

FINAL AMENDMENT 11

to the Atlantic Sea Scallop Fishery Management Plan (FMP)

Including a
Final Supplemental Environmental Impact Statement (FSEIS)
and
Initial Regulatory Flexibility Analysis (IRFA)

Prepared by the New England Fishery Management Council, in consultation with the National Marine Fisheries Service and the Mid-Atlantic Fishery Management Council

Council approval of DSEIS: April 11, 2007

Draft submission to NMFS: April 16, 2007

Council approval of SEIS: June 20, 2007

Final submission of FSEIS to NMFS: July 31, 2007

Re-submission of FSEIS to NMFS: September 24, 2007

Intentionally Blank

AMENDMENT 11 TO THE SEA SCALLOP FISHERY MANAGEMENT PLAN

Proposed Action: Implementation of measures to control capacity and mortality in the general category scallop fishery. The proposed action includes a limited entry program for the general category fishery. Each qualifying vessel will receive an individual allocation in pounds of scallop meat with a possession limit of 400 pounds. Qualifying vessels will receive a total allocation of 5% of the total projected scallop catch. There are various permit provisions proposed as well including some level of stacking allocations on a permanent or temporary basis, approval of a mechanism for voluntary sectors in the general category fishery, and other provisions. The proposed action also includes a separate limited entry program for general category fishing in the Northern Gulf of Maine. This permit has no landings qualification criteria, but a vessel had to have a permit before the November 1, 2004 control date and a hard total allowable catch will be set for the area. The proposed action also includes adjustments to limited access scallop fishing under general category rules. Another separate limited entry program for that activity is proposed with the same qualification criteria as the limited entry general category permit. Qualifying vessels will also receive an individual allocation in pounds, and the entire category will receive 0.5% of the total projected scallop catch. A separate limited entry incidental catch permit is proposed as well that will permit vessels to land and sell up to 40 pounds of scallop per trip while fishing for other species. General category permits will be issued in March rather than May to better integrate fishery data in the scallop management process, and other administrative provisions and adjustments are proposed as well.

Type of Statement: Final Supplemental Environmental Impact Statement

Responsible Agencies: New England Fishery Management Council
National Marine Fisheries Service

For Further Information: Paul Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, Massachusetts 01950
Phone: (978) 465-0492
Fax: (978) 465-3116

Abstract:

The New England Fishery Management Council and the NOAA Assistant Administrator for Fisheries propose to adjust measures to control capacity and mortality in the general category scallop fishery through Amendment 11 to the Scallop FMP, pursuant the Magnuson-Stevens Fishery Conservation and Management Act. This document includes a variety of measures to address the goals and objectives of the action. The Council has identified several measures as the proposed action.

The primary components include: a limited entry program for the general category fishery based on a 1,000 pound landings criteria during one fishing year between March 1, 2000-November 1, 2004; an overall allocation of 5% of the total projected annual scallop catch for the general category fishery; individual allocation of access for qualifying vessels in pounds with a maximum of 400 pounds per trip; several permit provision alternatives; a separate limited entry program for vessels to fish at a reduced level in the Northern Gulf of Maine under a hard total allowable catch; permit current limited access vessels to fish under general category but only those vessels that qualify under the same qualifying criteria and under a total allocation of 0.5% of the total projected annual scallop catch; a new limited entry incidental catch permit up to 40 pounds of scallop meat per trip.

This document includes all information and analyses required under the National Environmental Policy Act (NEPA), the M-S Act, the Regulatory Flexibility Act (RFA), and other applicable laws.

EXECUTIVE SUMMARY

This amendment document and final supplemental environmental impact statement (FSEIS) presents and evaluates management measures and alternatives to achieve specific goals and objectives for the Atlantic sea scallop fishery. This document was prepared by the New England Fishery Management Council and its Scallop Plan Development Team (PDT), in consultation with the National Marine Fisheries Service (NMFS, NOAA Fisheries) and the Mid-Atlantic Fishery Management Council (MAFMC). This amendment was developed in accordance with the Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA, M-S Act) and the National Environmental Policy Act (NEPA), the former being the primary domestic legislation governing fisheries management in the U.S. Exclusive Economic Zone (EEZ). This document also addresses the requirements of other applicable laws (See Section 7.0).

In addition to the no action alternative, the Council considered limited entry and hard-TAC alternatives to control capacity and mortality in the general category fishery. Within the limited entry alternatives there are numerous qualification alternatives for a limited access program, including different qualification time periods and past landings criteria. There are also various alternatives for how qualifying vessels would receive access to the scallop resource. Specifically, some alternatives are an individual allocation in pounds, or number of trips, and other alternatives consider a hard total allowable catch (hard-TAC) for qualified vessels.

The proposed action includes a limited entry program to control capacity and mortality in the general category fishery. The Council recommends that the 1,000 pound qualification criteria be used during the time period of March 1, 2000 through November 1, 2004. Furthermore, the proposed action includes individual allocation in pounds up to 400 pounds per trip for qualifying vessels. The proposed action also includes specific limited entry permit provisions such as no vessel upgrade restrictions, vessel replacement provisions, and several permit stacking provisions that include permanent and temporary stacking of allocation on one vessel up to 2% of the total general category scallop allocation. The proposed action also includes a mechanism to allow voluntary sectors in the general category fishery. In addition, there are interim measures proposed for the transition period to limited entry. Specifically, a quarterly hard-TAC equal to 10% of the total projected scallop catch for qualifying general category vessels and vessels under appeal.

The proposed action also includes measures that will affect existing limited access scallop vessels (full-time, part-time and occasional permits). The proposed action includes a provision that would prohibit all limited access vessels from fishing under general category unless they qualify under the same 1,000 pound landings criteria during the same qualification time period. Limited access vessels that do qualify would be allocated an individual amount of scallops up to a total of 0.5% of the total projected scallop catch for this component of the fishery. In addition, the proposed action recommends that the general category fishery be allocated 5% of the total projected scallop catch after the interim period. Furthermore, the document considered alternatives to change the scallop fishing year to allow better and more timely integration of recent data, but these alternatives were rejected and the proposed action includes issuing the general category permit in March rather than May to improve integration of fishery data. Lastly, the proposed action includes several other measures related to a current trawl gear restriction and a higher possession limit of scallops seaward of the VMS demarcation line to improve compliance with the possession limit restriction.

Summary of alternatives considered and the Council's rationale for the proposed action

- **Implementation of a limited entry program for the general category fishery. (Section 3.1.2)**

Only vessels that qualify for a limited entry general category permit would be permitted to land scallops under general category rules after this action is adopted. The current general category permits (1A-nonVMS and 1B-VMS permits) will be replaced with limited entry general category permits. The document also considered No Action as well as a fleet-wide annual TAC to control capacity and mortality in the general category fishery. The main rationale for the Council selecting limited entry as preferred is that limited entry is expected to have positive impacts overall on aspects of both the biological and economic environments. In addition, limited entry was the preferred strategy to control capacity and mortality in the general category fishery by both the Scallop Oversight Committee and advisory panels.

- **A vessel would qualify if it had a permit before the control date (November 1, 2004), landings of 1,000 pounds in any fishing year during March 1, 2000 through November 1, 2004. (Section 3.1.2.1 and 3.1.2.2)**

Based on available data, approximately 369 general category vessels would qualify under these qualification alternatives. The document also considered two other qualification time periods, and two other poundage criteria. The main rationale for identifying the 1,000 pound landing criteria is that it reflects a poundage level that is not too restrictive but demonstrates dependence on the scallop resource. This level of landings should allow for a diverse group of qualifiers, some that only scallop seasonally, some as a component of other catch, as well as more dependent vessels. The 2000-2004 time period was selected in response to public comment that the 1994-2004 alternative would permit too many vessels and would have negative impacts on vessels that are currently more dependent on the resource. Overall, the Council intent of the proposed action for qualification is to balance the number of vessels that qualify so that more than just directed general category vessels receive a limited access permit, but not too many vessels so that the TAC is divided among too many participants. In order to be consistent with the vision statement for this action, these preferred alternatives for qualification would ideally identify a number of diverse vessels that could participate in the general category fishery at different levels and provide flexibility for qualifying vessels.

- **Individual allocation would be based on a vessels best year indexed by number of years active in the fishery. (Section 3.1.2.3)**

Each qualifying vessel would receive a percent of the available TAC for general category. A vessels best year of landings during the qualification time period would be taken and that amount would then be multiplied by an index of years active in the scallop fishery. The Council identified Option B as preferred, an index of 25% to be used to scale a vessels contribution factor by the number of years that vessel has been active in the fishery. The main rationale for the preferred alternative is to provide some weight in allocation for vessels that have been participating in the general category fishery for a longer period of time.

- **Allocation of access for qualifying vessels would be an individual allocation in pounds, maintaining the 400 pound possession limit. (Section 3.1.2.4)**

All vessels that qualify for a limited entry general category permit would be allocated an individual amount of scallop in pounds (Option A) based on their historical contribution to the fishery. The allocation would be a percentage of the total general category allocation and based on an individual vessel's contribution to landings during the qualification time period. The document considered numerous other allocation alternatives including the same individual allocation alternative but in number of trips rather than pounds, other individual allocation alternatives with two permit types or equal allocations in three tiers, a stand alone individual transferable quota system, a stand-alone hard-TAC option, and several other hard-TAC alternatives combined with limited entry. The main rationale for the

preferred alternative is that individual allocation is the most fair strategy, and qualifying vessels would be allocated an amount that best reflects their contribution to general category landings. After the public comment period the Council changed their preferred alternative from allocation in trips to allocation in pounds based on concerns about allocating 400 pound trip increments. Members of the public raised concerns about safety and changes in fishing behavior as a result of allocating access in number of trips. At the final Council meeting it was discussed that the mandate to collect up to 3% of ex-vessel value of landed product to cover actual costs directly related to enforcement and management of an individual fishing quota program may outweigh the costs of allocation in trips. The Council approved the concept of including a cost recovery program with this individual fishing quota program, but the details of the program will have to be specified in a future action after cost estimates are available. Furthermore, related to the proposed action to allocate individual fishing quotas, the Council recommends that NMFS round individual allocations to the nearest ten pound unit if that would improve compliance and monitoring.

- **Allocation of 5% of the total annual projected scallop catch to the general category fishery (Section 3.1.7)**

Under the proposed action, a portion of the total projected annual scallop catch would be allocated to vessels with a general category permit. The document considered a range of 2.5 – 11% of the total projected annual scallop catch as well as no action for allocation. The Council identified 5% as the preferred allocation value, as was recommended by the Scallop Oversight Committee. The main rationale for identifying this alternative as preferred was that 5% reflects a percentage similar to the long-term average, but is higher to recognize more recent growth and participation in the general category fishery. Furthermore, in 2004, the fishing year the control date was implemented, the general category fishery was landings about 5% of total scallop landings. The Council believes it is a level of catch that would ideally provide enough landings to be spread among various general category vessels that participate in this fishery at a variety of levels without substantial impacts on the existing limited access fishery.

- **Specific permit provisions for limited entry general category permits (Section 3.1.2.5)**

This section includes several alternatives about specific permit provisions; most are consistent with the standardized permit provisions established by the Consistency Amendment (1999) and several alternatives consider provisions that are different. First, the alternative that would allow more than one permit to be issued from one hull number was identified as preferred (provided that all previous owners of that hull retained the general category history of the vessel when it was sold, and all owners had a general category permit and qualifying landings during the qualification time period). Second, the Council recommends that limited access general category vessels should be permitted to stack allocations on a permanent or temporary basis (up to 2% of total general category allocation on one vessel). Lastly, the Council selected a third permit provision alternative as preferred; a measure to prevent excess consolidation. An individual or corporation could not have ownership interest in more than 5% of the total general category allocation. The Council also recommends that NMFS consider a 90-day requirement for vessels to apply for a general category limited entry permit once Amendment 11 is effective, rather than the one-year time frame that is typically used. This shorter timeframe is suggested to reduce the transition time to limited entry.

In general, these alternatives were identified as preferred to respond to comments made during the scoping process for Amendment 11. If an individual can prove that he/she held their general category scallop history when a vessel was sold, it should be entitled to qualify for a limited entry permit. Furthermore, one way to minimize potential revenue loss for qualifying vessels and increase flexibility would be to enable a vessel to stack access on one vessel. Lastly, the Council supports some level of consolidation, but supports alternatives that prevent excess consolidation (2% max per vessel and 5% max per individual/corporation). The other permit provision alternatives that are part of the proposed action are no vessel upgrade restrictions, a vessel replacement provision, voluntary relinquishment of eligibility,

prohibition on permit splitting, permit renewal and confirmation of permit history provision, and allowing a limited entry general category vessel to have other limited entry permits.

- **Mechanism to allow voluntary sectors in the general category fishery (Section 3.1.2.7)**

The final proposed action includes a mechanism to allow voluntary sectors in the general category fishery. This action does not approve a specific sector, but if a group of general category vessels want to form a sector in the future this action would allow them to apply. The Council also recommends that there be a 20% maximum for allocation to a sector, and the 400 pound possession limit should be maintained for vessels in a sector. The main rationale for these recommendations for sectors is to allow greater opportunities for fishery participants to proactively engage in resource governance, to provide greater flexibility for participants, to guide the appropriate development of capacity, and, last, to create outcomes that are more socially and economically relevant for fishing groups within the biological limitations of the fishery (TACs). The 20% maximum was included to prevent one sector from controlling an excessive percentage of the general category allocation.

- **Interim measures for transition period to limited entry (Section 3.1.2.8)**

Since it is expected to take at least 12 months to implement a limited entry program the Council proposes that interim measures be considered for the transition period. The proposed measures include a quarterly hard-TAC equal to 10% of the total projected scallop catch for vessels that qualify for a general category permit and vessels under appeal. The hard-TAC alternative for the interim period that went out for public comment was an annual TAC. Based on comments related to derby fishing and safety concerns the Council decided to recommend a quarterly hard-TAC to reduce derby effects. The Council selected 10% because that is the value that has been used in recent projections for scallop mortality from the general category fishery and has not had substantial impacts on the limited access fleet. Furthermore, the Council selected a higher value than the long-term allocation of 5% to reduce short-term impacts on vessels that will ultimately qualify for limited entry from additional effort expected under the appeals process.

- **A separate Northern Gulf of Maine (NGOM) limited entry general category program would be adopted. Vessels could qualify for this permit if they had a general category permit at the time the control date was implemented (November 1, 2004). Access to fish in this area would be at a reduced level (200 pounds per trip) with specific gear restrictions and the entire fishery would be under a hard-TAC. The NGOM area would close to all scallop fishing after the TAC was reached. (Section 3.1.4)**

The Council considered several alternatives for management of the scallop resource in the Northern Gulf of Maine. There are several reasons why the Council decided that this area should be managed separately and a separate management system was supported by strong public input. First, most of the landings from the NGOM area designated by the Council were from Maine state waters so management in the EEZ component of the fishery needs to be as compatible with state management regulations as possible. Second, this fishery was traditionally fished, to a very large extent, by small boats that were engaged in other fisheries such as the lobster or groundfish fisheries during different seasons and that fish only seasonally for scallops. As a result, the Council considered local access to the scallop resource by small vessels important to the continuation of fishing communities in Maine New Hampshire and Massachusetts. Although, the Council decided that limited access was necessary to manage scallops in this area, it has developed rules that are more compatible with the needs of local fishermen. Also, the scallop resource increases sporadically with the result that scallops were not available in abundant quantities during the qualification time period. As a result, the Council decided that the limited access criteria to the NGOM should be based on whether or not a vessel had a permit on the control date (November 1, 2004) rather than on the amount of scallops a vessel had landed. Additionally, because vessels catch fewer scallops in the NGOM, the Council decided that a 200-pound trip limit would be more appropriate and reduce incentive to increase effort in that area. In order to control the amount of scallops landed from the area overall, a hard-TAC will be implemented for the federal portion of the NGOM.

Furthermore, it is not clear how the scallop resource in the Gulf of Maine interacts with the scallop resource to the south. It is much smaller in size and has not been included in the scallop surveys or stock assessments to date and therefore has never been a factor in setting target effort or removal rates under the Scallop FMP. Finally, boats from outside the GOM historically fished in this area only when scallops were depleted in other areas and abundant in the GOM. More recently, the improved management and abundance of scallops in the major resource areas on Georges Bank and in the Mid-Atlantic region has made access to GOM scallops less important for the limited access boats and general category boats from other regions. As a result, a separate management program from Scallop in the NGOM is unlikely to have any impact on these vessels.

The final proposed action is slightly different than the alternatives considered in the DSEIS, but it is a combination of the alternatives previously considered. The ultimate recommendation is intended to provide a separate limited entry program for this area with a reduced access level and no landings criteria. It was designed to meet the same needs of the original NGOM limited entry alternative, but address the specific concerns raised by the Regional Administrator about that alternative. Specifically, the proposed action is expected to address the issues raised related to conservation, administrative burden and enforceability of a separate limited entry program for the NGOM. The Council designed this alternative in an attempt to address these concerns and allow for a placeholder for future management of scallops in the NGOM if and when they return.

- **Monitoring**

The document included several alternatives for monitoring: No Action, reporting through vessel monitoring systems (VMS), or interactive voice reporting (IVR). While monitoring this fishery through VMS may be burdensome because of the relatively large number of permits and number of trips taken per year, the Council recommends that vessels be required to declare they are going on a general category trip and report scallop landings through VMS. This provision would improve monitoring of an individual quota program, especially if vessels are required to report hailweight before crossing the VMS demarcation line. Enforcement would then know approximately when, where and how much a vessel should have onboard. In addition, if vessels are required to report VTR number through VMS that would improve the ability for NMFS to link this data with other databases, enabling NMFS to monitor the TAC on a more real-time basis.

- **Limited access vessels would be prohibited from fishing under general category unless they qualify under the same qualification criteria selected for the limited entry general category permit. Catch from that component of the fishery would be limited to 0.5% of the total scallop TAC. Qualifying vessels would also receive an individual allocation of pounds based on their best year indexed by years active in the fishery. (Section 3.1.6)**

This section includes several alternatives for limited access privileges under general category. The Council identified one alternative as preferred: if a limited access vessels qualifies for a general category permit under the same qualification criteria selected for the limited entry general category program then that vessel would be permitted to fish under general category outside a scallop DAS/access area trip. All vessels that qualify would be allocated access to the scallop resource in the same method as general category vessels. Each vessel would receive an individual share based on their historical contribution to general category landings up to a total of 0.5% of the total projected annual scallop catch for the entire component of the fishery. All limited access vessels that do not qualify to fish under general category would no longer be permitted to fish under general category rules. The main rationale for this preferred alternative is that limited access vessels that have general category landings and qualify under the same criteria should be permitted to fish under general category. Some limited access vessels depend on this privilege as a component of overall revenue. The Council identified 0.5% as the maximum projected annual scallop catch that should be allocated to this component of the overall scallop fishery because that

value is close to what historical landings have been in recent years and does not represent a large amount of the total catch. Furthermore, an allocation of 0.5% to these vessels is not projected to have substantial impacts on other limited access and general category vessels.

- **Change issuance date of general category permit**

The Council recommends that the issuance date of general category permits be changed from May 1 to March 1 to be consistent with the scallop fishing year. This alternative was selected to improve integration of scallop fishery data and to make this permit consistent with the limited access scallop permit issuance date. The document also considered other alternatives to better integrate recent data in a more timely way, namely changing the scallop fishing year, but those measures were not adopted. During the public comment period the industry provided reasons why not changing the fishing year outweighed the benefits of improving the timing and integration of survey and fishery data.

The list of reasons given include: 1) there is always a boom in fishing effort when a fishing year begins and that should be when yield is high. In the case of scallops, yield is highest in late spring so a March 1 start date is somewhat favorable to reduce mortality; 2) spring and summer are good weather months so more effort during that time of year is beneficial for safety; 3) scallop yield falls off in the fall when scallops spawn, so an August 1 start date would increase mortality; 4) the processing industry has developed over the last decade based on a March 1 start date, and there would be inventory management issues if the year changed. For example, since most scallops are caught in the spring and summer some are frozen and sold off during the winter when supply is lower. It is true business models could be changed if the fishing year changes, but that would come at a cost to the industry; 6) the market is better in spring and summer when demand for fresh scallops is higher, so it makes sense to keep the start of fishing year when demand is highest; 7) since the entire scallop survey program is in flux and we are not sure what vessel or vessels are going to be used, when the survey is going to take place, and how the scallop resource is going to be assessed in the future why change the fishing year now when everything could be different next year; 8) survey technology is improving and information is becoming available much sooner; and 9) from a port and fishing pier perspective it helps that the scallop and groundfish fishing years are staggered. Vessels are usually worked on right before the opening of a fishing year, so the scallop vessels are worked on first, and then the groundfish vessels. In a port like New Bedford, it would be very difficult for all the vessels to get worked on at the same time if the fishing years were both May 1.

- **Other measures**

The Council proposes two actions under other measures. First, the proposed action includes a clarification of the 144 ft. net sweep restriction. During scoping for Amendment 11 it was discussed that the net sweep restriction should not apply for vessels not targeting scallops. The proposed action would clarify that vessels that are not directing on scallops (fishing under a multispecies or monkfish DAS) should not be restricted to the 144ft. net sweep restriction. Second, during scoping it was discussed that it takes more than 50 bu. to cut out 400 lb. of scallops, so the possession limit should be increased for vessels while fishing so that they are not in violation of the 50 bu. possession limit while shucking scallops. The proposed action would allow a general category vessel to be in possession of up to 100 bushels seaward of the demarcation line only. Once shoreward of the line a vessel can only be in possession of 50 bushels.

Table 1 is a summary of all the alternatives in Amendment 11; the proposed action is shaded.

Table 1 – Summary of alternatives for Amendment 11 (proposed action is shaded)

SECTION	ALTERNATIVE NAME	DESCRIPTION OF ALTERNATIVE
3.1	MEASURES TO CONTROL CAPACITY AND MORTALITY IN THE GENERAL CATEGORY FISHERY	
3.1.1	No Action	
3.1.2	Limited Entry	
3.1.2.1	Qualification criteria alternatives	
3.1.2.1.1	Permit before control date and 100 pound trip	In order to qualify must have permit before control date and at least one trip of 100 lbs or more during qualification time period
3.1.2.1.2	Permit before control date and 1,000 annual pounds	In order to qualify must have permit before control date and at least 1,000 pounds of scallops in one year during the qualification time period
3.1.2.1.3	Permit before control date and 5,000 annual pounds	In order to qualify must have permit before control date and at least 5,000 pounds of scallops in one year during the qualification time period
3.1.2.2	Qualification time period alternatives	
3.1.2.2.1	March 1, 2003-November 1, 2004	Qualification would have to be during these five fishing years, note last fishing year only eight months long (Mar.1,04 - Nov.1,04)
3.1.2.2.2	March 1, 2000-November 1, 2004	Qualification would have to be during these two fishing years, note last fishing year only eight months long (Mar.1,04 - Nov.1,04)
3.1.2.2.3	March 1, 1994-November 1, 2004	Qualification would have to be during these eleven fishing years, note last fishing year only eight months long (Mar.1 94 - Nov.1 04)
3.1.2.3	Determination of qualification amount	
3.1.2.3.1	Best year	A vessels best year would be taken from the qualification time period selected as their contribution to the general category fishery. That value would then be scaled based on projected TAC and percent given to the general category fishery.
3.1.2.3.2	Best year indexed by number of years active in the scallop fishery	A vessels best year would be taken from the qualification time period selected as their contribution to the general category fishery. That amount would then be multiplied by an index of years active in the scallop fishery. Option A is a range of index values from 0.9 to 1.1 for one to >5 years respectively. Option B is 0.75 to 1.25 for one to >5 years respectively (preferred). The final value would then be scaled based on projected TAC and percent given to the general category fishery.
3.1.2.3.3	Cap of 50,000 pounds for a vessels individual contribution factor	The contribution factor calculated by any of the methods above (3.1.2.3.1 – 3.1.2.3.5) could not exceed 50,000 pounds per vessel.
3.1.2.4	Allocation of access for qualifiers	
3.1.2.4.1	Individual allocation	Every vessel that qualifies would be allocated an individual amount of quota in pounds (Option A) or number of trips (Option B). Option A is preferred . Once their allocation is caught they can't land scallops under general category permit. Would be subject to cost recovery requirements.
3.1.2.4.1.1	Modify the 400 pounds possession limit to 2,000 pounds per trip only with individual allocation alternative	A vessel that qualifies for a limited entry permit would be permitted to land up to 2,000 pounds of scallop meat per trip regardless of the length of a trip.
3.1.2.4.2	Individual allocation with two permit types	Every vessel that qualifies would be allocated an individual amount of quota in pounds (Option A) or number of trips (Option B) but there would be two permit types. Part time permit restricted to 200 pounds per trip and Full time permit restricted to 400 pounds per trip. Once

		their allocation is caught they can't land scallops under general category permit.
3.1.2.4.3	Individual allocation with three tiers	Every vessel that qualifies would fall into one of three tiers based on annual landings. Each vessel within a tier would get an equal allocation. Allocation of quota would be in pounds (Option A) or number of trips (Option B). Once their allocation is caught they can't land scallops under general category permit.
3.1.2.4.4	Stand alone ITQ alternative	This alternative would qualify all vessels that had a permit in any year from 2000 through the control date. However, only vessels with landings would be allocated access to the fishery. Vessels would be able to lease/buy quota from other qualifiers up to 1-5% of total general category quota.
3.1.2.4.5	Stand alone quarterly hard TAC alternative with limited entry	This alternative would include a limited entry program for vessels with a permit before the control date and some level of landings. A vessel would qualify for a 200 pound permit if they landed 1-5,000 pounds in any FY from March 1, 1994 – Nov 1, 2004. A vessel would qualify for a 400 pound permit if they landed over 5,000 pounds in any one FY from 1994-2004. Qualifying vessels could possess up to 400 pounds per trip and fish under a quarterly hard TAC.
3.1.2.4.6	Fleetwide Hard TAC with limited entry	A vessel would have to qualify for a limited access general category permit. All vessels that qualify would be allocated a fleetwide hard TAC. When the TAC is projected to be caught vessels would not be permitted to land scallops outside of incidental catch rules.
3.1.2.4.7	Fleetwide Hard TAC by quarter or trimester with limited entry	A quarterly (Option A) or trimester (Option B) TAC would be set using data from FY2000-FY2005 to identify the appropriate percentage that should be allocated for each quarter. Only vessels that qualify for a limited access general category permit would be permitted to fish for scallops up to 400 pounds per trip.
3.1.2.5	Limited Entry Permit Provisions – these alternatives only relative if limited entry adopted in this action	
3.1.2.5.1	Fishing history and permit transfers	
3.1.2.5.1.1	No Action (One vessel can only qualify one permit)	Fishing history for an open access permit remains with the vessel. Even if the purchase and sales agreement specifies that the general category history remains with the seller, NMFS does not recognize history for an open access permit and the buyer would be the only person eligible for qualification.
3.1.2.5.1.2	One vessel potentially qualifying more than one permit	If a vessel owner sells his permits to another vessel, but retains the general category scallop history on the purchase and sales agreement, the seller should be able to qualify for a permit. The buyer cannot qualify under that history; however, if the buyer qualifies under its own landings after the sale, but during the qualification period, the buyer could be granted a permit as well.
3.1.2.5.2	Vessel upgrades	
3.1.2.5.2.1	No upgrade restriction	A vessel that qualifies can replace their vessel, or refit it without any restrictions.
3.1.2.5.2.2	10:10:20 upgrade restriction	A vessel may be upgraded, but HP can only increase 20% once, length, GRT and NT can only increase 10% once.
3.1.2.5.2.2.1	Vessel baselines	If an upgrade restriction is adopted, establishing a baseline is necessary. A vessels baseline would be the specifications when a vessel qualifies for a limited access permit.
3.1.2.5.3	Vessel replacements	A qualifying vessel would be permitted to replace that vessel in the future, but the same entity must own the vessel that is being replaced and the replacement vessel.
3.1.2.5.4	Permit stacking	
3.1.2.5.4.1	No Action	No permit stacking
3.1.2.5.4.2	Allow stacking up to two permits	A vessel that qualifies for more than one limited access permit, or leases/purchases additional

		quota (if permitted) would be allowed to stack their allocation onto one vessel-limited to two permits.
3.1.2.5.4.3	Allow stacking up to 60,000 pounds or 150 trips	A vessel that qualifies could stack up to 60,000 pounds or 150 trips onto one vessel.
3.1.2.5.4.4	Allow stacking up to 2% of general category allocation per vessel	A vessel that qualifies could stack up to 2% of the total general category allocation on one vessel.
3.1.2.5.5	Voluntary Relinquishment of Eligibility	A vessel that qualifies can voluntarily exit the fishery. If relinquished, no limited access permit can be reissued to another vessel.
3.1.2.5.6	Permit splitting	If limited entry is approved in this action, that permit would have to be sold as a package, like all other limited access permits.
3.1.2.5.7	Permit renewals and CPH	A vessel owner must maintain the limited access permit status by renewing permits on an annual basis or applying for issuance of a CPH.
3.1.2.5.8	Percentage ownership restriction	
3.1.2.5.8.1	Maximum of 1-5% of total general category allocation	An individual or corporation would be restricted to having more than 1-5% ownership interest of the total general category allocation (5% ownership restriction is preferred). If an individual owns more than the maximum when the plan is implemented, they would be grandfathered in.
3.1.2.5.9	Multispecies permit restrictions would not apply for limited entry general category qualifiers	In terms of not being permitted to have a limited entry scallop permit on a limited entry multispecies vessel, if limited entry is adopted for the general category fishery this alternative clarifies that one vessel would be permitted to have both a limited entry multispecies permit and a limited entry general category permit
3.1.2.6	Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear	
3.1.2.6.1	No Action	If a vessel qualifies for a permit using a trawl they would be permitted to land scallops up to 400 pounds per trip
3.1.2.6.2	Prohibit a vessel from switching to trawl gear if it qualified under dredge gear	If a vessel qualifies using dredge gear at all during qualification they would get a dredge only permit, it would not be permitted to switch to trawl gear to fish for scallops under general category.
3.1.2.6.3	Lower possession limit for vessels that qualify for a limited entry general category permit and fish with trawl gear	Two alternatives under considerations (300 pounds and 250 pounds)
3.1.2.6.4	If a vessel is fishing with a net and has a general category scallop permit, scallops can only be up to 5% of total regulated species onboard (maintaining the 400 pound possession limit)	This alternative would allow vessels to land up to 400 pounds of scallops with a net, but scallops can only be up to 5% of total product onboard. This would reduce incentive to fish for scallops with a net since a vessel would have to have 95% of another species onboard.
3.1.2.7	Sectors and Harvesting Cooperatives	Consider a process for creation of voluntary sectors in the general category fishery.
3.1.2.7.1	No Action	Sectors would not be permitted in the general category scallop fishery
3.1.2.7.2	Allow a mechanism for sectors	A group of permit owners could form voluntary sectors and apply to the Council and NMFS for approval. Sector participants would be restricted to the 400 pounds possession limit. The Council added that the possession limit for sectors could be revised in a future framework.
3.1.2.7.2.9.1	20% maximum allocation per sector	One sector could not be allocated more than 20% of the total general category allocation. The maximum percent value could be changed in a future framework, perhaps after the Council considers an overall sector policy.

3.1.2.8	Interim measures for transition period to limited entry	
3.1.2.8.1	Transition to limited entry with hard-TAC	General category qualifiers (and vessels under appeal) will be limited to a 10% of total projected annual scallop catch. Option A is preferred – quarterly hard-TAC.
3.1.2.8.2	Transition to limited entry without hard-TAC	General category qualifiers (and vessels under appeal) will be permitted to fish under current restrictions – not hard TAC for the component of the fishery overall
3.1.3	Hard TAC	
3.1.3.1	Fleet-wide Hard TAC	A hard TAC would be defined for the entire general category fishery and when that amount was projected to be caught the fishery would close.
3.1.4	Establish a NGOM Scallop Management Area	
3.1.4.1	No Action	No additional measures would be considered for the NGOM
3.1.4.2	Amendment 11 would not apply to waters in the NGOM	If this alternative is selected by the Council then any measures adopted in Amendment 11 pertaining to controlling capacity and mortality in the general category fishery would not apply to waters in either Option A (the GOM exemption area north of 42°20N) or Option B (EEZ north of 43N). The open access 1B permit to fish for scallops under general category would remain for this area, and a vessel could possess up to 400 pounds until a hard TAC is reached. Once the hard TAC is reached all vessels only permitted to possess up to 40 pounds
3.1.4.3	Establish a limited entry program for the NGOM	This alternative would develop a separate limited entry general category program in either Option A (the GOM exemption area north of 42°20N) or Option B (EEZ north of 43N). The area would have a separate hard TAC. Separate qualification criteria are being considered as well as different trip and gear restrictions from the general category limited entry program.
3.1.4.4	Establish a limited entry program for the NGOM without landings criteria	This alternative would develop a separate limited entry general category program in the GOM exemption area north of 42°20N. The area would have a separate hard TAC. A vessel would have to have a permit at the time of the control date to qualify. A lower possession limit of 200 pounds is recommended as well as specific gear restrictions.
3.1.5	Monitoring provisions	
3.1.5.1	No Action	Vessels would be required to report landings through VTR.
3.1.5.2	Require landings and declaration of scallop trip through VMS	Require vessels to declare they are going on a general category trip and report scallop landings through VMS.
3.1.5.3	Require vessels to report landings through IVR	Vessels would be required to report landings weekly through IVR in addition to VTR
3.1.6	Limited access fishing under general category rules	
3.1.6.1	Permit or prohibit limited access fishing under general category rules	
3.1.6.1.1	Permit limited access vessels that qualify	Any full-time, part-time, or occasional vessel that qualifies to fish under the same criteria selected for the general category fishery would receive a permit to land scallops under general category while not on a scallop DAS.
3.1.6.1.2	Permit occasional or part-time limited access vessels that qualify	Same as above but full-time permits would not be considered.
3.1.6.1.3	Prohibit all limited access vessels from fishing under general category rules	All limited access permits would be prohibited from landings scallops under general category rules.
3.1.6.2	Allocation of quota to limited access vessels under general category rules	
3.1.6.2.1	Landings deducted from general category TAC	The landings from limited access qualifiers under general category would be deducted as part of the general category TAC
3.1.6.2.2	Landings deducted from separate	The landings from limited access qualifiers under general category would be deducted from a

	allocation – 0.5% of total projected annual scallop catch	separate TAC just for limited access fishing under general category rules- 0.5%.
3.1.7	Allocation between limited access and general category fisheries	
3.1.7.1	No Action	A specific allocation would not be implemented.
3.1.7.2	Allocation for general category fishery of 2.5-11% of projected TAC	The general category fishery would be implemented a specific percent of the total scallop catch. It is understood that the amount will change based on estimated yield, but the percent would remain the same. The range being considered in 2.5 to 11% of the total. Preferred allocation value is 5.0%.
3.1.7.3	Allocation of yellowtail flounder bycatch TAC in access areas	
3.1.7.3.1	No Action	The yellowtail flounder bycatch TAC is for both components of the scallop fishery. When the TAC is projected to be caught, the area closes to both fisheries.
3.1.7.3.2	Allocate a proportional allocation of the 10% to the general category fishery	Currently the 10% YT bycatch TAC is for both fisheries combined. This alternative would allocate the same percent of the YT bycatch TAC as the Council selects for the scallop catch (2.5-11%).
3.1.8	Incidental Catch	
3.1.8.1	No Action	No change to incidental rules, 40 lb. possession limit not for resale. No permit needed – any vessel in the region is permitted to possess/land (but not sell) up to 40 lb.
3.1.8.2	New Incidental Catch Permit	A vessel that qualifies under the general category qualification time period alternative selected but not the landings criteria would qualify for this permit and could possess and sell up to 40 lb. of scallop meat per trip. A vessel that qualifies for a limited entry general category permit could opt for this permit instead. If this alternative is selected the current privilege for any vessel to possess (for personal use – cannot be sold) up to 40 lb. scallop meat would be eliminated.
3.2	MEASURES TO ALLOW BETTER AND MORE TIMELY INTEGRATION OF RECENT DATA	
3.2.1	No Action	No additional measures to allow better and more timely integration of recent data
3.2.1.1	Change issuance date of permit	Change the issuance date of general category permit from May 1 to March 1
3.2.2	Change start of FY to May 1	Change scallop fishing year for general category and limited access from March 1 to May 1
3.2.3	Change start of FY to August 1	Change scallop fishing year for general category and limited access from March 1 to August 1
3.3	OTHER MEASURES	
3.3.1.1	No action	Current trawl sweep restriction would apply
3.3.1.2	Clarification of trawl gear restriction	This alternative would clarify that the 144 ft. net sweep restriction is intended for vessels in the scallop fishery only, and does not apply to vessels participating on other trawl fisheries that catch scallops as bycatch. Specifically, if a vessel is fishing under a multispecies or monkfish DAS, and have a general category 1B permit, or a limited entry general category permit if one is adopted in this action, would be permitted to possess up to 400 pounds of scallops and would not be restricted by the 144 net sweep restriction.
3.3.2.1	No Action	Current possession limit would apply in all areas
3.3.2.2	Possession limit of 50 bu. Shoreward of the VMS demarcation line and up to 100 bushels east of the line	This modification would allow a general category vessel to be in possession of up to 100 bushels east of the demarcation line only. Once shoreward of the line a vessel can only be in possession of 50 bushels.

Summary of Impact Analysis

Analyses of the proposed action as well as all management alternatives considered during the development of this amendment are provided in this document across a series of valued ecosystem components, or VECs. VECs represent the resources, areas, and human communities that may be affected by a proposed management action or alternatives, and by other actions that have occurred or will occur outside the Proposed Action. VECs are the focus of an EIS since they are the “place” where the impacts of management actions are exhibited. An analysis of impacts is performed on each VEC to assess whether the direct/indirect effects of an alternative adds to or subtracts from the effects that are already affecting the VEC from past, present and future actions outside the Proposed Action (i.e., cumulative effects). The VECs identified for Amendment 11 include: Atlantic sea scallop resource, physical environment and EFH, protected species, fishery-related businesses and communities, and other impacts. Please refer to Table 205 for a summary of cumulative impacts of the alternatives on each of the identified VECs.

The descriptive and analytic components of this document are constructed in a consistent manner. The Affected Environment section of this document traces the history of each VEC and consequently addresses the impacts of past actions. The Affected Environment section (Section 4.0) is designed to enhance the readers’ understanding of the historical, current, and near-future conditions (baselines and trends) in order to fully understand the anticipated environmental impacts of the management alternatives under consideration in this amendment.

Impacts on Atlantic Sea Scallop Resource (Section 5.1)

Overall the impact of No Action is negative for the scallop resource. Open access may increase the risk that estimates could be inaccurate and fishing mortality exceeded. The No Action would not help reduce fishing pressure in near shore waters which are below average in terms of abundance. Since the No Action does not address potential growth of the general category fishery there is a greater chance that overfishing could result if projections do not accurately predict mortality from the general category sector. Limited entry is expected to have positive impacts on the scallop resource. While the specific qualification alternatives have neutral impacts in terms of cumulative effects, overall limiting the number of vessels that can harvest scallop under general category helps prevent overfishing. In general, how access is allocated has neutral impacts, but the hard TAC options may have negative impacts on the scallop resource depending on how it is implemented and how vessels respond to a hard TAC. In general, the other alternatives under limited entry such as permit provisions, fishing with trawl gear and sectors have neutral or potentially positive effects.

In terms of limited access fishing under general category the impacts on the scallop resource are neutral. Allocating a portion of the total scallop TAC to the general category fishery would help prevent the fishery from exceeding fishing mortality rates, but there are some concerns with near shore areas and vessel behavior in terms of scallop mortality. The cumulative impacts of the NGOM alternatives are neutral provided the TAC is set at an appropriate level to prevent overfishing. Lastly, positive cumulative impacts are expected from the measures to improve integration of scallop data so that management measures can be developed using the most recent data available.

The specific impacts on the scallop resource from each of the proposed measures are described within Section 5.1. Overall the cumulative effects on the scallop resource as a result of the proposed action are neutral to positive.

Impacts on Physical Environment / Essential Fish Habitat (Section 5.2)

In general, most alternatives in the proposed action have neutral to slightly positive cumulative impacts on EFH when compared to the No Action. Similar to the scallop resource, negative cumulative impacts

are expected under No Action and positive impacts under limited entry. Limited entry will have long-term positive impacts on EFH by reducing the number of potential participants and controlling effort as compared to the No Action open access fishery. The specific qualification alternatives and permit provisions do not have expected impacts on EFH. Permitting the formation of sectors may have positive impacts on EFH if vessels can fish more efficiently and reduce bottom contact time. Positive impacts may result from the additional monitoring requirements with better information about the general category fishery. Overall, because the general category fishery is allocated a portion of the scallop TAC there could be positive impacts on EFH because the potential expansion of general category effort would be limited.

The specific impacts on EFH from each of the proposed measures are described within Section 5.2. Overall the cumulative effects on EFH are neutral to positive with some negative cumulative impacts from non-fishing activities.

Impacts on Protected Resources (Section 5.3)

In general, most alternatives under consideration have neutral cumulative impacts on protected resources when compared to the No Action. Similar to the scallop resource, negative cumulative impacts are expected under No Action and positive impacts under limited entry. The specific qualification alternatives and permit provisions do not have expected impacts on protected resources. Permitting the formation of sectors may have potential positive impacts on protected resources if vessels can fish more efficiently and reduce bottom contact time. Potentially negative impacts could occur if a change in the fishing year results in an increase in effort or derby effects that overlap with periods when turtles are most abundant. And if additional monitoring requirements are selected potential positive impacts on protected resources may result with better information about the general category fishery. Overall if the general category fishery is allocated a portion of the scallop TAC there could be potential positive impacts on protected resources because the potential expansion of general category effort would be limited, thus potential impacts to protected resources reduced.

The specific impacts on protected resources from each of the proposed measures are described within Section 5.3. Overall the cumulative effects on protected resource are neutral to potentially positive.

Impacts on Fishery Related Businesses and Communities (Sections 5.4, 5.5 and 5.6.3)

The direct and indirect impacts of the alternatives included in Amendment 11 on fishery related businesses and communities were analyzed in Section 5.4 (Economic Impacts) and Section 5.5 (Social Impacts) of this document. The cumulative impacts of the limited access, TAC, and other alternatives included in Amendment 11 are summarized in Table 205. Overall, these impacts are expected to be positive on fishery related businesses and communities.

Past and present actions had positive cumulative impacts on the communities by increasing the scallop landings and revenues for both limited access and general category vessels, and by giving relatively smaller general category vessels an option to fish on a rebuild resource. The proposed action will continue providing this opportunity to a subset of vessels that had a general category permit and participated in the general category fishery in at least one fishing year between March 1, 2000 and November 1, 2004. Although the limited entry alternatives will have negative distributional impacts on the groups of general category vessels excluded from limited access, the overall cumulative impacts of the proposed action are expected to be positive compared to taking no action. The proposed action is also expected have positive economic impacts on the limited access vessels by preventing fishing mortality to exceed sustainable levels due to an uncontrolled expansion of general category fishery. Since with no action there are no limits on the number of trips a general category vessel could take and no limits on the number of vessels able to participate in the general category fishery, total fishing effort in this fishery could increase in response to higher scallop prices, to an increase in resource productivity, or to changes in fishing

opportunities in other fisheries. As a result, scallop mortality could exceed sustainable levels, reducing the stock biomass, the future yield, scallop revenues and income for the participants of both the limited access and general category scallop fisheries. Limited access, by itself, will not entirely eliminate these possible effects, but it will reduce the risks of overfishing of the scallop resource by preventing new entry to the general category fishery and by restricting the number of participants in this fishery to vessels that meet the poundage qualification criteria within a qualification time period. It will also prevent the profits of the qualifiers and limited access vessels from dissipating due to an increase in capacity.

Amendment 11 also includes alternatives that would control scallop fishing mortality in the general category fishery by allocating a separate TAC for this sector. In general, the cumulative impacts of the TAC alternatives are expected to be positive on fishery related businesses and communities compared to taking no action for the following reasons:

- Even with limited access and in the absence of measures that control overall scallop landings by general category vessels, it is possible for the fishing mortality to increase beyond the target levels if the qualified vessels increase the number of trips targeting scallops. This could have negative impacts on both the limited access and the general category vessels as scallop catch per day-at-sea declines and fishing costs per pound of scallops increase.
- Since any increase in overfishing of the scallop resource will need to be corrected through framework action according to the Sea Scallop FMP, the Council could reduce the DAS allocations for limited access vessels, negatively impacting these vessels and their communities. The Council could also reduce the possession limit for all general category vessels, affecting negatively most of the general category vessels that participate in the fishery and depend on scallops as a significant source of income.

If the general category fishery is managed by hard TAC, however, without limited access and/or without allocation of quota to individual vessels (either an individual quota or allocations to tiers), it could lead to a race to fish and market gluts, which could have negative economic impacts especially on smaller vessels that fish seasonally and cannot access all areas due to the constraints on their capacity. Fleet-wide hard TAC by trimester or by quarter will spread out the fishing season and reduce negative impacts from derby fishing and market gluts to some extent. TAC management combined with limited entry and allocation for vessels (in terms of IQ in pounds or trips, in terms of individual allocation or equal allocation for tiers) will prevent derby-style fishing and the negative impacts associated with it.

The impacts of the other alternatives regarding permit and monitoring provisions, NGOM area management alternatives, limited access fishing under general category rules, allocation between general category and limited access vessels, incidental catch, more timely integration of data and other measures were analyzed in Section 5.4 (Economic Impacts) and Section 5.5 (Social Impacts) and summarized in Table 5. Since the overall impacts of these alternatives are, in general, expected to be positive for the participants in the sea scallop fishery (for the reasons provided in Section 5.4 and 5.5), the cumulative impacts of the Amendment 11 alternatives including the past actions are also expected to be positive compared to taking no action.

In terms of enforceability, all the measures under consideration are enforceable according to the NMFS Office of Law Enforcement. There are several alternatives that may be more enforceable than others, but there are no cumulative effects of this action on enforcement. Several specific comments from an enforcement perspective have been included in Table 205 when applicable.

The specific impacts on the fishery related businesses and communities of the proposed measures are described within Sections 5.4 (Economic Impacts), 5.5 (Social Impacts) and 5.6.3 (Enforcement Impacts). Overall the cumulative effects on the fishery related businesses and communities are neutral/uncertain to positive.

Impacts on Other Fisheries (Section 5.6.1)

In general, most alternatives under consideration have neutral cumulative impacts on other fisheries when compared to the No Action. Some of the hard- TAC alternatives have potential negative impacts on other fisheries because if a hard TAC leads to vessels changing behavior impacts could increase. Specifically, if vessels end up fishing for scallops on a more direct basis until the TAC is caught and then fish for other species, then effort could shift into other fisheries after the general category TAC is caught.

The specific impacts on other fisheries from each of the proposed measures are described within Section 5.6.1. Overall the cumulative effects on other fisheries are neutral.

Cumulative Effects (Section 5.7)

A summary of the cumulative effects of past, present and reasonably foreseeable actions on all the VECs in this document are assessed in Section 5.6. In addition the direct and indirect effects on each VEC from the proposed action and other alternatives considered are summarized in Table 205. These impacts are combined with the impacts of non-fishing activities to illustrate the cumulative effects of the proposed action under Amendment 11. Overall, the cumulative effects of the proposed action are neutral to low positive on all the VECs considered.

This DSEIS for Amendment 11 was available for 45 days for public comment. The Council had six public hearings on this action in May 2007 (see Appendix III for the public hearing meeting summaries). The DSEIS was available for written comments on April 18, 2007 until June 11, 2007. The written comments on the DSEIS are included in Appendix II and the written comments received during the scoping period are included in Appendix I.

LIST OF ACRONYMS

A10 – Amendment 10 to the Atlantic Sea Scallop Fishery Management Plan
A13 – Amendment 13 to the Northeast Multispecies Fishery Management Plan
BMSY – Biomass Maximum Sustainable Yield
BO – Biological opinion
CEQ – Council on Environmental Quality
CAI – Closed Area I
CAII – Closed Area II
CV – Coefficient of variation, a standard statistical measure of variation, expressed as a percentage of the mean. Lower CVs indicate more accuracy in the estimates and less variation in data.
CWA – Cape Wind Associates
DAS – Day-at-sea
DSEIS – Draft Supplemental Environmental Impact Statement
EA – Environmental Assessment
ESA – Endangered Species Act
EFH – Essential Fish Habitat
EFH designation life stages
 A – Adult life stage
 J – Juvenile life stage
 E – Egg life stage
FMP – Fishery Management Plan
FR – Federal Register
FSEIS – Final supplemental environmental impact statement
FW18 – Framework Adjustment 18 to the Atlantic Sea Scallop Fishery Management Plan
GB – Georges Bank
GC – General Category
GOM – Gulf of Maine
HAPC – Habitat Area of Particular Concern
LPUE – Landings per unit effort, usually a DAS in this document
IRFA – Initial Regulatory Flexibility Analysis
IVR – Interactive Voice Reporting
LA – Limited access
LIPA – Long Island Power Authority
LNG = Liquefied Natural Gas
MA – Mid-Atlantic
MAFMC – Mid-Atlantic Fishery Management Council
M-S Act – Magnuson Stevens Act
NEFMC – New England Fishery Management Council
NEFSC – Northeast Fisheries Science Center
NEPA – National Environmental Policy Act
NLSA – Nantucket Lightship Area
NMFS – National Marine Fisheries Service
NOAA – National Oceanographic Atmospheric Administration
RIR – Regulatory Impact Review

SAP – Special access program
SARC – Stock Assessment Review Committee
SAW – Stock assessment workshop
SBNMS – Stellwagen Bank Marine Sanctuary
SEIS – Supplemental Environmental Impact Statement
SMASST – School of Marine Science and Technology, University of Massachusetts Dartmouth
SNE – Southern New England
TAC – Total Allowable Catch. This includes discards for finfish species, but not for scallops which have a much lower discard mortality rate.
PDT – Scallop Plan Development Team
U10 – A classification for large scallops, less than 10 meats per pound.
USGS – United States Geological Survey
VEC – Valued Ecosystem Component
VIMS – Virginia Institute of Marine Science
VMS – Vessel Monitoring System
VTR – Vessel Trip Reports
YT – Yellowtail flounder

TABLE OF CONTENTS

1.0 Background and purpose..... 1

 1.1 Summary of past management actions 1

 1.2 Purpose and need 7

 1.3 Vision of general category fishery 7

 1.4 Notice of intent and scoping 8

2.0 Goals and objectives 8

 2.1 Objectives of Amendment 11 9

3.0 Management alternatives under consideration..... 10

 3.1 Measures to control capacity and mortality in the general category scallop fishery (Goal #1)..... 10

 3.1.1 No Action..... 10

 3.1.2 Limited Entry (Objective #2 and #3) (*Proposed Action*)..... 10

 3.1.2.1 Qualification criteria alternatives..... 13

 3.1.2.2 Qualification time period alternatives..... 14

 3.1.2.3 Determination of qualification amount (contribution factor) 15

 3.1.2.4 Allocation of access for general category limited access qualifiers 17

 3.1.2.5 Limited entry permit provisions..... 23

 3.1.2.6 Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear 31

 3.1.2.7 Sectors and Harvesting Cooperatives 33

 3.1.2.8 Interim measures for transition period to limited entry 38

 3.1.3 Hard Total Allowable Catch (Hard TAC) 40

 3.1.4 Establish a Northern Gulf of Maine Scallop Management Area (NGOM) 41

 3.1.4.1 No Action..... 41

 3.1.4.2 Amendment 11 would not apply to the Northern Gulf of Maine 41

 3.1.4.3 Establish a Northern Gulf of Maine Management Area Limited Entry Program 42

 3.1.4.4 Establish a Northern Gulf of Maine Management Area Limited Entry Program without landings criteria (*proposed action*)..... 43

 3.1.5 Monitoring Provisions 47

 3.1.5.1 No Action..... 47

 3.1.5.2 Require landings and declaration of scallop trip through VMS (*proposed action*) 47

 3.1.5.3 Require landings and declaration of scallop trip through IVR system 47

 3.1.6 Limited access fishing under general category rules 47

 3.1.6.1 Permit or prohibit limited access vessels from fishing under general category 47

 3.1.6.2 Allocation of quota to limited access vessels under general category 48

 3.1.7 Allocation between limited access and general category fisheries (Objective #1)49

 3.1.7.1 No Action..... 50

 3.1.7.2 Allocation for general category vessels (*proposed action*)..... 50

 3.1.7.3 Allocation of yellowtail flounder bycatch TAC in access areas..... 51

 3.1.8 Incidental Catch (Objective #4) 52

 3.1.8.1 No Action..... 52

 3.1.8.2 Establish a new permit category for incidental catch (*proposed action*)..... 52

3.2	Measures to allow better and more timely integration of recent data (Goal #2, Objective #5).....	53
3.2.1	No Action.....	53
3.2.2	Change the issuance date of general category permits from May 1 to March 1 (<i>proposed action</i>).....	54
3.2.3	Change the start of the fishing year to May 1.....	54
3.2.4	Change the start of the fishing year to August 1.....	54
3.3	Other measures.....	54
3.3.1	Trawl gear restriction.....	54
3.3.1.1	No Action.....	54
3.3.1.2	Clarification of trawl gear restriction for vessels fishing under a multispecies or monkfish DAS (<i>proposed action</i>).....	54
3.3.2	Possession limit of 50 bushels	56
3.3.2.1	No Action.....	56
3.3.2.2	Possession limit of 50 bushels shoreward of the VMS demarcation line and up to 100 bushels seaward of that line (<i>proposed action</i>)	56
3.4	Additional measures that can be implemented by a framework action to the scallop fmp	57
3.5	Considered and rejected alternatives	57
3.5.1	Measures to control capacity and mortality in the general category scallop fishery (Goal #1) 57	
3.5.1.1	Limited Entry (Objective #2).....	57
3.5.1.2	Alternative to modify the possession limit restriction	62
3.5.1.3	Hard Total Allowable Catch (Hard TAC)	63
3.5.1.4	Monitoring Provisions	64
3.5.1.5	Limited access fishing under general category rules	64
3.5.1.6	Allocation between limited access and general category fisheries (Objective #1) 64	
3.5.1.7	Incidental Catch (Objective #4).....	65
3.5.2	Measures to allow better and more timely integration of recent data (Goal #2, Objective #5).....	67
3.5.2.1	Annual management of scallops	67
3.5.3	Other measures.....	67
3.5.3.1	Formation of sectors for the existing limited access scallop fishery	67
3.5.3.2	Consider an alternative that would make the habitat areas in Closed Area I consistent68	
4.0	Affected environment	69
4.1	The Atlantic Sea Scallop Resource.....	69
4.1.1	Atlantic sea scallop assessment	70
4.2	Physical environment and essential fish habitat (EFH)	79
4.2.1	Physical Environment	79
4.2.1.1	Inshore.....	81
4.2.1.2	Gulf of Maine/Georges Bank/Mid-Atlantic.....	82
4.2.2	Essential Fish Habitat / Biological Environment.....	90
4.2.2.1	Inshore.....	96
4.2.2.2	Gulf of Maine/Georges Bank/Mid-Atlantic.....	97

4.3	Protected Resources	112
4.4	Fishery-related businesses and communities	116
4.4.1	Scallop Permits	116
4.4.2	Trends in scallop landings, revenue and prices	117
4.4.3	Limited Access Fishery.....	118
4.4.4	General Category Fishery	119
4.4.4.1	The scallop ports for general category vessels	142
4.4.5	Limited access fishing under general category rules	157
4.4.6	Scallop fishing in the Gulf of Maine.....	160
4.4.7	Cost of fishing in the sea scallop fishery	171
4.4.7.1	Variable Costs.....	171
4.4.7.2	Fixed Costs.....	174
4.5	Other fisheries	176
4.5.1	Other fisheries general category vessels are involved in	176
4.5.2	Other fisheries limited access vessels are involved in	177
4.5.3	Non-target species and bycatch	179
5.0	Environmental impacts	181
5.1	Impacts on scallop resource	181
5.1.1	Measures to control capacity and mortality in the general category scallop fishery 181	
5.1.1.1	No Action.....	181
5.1.1.2	Limited Entry (<i>proposed action</i>)	182
5.1.1.3	Hard Total Allowable Catch (Hard TAC)	191
5.1.1.4	Establish a Northern Gulf of Maine Scallop Management Area (NGOM)	192
5.1.1.5	Monitoring Provisions	193
5.1.1.6	Limited access fishing under general category rules	194
5.1.1.7	Allocation between limited access and general category fisheries (Objective #1) 195	
5.1.1.8	Incidental Catch (Objective #4).....	197
5.1.2	Measures to allow better and more timely integration of recent data (Goal #2, Objective #5).....	197
5.1.2.1	Background on fishing year issue	198
5.1.2.2	Current scallop survey process and integration with management actions	198
5.1.2.3	Impacts of the measures to improve integration of recent data	201
5.1.3	Other measures.....	204
5.1.3.1	Trawl gear restriction.....	204
5.1.3.2	Possession limit of 50 bushels	204
5.2	Impacts on physical environment and efh	206
5.2.1	Measures to control capacity and mortality in the general category scallop fishery 206	
5.2.1.1	No Action.....	206
5.2.1.2	Limited Entry	206
5.2.1.3	Hard Total Allowable Catch Limit (Hard TAC).....	208
5.2.1.4	Establish a Northern Gulf of Maine Scallop Management Area (NGOM)	208
5.2.1.5	Monitoring Provisions	209
5.2.1.6	Limited access fishing under general category rules	209

5.2.1.7	Allocation between limited access and general category fisheries (Objective #1)	210
5.2.1.8	Incidental catch	211
5.2.2	Measures to allow better and more timely integration of recent data.....	212
5.2.3	Other measures.....	212
5.2.4	Summary of Impacts to Physical Environment and EFH	213
5.3	Impacts on protected resources.....	217
5.3.1	Background.....	217
5.3.2	Measures to Control Capacity and Mortality in the General Category Scallop Fishery	218
5.3.3	Hard Total Allowable Catch (Hard TAC)	220
5.3.4	Establish a Northern Gulf of Maine Scallop Management Area (NGOM)	221
5.3.5	Monitoring Provisions	221
5.3.6	Limited Access Fishing Under General Category Rules; Allocation of Quota to Limited Access Vessels Fishing Under General Category Rules.....	221
5.3.7	Allocation Between Limited Access and General Category Fisheries	222
5.3.8	Incidental Catch	222
5.3.9	Measures to allow more timely integration of recent data.....	222
5.3.10	Other Measures	223
5.4	Economic impacts.....	224
5.4.1	Overview of economic impacts	224
5.4.1.1	Summary of impacts of limited entry, qualification criteria and period alternatives	224
5.4.1.2	Summary of impacts of general category TAC combined with access and allocation alternatives	226
5.4.1.3	Summary of economic impacts of allocation between limited access and general category fisheries	228
5.4.1.4	Summary of impacts of the qualification criteria and qualification period alternatives on recent participants in the fishery.....	235
5.4.1.5	Summary of impacts of the other measures proposed by this amendment and alternatives	237
5.4.1.6	Summary of impacts of the proposed action on employment.....	238
5.4.2	The impacts of no action and status quo management	240
5.4.3	The impacts of limited access, the qualification criteria and time period alternatives on general category permit holders and on the number of vessels that qualify for limited access	241
5.4.4	Analysis of qualification criteria and period alternatives by primary state of landing, primary gear and scallop pounds per trip.....	246
5.4.5	Combined Economic impacts the qualification criteria, period alternatives and general category TAC on vessels that qualify for limited access	258
5.4.5.1	Introduction.....	258
5.4.5.2	The impacts on average allocation (scallop pounds or trips) per qualified vessel	260
5.4.5.3	The impacts on average scallop revenue per qualified vessel	263
5.4.5.4	The impacts on fishing costs.....	265

5.4.5.5	The impacts on average net revenues for the vessels that qualify for limited access	266
5.4.5.6	The impacts of the allocation amounts on crew and vessel shares on groups of general category vessels.....	268
5.4.6	The impacts of qualification criteria and time period alternatives on recent participants.....	276
5.4.6.1	Relative Impacts on groups of general category vessels	282
5.4.6.2	Distributional impacts of alternatives between qualified vessels according to their recent activity in the general category fishery.....	287
5.4.7	Economic impacts of the contribution factor alternatives combined with qualification criteria, period and general category TAC	291
5.4.7.1	Overall impacts on qualifying vessels according to the level of annual scallop landings	291
5.4.7.2	Distributional impacts of contribution factor alternatives according to the years of activity in the general category fishery.....	297
5.4.7.3	Capping the contribution pounds: alternatives in determining the share of each individual vessel (Alternative 3.1.2.3.6).....	301
5.4.8	Allocation of access for general category limited access qualifiers	303
5.4.8.1	Individual fishing quota for all qualifiers	303
5.4.8.2	Individual fishing quota for two permit types (part-time and full-time, Section 3.1.2.4.2).....	306
5.4.8.3	Individual fishing quota – equal allocation for three tiered permits (Section 3.1.2.4.3).....	308
5.4.8.4	Stand alone individual transferable fishing quota alternative (3.1.2.4.4).....	311
5.4.8.5	Stand alone alternative - Quarterly hard TAC with limited entry (3.1.2.4.5).....	313
5.4.8.6	Fleet wide hard-TAC under limited entry (3.1.2.4.6, 3.1.2.4.7).....	315
5.4.9	Impacts of limited entry permit provisions (3.1.2.5)	318
5.4.10	The impacts of trawl gear measures (3.1.2.6).....	321
5.4.11	Sectors and Harvesting Cooperatives (3.1.2.7).....	321
5.4.12	Interim measures for transition period to limited entry	322
5.4.12.1	Interim temporary 10% TAC alternative (proposed action).....	322
5.4.12.2	Transition to limited entry alternative without a hard-TAC	323
5.4.13	Hard TAC without limited access (3.1.3).....	325
5.4.14	Impacts of Northern Gulf of Maine (NGOM) Scallop Management Area alternatives (Section 3.1.4)	325
5.4.14.1	No Action.....	325
5.4.14.2	Amendment 11 would not apply to the Northern Gulf of Maine	325
5.4.14.3	Establish a Northern Gulf of Maine Management Area Limited Entry Program	326
5.4.14.4	Establish a Northern Gulf of Maine Management Area Limited Entry Program without landings criteria (<i>proposed action</i>)	328
5.4.15	Monitoring Provisions (3.1.5).....	329
5.4.16	Impacts of limited access fishing under general category rules (Alternatives in Section 3.1.6 of DSEIS).....	329
5.4.16.1	Qualification for limited access general category fishery.....	329

5.4.16.2	Allocation of quota to limited access vessels under general category (Alternatives in Section 3.1.6 of DSEIS).....	335
5.4.17	Impacts of allocation between limited access and general category fisheries (section 3.1.7.2).....	338
5.4.17.1	No action (alternative 3.1.7.1):.....	338
5.4.17.2	Overall economic impacts TAC allocation on the general category and limited access fleets	341
5.4.17.3	Impacts on general category vessels	347
5.4.17.4	The impacts on limited access vessels	355
5.4.17.5	Allocation of yellowtail flounder bycatch TAC in access areas (3.1.7.3) ..	361
5.4.18	Incidental Catch (3.1.8).....	362
5.4.18.1	No Action (3.1.8.1)	362
5.4.18.2	Incidental catch permit (3.1.8.2).....	362
5.4.19	More Timely Integration of Data (3.2)	363
5.4.20	Trawl gear restriction (3.3.1)	365
5.4.21	Possession limit of 50 bushels (3.3.2).....	366
5.4.22	Enforcement costs.....	366
5.4.23	Appendix for economic analyses: Data, methods and uncertainties.....	367
5.4.23.1	Estimation of ex-vessel prices	367
5.4.23.2	Estimation of Fishing Costs	371
5.4.23.3	The sources of uncertainty in the analyses	371
5.5	Social impacts	373
5.5.1	Limited Entry (3.1.1 and 3.1.2).....	373
5.5.1.1	Qualifications (3.1.2.1, 3.1.2.2, and 3.1.2.3)	373
5.5.1.2	Allocation (3.1.2.4).....	374
5.5.1.3	Permit Provisions (3.1.2.5)	380
5.5.1.4	Measures to reduce incentive to use trawl gear (3.1.2.6).....	381
5.5.1.5	Sectors and Harvesting Cooperatives (3.1.2.7).....	382
5.5.1.6	Interim measures for transition to limited entry (3.1.2.8).....	383
5.5.2	Hard Total Allowable Catch (3.1.3)	383
5.5.3	Northern Gulf of Maine Scallop Management Area (3.1.4).....	383
5.5.4	Monitoring Provisions (3.1.5).....	385
5.5.5	Limited access fishing under general category rules (3.1.6)	385
5.5.6	Allocation between limited access and general category fisheries (3.1.7)	385
5.5.7	Incidental Catch (3.1.8).....	386
5.5.8	More Timely Integration of Data (3.2)	386
5.5.9	Other measures.....	387
5.5.9.1	Trawl gear restrictions (3.3.1).....	387
5.5.9.2	Possession limit of 50 bushels (3.3.2).....	387
5.6	Other impacts	388
5.6.1	Other fisheries.....	388
5.6.1.1	Measures to control capacity and mortality in the general category scallop fishery	388
5.6.1.2	Measures to allow better and more timely integration of recent data (Goal #2, Objective #5).....	397
5.6.1.3	Other measures.....	398

5.6.2	Impacts on non-target species.....	398
5.6.2.1	Measures to control capacity and mortality in the general category scallop fishery	399
5.6.2.2	Measures to allow better and more timely integration of recent data (Goal #2, Objective #5).....	404
5.6.2.3	Other measures.....	405
5.6.2.4	Skate Baseline Review.....	405
5.6.3	Enforcement and Safety.....	406
5.6.3.1	Measures to control capacity and mortality in the general category scallop fishery	406
5.6.3.2	Monitoring Provisions.....	408
5.6.3.3	Limited access fishing under general category rules.....	408
5.6.3.4	Allocation between limited access and general category fisheries.....	408
5.6.3.5	Incidental Catch (Objective #4).....	408
5.6.3.6	Measures to allow better and more timely integration of recent data (Goal #2, Objective #5).....	408
5.6.3.7	Other measures.....	409
5.7	Cumulative effects.....	409
5.7.1	Introduction.....	409
5.7.2	Valued Ecosystem Components (VECs).....	410
5.7.3	Spatial and Temporal Boundaries.....	411
5.7.4	Past, Present and Reasonably Foreseeable Future Actions.....	412
5.7.4.1	Past and Present actions.....	412
5.7.4.2	Reasonably Foreseeable Future Actions.....	426
5.7.5	Non-fishing Impacts.....	430
5.7.6	Cumulative Effects Analysis.....	437
5.7.6.1	Summary of Cumulative Effects of the proposed action.....	454
6.0	Consistency with the magnuson-stevens conservation and management act.....	455
6.1	National Standards.....	455
6.2	Other Required Provisions of the M-S Act.....	461
6.3	Discretionary Provisions Related to Limited Access.....	466
6.4	Compliance with IFQ requirements.....	468
6.5	EFH assessment.....	468
6.5.1	Description of Action.....	468
6.5.2	Potential adverse impacts on the action on EFH.....	470
6.5.3	Proposed measures to avoid, minimize, or mitigate adverse impacts of this action	471
6.5.4	Conclusions.....	475
7.0	Relationship to other applicable law.....	475
7.1	National Environmental Policy Act (NEPA).....	475
7.1.1	Introduction.....	475
7.1.2	Scoping Process.....	475
7.1.2.1	Scoping Comments.....	476
7.1.2.2	Scoping Meetings.....	482
7.1.3	Determination of Significance.....	492
7.1.4	DSEIS Public comments and responses.....	494

7.1.4.1	Purpose and Need for Action	494
7.1.4.2	Alternatives under consideration	494
7.1.4.3	Description of affected environment and impacts of alternatives under consideration	503
7.1.4.4	Other comments / General Comments	503
7.1.5	List of Preparers	504
7.1.6	DSEIS and FSEIS Circulation List	505
7.2	Marine Mammal Protection Act (MMPA)	506
7.3	Endangered Species Act (ESA)	506
7.4	Administrative Procedure Act (APA)	506
7.5	Paperwork Reduction Act (PRA)	507
7.6	Coastal Zone Management Act (CZMA)	507
7.7	Information Quality Act	507
7.8	E.O. 12866	508
7.8.1	Introduction	508
7.8.2	Economic Impacts	509
7.8.3	Summary of economic impacts	510
7.8.4	Enforcement Costs	513
7.8.5	Determination of Significant Regulatory Action	514
7.9	Initial Regulatory Flexibility Analysis (IRFA)	514
7.9.1	Problem Statement and Objectives	514
7.9.2	Management Alternatives and Rationale	515
7.9.3	Determination of Significant Economic Impact on a Substantial Number of Small Entities	515
7.9.4	Description of the small business entities	515
7.9.5	Determination of significant effects	516
7.9.6	Summary of the combined economic impacts of the limited access measures ..	517
7.9.7	Summary of the economic impacts of the individual measures	526
7.9.8	Indirectly affected industries	537
7.9.9	Identification on Overlapping Regulations	537
7.10	E.O. 13132 (Federalism)	537
7.11	E.O. 12898 (Environmental Justice)	537
8.0	List of Public Meetings	538
9.0	References	539
10.0	Index	546

APPENDICES

- I. Scoping Comments received for Amendment 11**
- II. Written Public comments on the Amendment 11 DSEIS**
- III. Meeting summaries from the Amendment 11 DSEIS Public Hearings**
- IV. Summary of Atlantic sea scallop stock assessment (2004)**

TABLE OF TABLES

Table 1 – Summary of alternatives for Amendment 11 (proposed action is shaded)..... xi

Table 2 - Seasonal distribution by quarter of landings by general category vessels (Dealer data FY2001-06)..... 23

Table 3 - Seasonal distribution by trimester of landings by general category vessels (Dealer data FY2001-06)..... 23

Table 4 - Percentiles of scallop landings per trip by target species for general category vessels using finfish trawls..... 33

Table 5 – Scallop landings from general category vessels, limited access vessels under DAS, and limited access vessels under general category from 1994 to present..... 49

Table 6 - Estimate of the lower and upper bounds of the range approved for consideration in Amendment 11 for the general category allocation with various TAC values (40-70 million pounds)..... 51

Table 7. Monkfish and Multispecies permits held by vessels by general category permits by last application date (unique numbers up to the control date)..... 55

Table 8 – Summary of potential qualifiers if qualification time period is extended, based on dealer data 61

Table 9 - Summary species and life stage’s EFH adversely impacted by otter trawling and scallop dredging (gears that adversely impact EFH used in the Scallop fishery)..... 92

Table 10 - Gulf of Maine benthic assemblages as identified by Watling (1998). 101

Table 11 - Comparison of demersal fish assemblages of Georges Bank and Gulf of Maine identified by Overholtz and Tyler (1985) (Georges Bank only) and Gabriel (1992). 103

Table 12 - Ten dominant species and mean abundance/tow⁻¹ from each cluster species group and its associated substrate type as determined by reflectance value, from Stellwagen Bank, Gulf of Maine (Auster et al. 2001). 104

Table 13 - Sedimentary provinces of eastern Georges Bank..... 105

Table 14 - Mid-Atlantic habitat types as described by Pratt (1973) and Boesch (1979) with characteristic macrofauna as identified in Boesch (1979). 109

Table 15 - Major recurrent demersal finfish assemblages of the Mid-Atlantic Bight during spring and fall as determined by Colvocoresses and Musick (1984)..... 111

Table 16 - Mid-Atlantic reef types, location, and representative flora and fauna, as described in Steimle and Zetlin (2000). 112

Table 17. Scallop Permits by Application Year..... 117

Table 18 – Scallop landings and revenues by fishing year..... 118

Table 19. Estimated Scallop Landings, Prices and Revenues (in 2006 prices, based on projections used in EA for ETA)..... 118

Table 20. Active limited access scallop vessels for recent fishing years (Dealer data)..... 119

Table 21. Vessel size distribution for limited access vessels..... 119

Table 22 - General category vessels by length and tonnage, 1994-2006..... 120

Table 23 - Length and tonnage of VMS and non-VMS permits, 2005-2006 120

Table 24. Number of active general category vessels and scallop landings (lb.) 120

Table 25. Average number of scallop trips (data partially corrected for 2000-04 fish years).... 121

Table 26. Number of vessels by number of scallop trips..... 121

Table 27. Average scallop pounds per trip (data partially corrected for 2000-04 fish years) 121

Table 28. Number of general category vessels by percent revenue from scallops 122

Table 29. Percentage of scallop revenue by annual scallop landings. 122

Table 30. Revenue from other fisheries	123
Table 31. Number of vessels by annual scallop landings.	123
Table 32. Average scallop pounds per vessel for each group.....	123
Table 33. Average GRT by annual scallop landings.	124
Table 34. Number of general category vessels by primary gear and fishing year.....	124
Table 35. General category scallop landings by primary gear (lb.).....	125
Table 36. Percentage of general category scallop landings by primary gear.....	125
Table 37 - Landed value for general category vessels homeported in New England by species	126
Table 38 - Landed value for general category vessels homeported in Mid-Atlantic by species	126
Table 39 - 2005 permits held by General Category scallop vessels	126
Table 40 - General Category trip characteristics	127
Table 41 - Scallop landings from general category vessels, limited access vessels under DAS, and limited access vessels under general category from 1994 to present.....	127
Table 42 – Summary of general category landings by region from 1994 to date.....	128
Table 43 - General category permits by homeport state, with average length, 1995-2004	142
Table 44 - VMS general category permits by homeport state, with average length, 2005-2006	143
Table 45 - General category vessels by homeport and county (2001–2006).....	143
Table 46 - Landed pounds and value of scallops by general category vessels, 2000-2006.....	155
Table 47 - Distribution of general category landed value of scallops by associated homeport..	156
Table 48. Number of limited access vessels taking general category trips (i.e.,<=400 lb. trips) by permit category	158
Table 49. Number of limited access vessels taking general category trips (i.e.,<=400 lb. trips) by MAX. trip lb. category.....	158
Table 50. Average scallop pounds per vessel from general category trips (i.e.,<=400 lb. trips)	158
Table 51. General category scallop landings as a % of total scallop landings (i.e.,<=400 lb. trips)	159
Table 52. Limited access vessels with general category landings by primary port of landing in 2005 fishing year.....	159
Table 53. Dependence on general category scallop landings as a % of total revenue in 2005 fishing year for limited access vessels	159
Table 54 – Maine scallop landings, 1979 (shucked meat in pounds). (Source: Walton, 1980) .	161
Table 55 – Summary of annual landings by area from 1964-2003 (Source: SARC 39 Report).	164
Table 56 – Scallop landings from vessels homeported in Maine (ME VTR = federal vessels caught in all areas; ME VTR GOM only = landings from federal vessels caught in statistical areas 464, 465, 467, 511, 512, 513, 514, and 515; ME state landings = landings reported voluntarily by Maine state dealers	166
Table 57. Trip characteristics per general category vessel during 2002-2005 (in 2004 inflation adjusted prices)	172
Table 58. Trip costs by gross tonnage during 2001-2005 (in 2004 inflation adjusted prices) ...	172
Table 59. Trip costs per limited access vessels during 2002-2005.....	173
Table 60. Trip costs per limited access vessel during 2002-2005	173
Table 61. Annual fixed costs for general category scallop vessels by year (for active vessels only). 2004 prices.....	174
Table 62. Annual fixed costs of active general category vessels by ton class 2002-05 average, 2004 prices	175

Table 63. Annual fixed costs for limited access scallop vessels by year (for active vessels only). 2004 prices	175
Table 64. Annual fixed costs of limited access scallop vessels by ton class 2002-05 average, 2004 prices	175
Table 65. Annual fixed costs of full-time limited access scallop vessels by ton class 2002-05 average, 2004 prices.....	175
Table 66. Other permits held by General category vessels with 1B permits during the 2005 application year	176
Table 67 - 2005 permits held by General Category scallop vessels	176
Table 68 - Percentiles of scallop landings per trip by target species for general category vessels using finfish trawls.....	185
Table 69. Percentiles of scallop landings per trip by target species for general category vessels using dredges	190
Table 70. Percentiles of scallop landings per trip by target species for general category vessels using scallop trawls.....	190
Table 71. Summary of Impacts to Physical Environment and EFH of AM11 Alternatives.....	214
Table 72. Number of qualifying general category vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.	226
Table 73. Number of qualifying limited access vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period (total of full-time, part-time and occasional).....	226
Table 74. Impacts of allocation on landings and revenues of the general category and limited access fleets.....	230
Table 75. Average scallop pounds per vessel by percentage of scallop harvest allocated to general category fishery	233
Table 76. Distributional impacts of qualification criteria and qualification period alternatives combined with % TAC.	234
Table 77. Impacts by qualification criteria and time period alternatives compared to the recent participation in the fishery	237
Table 78. Short-term impacts on employment.....	240
Table 79 Unique number of general category permits and active vessels by various periods of qualification	244
Table 80. Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.	246
Table 81. General Category Permits by the Primary State of Landing and by application year (May 1 st to the end of April)	247
Table 82. Number of unique general category permits according to the last-application date for the permit for the specified period.....	248
Table 83. Impacts of qualification criteria alternatives for 11 year qualification period by state of landing.....	248
Table 84. Impacts of qualification criteria alternatives for 5 year qualification period by state of landing.....	249
Table 85. Impacts of qualification criteria alternatives for 2 year qualification period by state of landing.....	250

Table 86. Vessels with a primary port from Maine: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period	251
Table 87. Vessels with a primary port from MA and NH: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.....	252
Table 88. Vessels with a primary port from RI and CT: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.....	253
Table 89. Vessels with a primary port from NY and NJ: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.....	254
Table 90. Vessels with a primary port from Mid-Atlantic states other than NY and NJ: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.....	255
Table 91. Number of qualifiers by primary gear	255
Table 92. Scallop pounds per vessel by primary gear	256
Table 93. Scallop landings as a % of total by primary gear	256
Table 94. Number vessels by maximum scallop landings from a trip.....	256
Table 95. Sum of best year scallop landings (lb.) by maximum scallop landings from a trip....	257
Table 96. Average scallop landings per vessel (lb.) by maximum scallop landings from a trip	257
Table 97. Estimated Scallop Landings, Prices and Revenues (in 2006 prices, based on projections used in EA for ETA).....	259
Table 98. Estimated scallop landings and revenue for general category vessels with TAC	260
Table 99. Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.	261
Table 100. Number of qualifying vessels and estimated maximum landings per vessel based on an individual allocation system and best year of landings during the specified time period.....	262
Table 101. Number of qualifying vessels and estimated minimum pounds per vessel based on an individual allocation system and best year of landings during the specified time period.	262
Table 102. Number of qualifying vessels and estimated trips per vessel based on an individual allocation system and best year of landings during the specified time period.....	263
Table 103. Number of qualifying vessels and estimated revenue based on an individual allocation system and best year of landings during the specified time period and using a scallop price of \$7.60 per pound	264
Table 104. Number of qualifying vessels and estimated revenue based on an individual allocation system and best year of landings during the specified time period and using a scallop price of \$6.00 per pound	265
Table 105. Vessel characteristics and costs	266
Table 106. Number of qualifying vessels and estimated trip costs per vessel based on best year of landings during the specified time period (using a fuel price of \$2.23 per gal.)	266
Table 107. Number of qualifying vessels and estimated net revenue per vessel based on best year of landings during the specified time period (using a fuel price of \$2.23 per gal. and scallop price of \$7.60).....	267

Table 108. Number of qualifying vessels and estimated net revenue per vessel based on best year of landings during the specified time period (using a fuel price of \$2.23 per gal. and scallop price of \$6).....	268
Table 109. Estimated costs for sample of general category vessels that were active during the 2005 fishing year.....	270
Table 110. Revenue from scallop and other fisheries by vessel size (2005 fishing year)	271
Table 111. Composition of revenue by annual landings and GRT (2005 fishing year)	271
Table 112. Landings and revenue by average trip landings.....	272
Table 113. Estimated revenues and costs for an average vessel with less than 50 gross tonnage.	273
Table 114. Estimated revenues and costs for an average vessel with less than 50 gross tonnage.	274
Table 115. Estimated revenues and costs for an average vessel with 51 to 100 gross tonnage.	274
Table 116. Estimated revenues and costs for an average vessel with 101 to 150 gross tonnage. Price=\$7.60 per pound, Average trip costs per DA=\$416, average fixed costs per vessel=\$100,919, average revenue from other fisheries=\$379,324 (2005).....	275
Table 117. Estimated revenues and costs for an average vessel with gross tonnage of greater than 150 GRT Price=\$7.60 per pound, Average trip costs per DA=\$489, average fixed costs per vessel=\$134,561, average revenue from other fisheries=\$671,880 (2005).....	275
Table 118. Estimated revenues and costs for an average vessel with 51 to 100 gross tonnage and average trip landings of 200 lb. Price=\$7.60 per pound. Average trip costs per DA=\$343.....	276
Table 119. Scallop Landing and revenues by general category vessels according to the permit date.....	277
Table 120. Landings and Revenues by general category vessels by permit date and primary region of landing.....	278
Table 121. Historical and recent activity by general category vessels that qualify and do not qualify for limited access according to the qualification criteria and time period alternatives. .	280
Table 122. Composition of total revenue by qualification criteria and time period alternatives in 2005 fishing year.....	281
Table 123. Combined Impacts (total include vessels which had a permit before control date but did not land scallops during the qualification time period).	286
Table 124. Composition of scallop landings and revenues in 2005 and 2006 fishing years by qualification and time period	287
Table 125. The impacts of qualification alternatives on allocation pounds for vessels that qualify for limited access according to their recent participation in the fishery using an example of 4 million lb. of TAC.....	288
Table 126. The impacts of qualification alternatives on allocation pounds for vessels that qualify for limited access according to their recent participation in the fishery using an example of 4 million lb. of TAC.....	289
Table 127. The impacts of qualification alternatives on revenues for vessels that qualify for limited access according to their recent participation in the fishery using an example of 4 million lb. of TAC	290
Table 128. The number of qualified vessels by years active and qualification criteria.....	292
Table 129. Allocations by qualification and allocation criteria assuming a 4 million lb. TAC and 11-year qualification period.....	293

Table 130. Allocations by qualification and allocation criteria assuming a 4 million lb. TAC and 5-year qualification period.....	294
Table 131. Allocations by qualification and allocation criteria assuming a 4 million lb. TAC and 2-year qualification period.....	295
Table 132. Allocations by qualification and allocation criteria assuming a 2 million lb. TAC and 11-year qualification period.....	296
Table 133. Allocations by qualification and allocation criteria assuming a 2 million lb. TAC and 5-year qualification period.....	296
Table 134. Allocations by qualification and allocation criteria assuming a 2 million lb. TAC and 2-year qualification period.....	297
Table 135. Comparisons of vessel allocations with 100 lb. criteria for five year qualification period (2000-04 fishing years) and for a TAC of 4 million lb.....	299
Table 136. Total contribution pounds.....	299
Table 137. 11 Year and 4 million TAC.....	300
Table 138. 5 Year and 4 million TAC.....	300
Table 139. 2 Years and 4 million TAC.....	301
Table 140. Percentile distribution of best year scallop pounds by 550 general category vessels that landed 100 lb. or more from any one trip during 2000-04.....	303
Table 141. Qualifying vessels by tier category and best year landings, trips and average pounds per trip.....	307
Table 142. Part-time vessels by average scallop pounds per trip (Best year).....	308
Table 143. Impacts of possession limit on net revenue from scallops.....	308
Table 144. Allocation for vessels with a three tiered permit system (Based on best-year of landing).....	311
Table 145. Impacts of stand-alone alternative on number of qualifiers and individual allocation.....	312
Table 146. Qualifying vessels by trip limit group.....	314
Table 147. Scallop landings (lb.) by quarter.....	317
Table 148. Percentage distribution of landings by quarter.....	317
Table 149. Scallop prices by quarter (nominal).....	317
Table 150. Scallop landings (lb.) by trimester.....	317
Table 151. Percentage distribution of landings by trimester.....	318
Table 152. Scallop prices by trimester (nominal).....	318
Table 153. Permit stacking and percentage ownership restriction.....	320
Table 154. Vessels with a primary port from Maine: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.....	327
Table 155. General category permits and vessels qualify for NGOM permit by primary state of landing.....	328
Table 156. The limited access vessels qualify and do not qualify for general category limited access permit with 100 lb. criteria and qualification period.....	330
Table 157. The limited access vessels qualify and do not qualify for general category limited access permit with 1000 lb. criteria and qualification period.....	331
Table 158. The limited access vessels qualify and do not qualify for general category limited access permit with 5000 lb. criteria and qualification period.....	332

Table 159. Dependence on general category scallop landings as a % of total revenue in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 100 lb. criteria	333
Table 160. Dependence on general category scallop landings as a % of total revenue in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 1000 lb. criteria	333
Table 161. Dependence on general category scallop landings as a % of total revenue in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 5000 lb. criteria	333
Table 162. Primary port of landing in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 100 lb. criteria	334
Table 163. Primary port of landing in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 1000 lb. criteria	334
Table 164. Primary port of landing in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 1000 lb. criteria	335
Table 165. Allocation of general category TAC among general category and limited access vessels qualifying for limited access.....	337
Table 166. Impacts of 0.5% TAC on average allocation per vessel.....	338
Table 167. Impacts of increase in general category effort and landings on limited access vessels.	341
Table 168. Impacts of allocation on landings and revenues of the general category and limited access fleets (Scenario A)	344
Table 169. Impacts of allocation on costs and producer surplus by permit category (Scenario A, higher prices, LPUE=2300 lb.).....	345
Table 170. Impacts of allocation on landings and revenues of the general category and limited access fleets (Scenario B: lower prices).....	346
Table 171. Impacts of allocation on landings and revenues of the general category and limited access fleets (Scenario B, Lower prices, LPUE=1800 lb.).....	347
Table 172. Average scallop pounds per vessel by percentage of scallop harvest allocated to general category fishery	349
Table 173. Average scallop revenue per vessel by percentage of scallop harvest allocated to general category fishery (Scenario A, higher prices).....	350
Table 174. Average scallop revenue per vessel by percentage of scallop harvest allocated to general category fishery (Scenario B, lower prices).....	351
Table 175. Average scallop pounds per vessel for limited access qualifiers with 20,000 lb. or more scallop landings from best year (or Tier 1).....	352
Table 176. Average scallop pounds per vessel for limited access qualifiers with scallop landings of 5000 lb. to 19,999 lb. from best year (or Tier 2)	353
Table 177. Average scallop pounds per vessel for limited access qualifiers with scallop landings of less than 5000 lb. from best year (or Tier 2)	354
Table 178. Estimated revenues and costs for an average vessel with less than 50 gross tonnage.	355
Table 179. Scenario A: Impacts of general category TAC on limited access vessels (assuming 334 full-time vessels, import price of \$4.15, exports=25 million, LPUE=2300 lb.).....	358
Table 180. Scenario B: Impacts of general category TAC on limited access vessels (assuming 334 full-time vessels, import price of \$3.50, exports=10 million, LPUE=1800 lb.).....	359

Table 181. Scenario A: Impacts of general category TAC on limited access vessels (assuming 334 full-time vessels, and higher prices)	360
Table 182. Scenario B: Impacts of general category TAC on limited access vessels (assuming 334 full-time vessels and lower prices).	361
Table 183. Composition of scallop landings by trip landing	363
Table 184. Distribution of scallop landing by limited access vessels by month and calendar year	365
Table 185. Distribution of scallop landing by limited access vessels by period	365
Table 186. Regression results for price model.....	369
Table 187. Coefficients of the Price Model.....	370
Table 188. Average predicted and actual ex-vessel price during 1998-2004.....	371
Table 189 - Relative changes in general category scallop landings weighted by homeport dependency, for individual fishing quota (3.1.2.4.1) (Proposed action shaded)	376
Table 190 - Best Years Indexed by years active, additional impact on 11-yr period. (proposed action shaded)	377
Table 191 - Percentage of scallop trips with greater than 200 lbs of scallops landed, fishing years 1995-2004 (for vessels qualifying under the 11-yr qualification period).....	378
Table 192 - Homeports with percentage of allocated lbs to full-time permit tier (Alternative 3.1.2.4.2) (11-yr qualification period, 100 and 1000 lb options respectively)	378
Table 193 - Relative changes in general category scallop landings weighted by homeport dependency, for individual allocation alternative with three permit types (3.1.2.4.3)	379
Table 194 - 2005 General category scallop trips by gear used (for all vessels)	382
Table 195 - Homeport level impacts from trawl measures.....	382
Table 196. Landings and Revenues by general category vessels by permit date and primary region of landing	389
Table 197 - Composition of total revenue by qualification criteria and time period alternatives in 2005 fishing year. (proposed action shaded)	391
Table 198 - Composition of revenue for general category vessels by % revenue from scallops	392
Table 199 - Percentiles of scallop landings per trip by target species for general category vessels using finfish trawls.....	395
Table 200 - Terms used in cumulative effects tables to summarize cumulative impacts.....	410
Table 201. Description of measures implemented by Council in last major FMP amendments to minimize, mitigate or avoid adverse impacts on EFH.....	415
Table 202 – Summary of effects from past and present actions.....	425
Table 203 – Summary of effects from reasonably foreseeable future actions.....	429
Table 204 – Summary of effects from non-fishing activities	434
Table 205 – Cumulative effects of alternatives under consideration on the five Amendment 11 VECs (proposed action is shaded)	443
Table 206 – Summary of cumulative effects of the proposed action	454
Table 207. Summary of Impacts to Physical Environment and EFH of Proposed Action.....	469
Table 208. Description of measures implemented by Council in last major FMP amendments to minimize, mitigate or avoid adverse impacts on EFH.....	472
Table 209. Scallop Permits by category	516
Table 210. Active scallop vessels by permit category (Dealer data).....	516
Table 211. Impacts by qualification criteria and time period alternatives compared to the recent participation in the fishery	523

Table 212. Vessels characteristics and percentage revenue of general participants from scallops and (2005 fishing year) 524

Table 213. Percentage change in total revenue of vessels qualify for limited access assuming an allocation of 2.5 million pounds to general category..... 525

Table 214. The best year landings and allocation for qualifying vessels that were not active in 2005 fish year..... 526

Table 215. Number of qualifying general category vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period. 527

Table 216 – List of public meetings the Council held related to development of Amendment 11 538

TABLE OF FIGURES

Figure 1 – Boundaries for scallop management areas 6

Figure 2 – Summary of alternatives under consideration for a limited entry general category permit (qualification criteria, qualification time period, contribution factor alternatives, and allocation methods)..... 11

Figure 3 – Potential boundaries for the NGOM Management Area..... 46

Figure 4 - Sea scallop survey biomass and estimated fishing mortality for Georges Bank, Mid-Atlantic, and combined. 73

Figure 5 – Georges Bank sea scallop biomass (open areas in dots, closed areas in dashes, and overall in solid line) 75

Figure 6 – Georges Bank biomass in kg/tow from the 2006 sea scallop survey 76

Figure 7 - Mid-Atlantic sea scallop biomass (open areas in dash/dots, Hudson Canyon in dots, Elephant trunk in dashes and overall in solid line)..... 77

Figure 8 – Mid-Atlantic biomass in kg/tow from the 2006 sea scallop survey 78

Figure 9 - U.S. Northeast Shelf Ecosystem 80

Figure 10 - Distribution of surficial sediments, Gulf of Maine, Georges Bank, and the Mid-Atlantic Bight (modified from original map by Poppe *et al.* 1989a, b)..... 83

Figure 11 - Mid-Atlantic Bight submarine morphology. Source: Stumpf and Biggs (1988)..... 88

Figure 12 - Major features of the Mid-Atlantic and Southern New England continental shelf. Source: Stumpf and Biggs (1988)..... 88

Figure 13 - Estimated annual primary production in the Northeast shelf ecosystem 98

Figure 14 - The annual cycle of zooplankton biomass on the Northeast shelf ecosystem. 99

Figure 15 - Distribution of the seven (7) major benthic assemblages in the Gulf of Maine as determined from both soft bottom quantitative sampling and qualitative hard bottom sampling. 102

Figure 16 - Sedimentary provinces of eastern Georges Bank based on criteria of sea floor morphology, texture, sediment movement and bedforms, and mean tidal bottom current speed (cm/sec)..... 107

Figure 17 - Schematic representation of major macrofaunal zones on the Mid-Atlantic shelf. . 110

Figure 18- Location of general category trips for calendar year 1994 based on valid location data from vessel trip reports (VTR)..... 129

Figure 19- Location of general category trips for calendar year 1995 based on valid location data from vessel trip reports (VTR)..... 130

Figure 20- Location of general category trips for calendar year 1996 based on valid location data from vessel trip reports (VTR)..... 131

Figure 21- Location of general category trips for calendar year 1997 based on valid location data from vessel trip reports (VTR)..... 132

Figure 22- Location of general category trips for calendar year 1998 based on valid location data from vessel trip reports (VTR)..... 133

Figure 23- Location of general category trips for calendar year 1999 based on valid location data from vessel trip reports (VTR)..... 134

Figure 24- Location of general category trips for calendar year 2000 based on valid location data from vessel trip reports (VTR)..... 135

Figure 25- Location of general category trips for calendar year 2001 based on valid location data from vessel trip reports (VTR)..... 136

Figure 26- Location of general category trips for calendar year 2002 based on valid location data from vessel trip reports (VTR).....	137
Figure 27- Location of general category trips for calendar year 2003 based on valid location data from vessel trip reports (VTR).....	138
Figure 28- Location of general category trips for calendar year 2004 based on valid location data from vessel trip reports (VTR).....	139
Figure 29- Location of general category trips for calendar year 2005 based on valid location data from vessel trip reports (VTR).....	140
Figure 30- Location of general category trips for calendar year 2006 (not complete-data pulled mid-December 2006) based on valid location data from vessel trip reports (VTR).....	141
Figure 31 - General Category trips from vessels homeported in Maine (dark circles in figure on left) and New Hampshire (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004	150
Figure 32 - General Category trips from vessels homeported in Massachusetts (dark circles in figure on left) and Rhode Island (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004	151
Figure 33 - General Category trips from vessels homeported in Connecticut (dark circles in figure on left) and New York (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004	152
Figure 34 - General Category trips from vessels homeported in New Jersey (dark circles in figure on left) and Maryland (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004	153
Figure 35 - General Category trips from vessels homeported in Virginia (dark circles in figure on left) and North Carolina (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004	154
Figure 36 – Annual landings (in million pounds) from the Gulf of Maine (Source: SARC 39-data includes all landings reported through VTR).....	162
Figure 37 – Annual landings by area (Source: SARC 39 Report).....	163
Figure 38 – Summary of scallop landings and revenues reported through Maine state dealers.	165
Figure 39 – Scallop Landings from vessels in Maine (federally permitted and state vessels) ...	167
Figure 40 – Scallop landings from federally permitted vessels from Maine by year 2000-2005	168
Figure 41 – Maine DMR Inshore Scallop Survey (2002-03)	170
Figure 42- Updated Maine DMR Inshore Scallop Survey (2005-06).....	171
Figure 43. Value of species landed by full-time limited access vessels in 1994 -2004 fishing years.....	178
Figure 44. Value of species landed by part-time limited access vessels in 1994 -2004 fishing year	178
Figure 45. Value of species landed by occasional limited access vessels in 1994 -2004 fishing year.....	178
Figure 46. Value of species landed by general category vessels in 1994 -2004 fishing year.....	179
Figure 47 – Location of general category trips from calendar years 2001-2004 on vessels with fish otter trawl gear (dark circles) over all general category trips (lighter circles) (VTR data)	187
Figure 48 – Location of general category trips from calendar years 2001-2004 on vessels with scallop trawl gear (dark circles) over all general category trips (lighter circles) (VTR data)	188
Figure 49 - Location of general category trips from calendar years 2001-2004 on vessels with scallop dredge gear (dark circles) over all general category trips (lighter circles) (VTR data)..	189

Figure 50 – Comparison of potential timelines for the alternatives to allow better and more timely integration of recent data 203
Figure 51. Cumulative distribution of the best year scallop lb. per vessel during 2000-2004 (up to the control date) 302
Figure 52. Actual and predicted annual ex-vessel price 371

1.0 BACKGROUND AND PURPOSE

1.1 SUMMARY OF PAST MANAGEMENT ACTIONS

The Atlantic Sea Scallop FMP management unit consists of the sea scallop *Placopecten magellanicus* (Gmelin) resource throughout its range in waters under the jurisdiction of the United States. This includes all populations of sea scallops from the shoreline to the outer boundary of the Exclusive Economic Zone (EEZ). The principal resource areas are the Northeast Peak of Georges Bank, westward to the Great South Channel, and southward along the continental shelf of the Mid-Atlantic.

The management unit also includes populations found within the Gulf of Maine and Cape Cod Bay. These areas include the territorial seas throughout the range, primarily in Maine (ME) and Massachusetts (MA). Fishing for sea scallops within state territorial waters is not subject to regulation under the FMP except for vessels that hold a Federal scallop permit when scalloping in state waters. Nevertheless, sea scallops within state waters are included within the management unit in recognition of market interactions and the need for complementary state management action.

The Council established the Scallop FMP in 1982. A number of Amendments and Framework Adjustments have been implemented since that time to adjust the original plan. Amendment 4 was implemented in 1994 and introduced major changes in scallop management, including a limited access program to stop the influx of new vessels, a day-at-sea (DAS) reduction plan to reduce mortality and prevent recruitment overfishing, new gear regulations to improve size selection and reduce bycatch, a vessel monitoring system to track a vessel's fishing effort, and an annual framework adjustment process to allow certain measures to be modified in response to changes in the fishery including scallop abundance. Limited access vessels were assigned different DAS limits according to which permit category they qualified for: full-time, part-time or occasional. Amendment 4 also established a planned reduction in the annual day-at-sea allocations for vessels with limited access scallop permits. Amendment 4 also created the general category scallop permit for vessels that did not qualify for a limited access permit. Although originally created for an incidental catch of scallops in other fisheries, and for small-scale directed fisheries, the general category fishery and fleet has evolved since its creation in 1994. The changes in the general category fishery are demonstrated in Section 4.4.

Also in 1994 Amendment 5 to the Northeast Multispecies FMP closed Closed Area I, Closed Area II, and the Nantucket Lightship Area to scallop fishing, because of concerns over finfish bycatch and disruption of spawning aggregations (See Figure 1).

In 1998, the Council developed Amendment 7 to the Scallop FMP, which was needed to change the overfishing definition, the day-at-sea schedule, and measures to meet new lower mortality targets to comply with new requirement under the Magnuson-Stevens Act. In addition, Amendment 7 also established two new scallop closed areas (Hudson Canyon and VA/NC Areas) in the Mid-Atlantic to protect concentrations of small scallops until they reached a larger size. Amendment 7 further reduced the DAS allocations under a 10-year 'rebuilding' period.

Framework Adjustments 12, 14 and 15 to the Scallop FMP later adjusted the DAS allocations upward to meet the Amendment 7 fishing mortality targets.

In 1999 Framework Adjustment 11 to the Scallop FMP allowed the first scallop fishing within portions of the Georges Bank groundfish closed areas since 1994. Scallop resource surveys and experimental fishing activities had identified areas where scallop biomass was very high due to no fishing in the intervening years. These surveys and experimental fisheries provided more precise estimates of total biomass as well as the distribution and amount of finfish bycatch and allowed the Council to open the southern part of Closed Area II.

In 2000 Framework Adjustment 13 to the Scallop FMP authorized full-time and part-time limited access vessels to take three trips in the southern part of Closed Area II during June 15 to August 14, 2000; one trip in the northeast corner of the Nantucket Lightship Area during August 15 to September 30, 2000; and two trips in the central part of Closed Area I from October 1, 2000 to January 31, 2001.

In 2001 Framework Adjustment 14 to the Scallop FMP implemented a new area access program to the Hudson Canyon and VA/NC Areas since scallop biomass had rapidly increased due to the enhanced survival of the strong 1997 and 1998 year classes, especially in the Hudson Canyon Area. Following the structure of the highly successful area access program for the Georges Bank closed areas in 2000; the framework adjustment allocated trips to limited access vessels and applied a scallop possession limit and a day-at-sea tradeoff. Unlike the Georges Bank closed area access program, however, Framework Adjustment 14 allowed vessels with general category scallop permits to land 100 lbs. of scallop meats from the Hudson Canyon and VA/NC Areas.

Framework Adjustment 15 (2003) to the Scallop FMP continued the measures implemented in Framework Adjustment 14, but increased the Hudson Canyon and VA/NC Area scallop possession limit from 18,000 to 21,000 lbs. per trip. This action was needed to achieve the objectives and fishing mortality target specified in Amendment 7, while the Council developed Amendment 10.

In 2004 Amendment 10 to the Scallop FMP introduced rotation area management and changed the way that the FMP allocates fishing effort for limited access scallop vessels. Instead of allocating an annual pool of DAS for limited vessels to fish in any area, vessels had to use a portion of their total DAS allocation in the controlled access areas defined by the plan, or exchange them with another vessel to fish in a different controlled access area. Vessels could fish their open area DAS in any area that was not designated a controlled access area. The amendment also adopted several alternatives to minimize impacts on EFH, including designating EFH closed areas, which included portions of the groundfish mortality closed areas.

Framework 16 to the Scallop FMP, implemented in November 2004, adjusted DAS allocations and defined the area rotation schedule for part of the 2004 fishing year and the 2005 fishing year. It also included: a) an access program for vessels with general category scallop permits with enhanced reporting requirements and a two-percent TAC set-aside; b) yellowtail flounder TACs and provisions to minimize bycatch; c) changes in finfish possession limits to minimize bycatch and bycatch mortality; d) seasons when scallop fishing would be allowed to minimize bycatch

and bycatch mortality; e) enhanced sea sampling to improve precision of bycatch estimates; f) provisions to enhance enforcement monitoring and compliance; and g) a dredge-only restriction for fishing in the access areas to minimize bycatch and bycatch mortality.

Framework 16 also attempted to make the habitat closed area boundaries implemented under Amendment 10 consistent with the areas later implemented under Amendment 13 to the Northeast Multispecies FMP. However, in August 2005, the Court, in *Oceana v. Evans*, ruled that any revisions to the boundaries under the Scallop FMP must be implemented under a full rule making process via an FMP amendment rather than through the abbreviated rule-making process used in a framework adjustment, and reinstated the EFH closed areas implemented under Amendment 10 to the Scallop FMP. Thus, the habitat closed area boundaries implemented under Amendment 10 are currently in effect. As a result, the remaining areas accessible to scallop vessels under the rotational area management program are substantially smaller in Closed Area I and the Nantucket Lightship Closed Area than anticipated until the court ruling.

Framework 17 to the Scallop FMP was implemented in the fall of 2005. The purpose of the action was to provide more complete monitoring of the general category scallop fleet by requiring that vessels landing more than 40 pounds of scallop meats use monitoring systems (VMS). It revised the broken trip adjustment provision for limited access scallop vessels fishing in the Sea Scallop Area Access Program, by eliminating the broken trip “penalty”, which may have had a negative influence on vessel operator decisions and safety at sea.

Framework 18 was implemented on June 15, 2006, which set management measures for fishing years 2006 and 2007. Limited access vessels were allocated a specific number of open area DAS for each fishing year, as well as a maximum number of trips for different access areas depending on their permit category. Specifically, Closed Area II and Nantucket Lightship were open in 2006 under restricted access, and Nantucket Lightship and Closed Area I are open in 2007. General category vessels are also permitted to fish in these access areas with a 400 pound possession limit up to a total number of trips for that component of the fleet. Both areas are subject to a bycatch TAC of yellowtail flounder, and when that bycatch TAC is projected to be caught the area closes to all scallop fishing. The Elephant Trunk area also opens as a result of this action with specific allocation of trips, opening dates, and seasonal closures to reduce potential interactions with sea turtles. An area called Delmarva was closed under this action to protect small scallops found in that area; the area is projected to open in 2010. Other measures were included in the action such as measures related to unused 2005 Hudson Canyon trips, transfer of access area trips to open areas if access areas close early if the YT bycatch TAC is attained, elimination of crew size restrictions in access areas, access area trips exchange program changes, broken trip program changes, and allocations for set-aside programs (1% for observer program and 2% for research).

During development of this action the Council also began developing Scallop Amendment 13 which considered re-activating the industry funded observer program. Since 1999, vessels required to carry an observer are authorized to land more than the possession limit from trips in access areas, and in open areas vessels are charged a reduced amount to help compensate for the cost of an observer. Observers were deployed through a contractual arrangement between National Marine Fisheries Service (NMFS) and an observer provider until June 2004. This

arrangement was not renewed because of unresolved legal issues concerning the use of a contract to administer the industry funded observer program. For sometime NMFS funded observers while a solution to this issue was investigated. As funding became insufficient, an interim rule went into effect that approved a new mechanism to use the observer set-aside funds through a non-contracted vendor. Amendment 13 was necessary to make this temporary mechanism part of the regulations. The Council selected final measures for that action at the February 2007 Council meeting and it is expected to be implemented sometime in 2007.

The Council also initiated Framework 19 to the Scallop FMP in late 2006 to develop measures for the biennial action for fishing years 2008 and 2009. This action will include specifications for open area DAS for the limited access fishery and the scallop access area program. Depending on what is approved in Amendment 11 for the general category fishery, Framework 19 may also include specific allocation and management measures for the general category fishery if they are selected and approved in Amendment 11.

The Council initiated Phase I of the Essential Fish Habitat Omnibus Amendment in 2004. The primary purpose of Phase I was to review EFH designations, consider HAPC alternatives, describe prey species, and evaluate non-fishing impacts. This action was an amendment to all FMPs in this region, and is Amendment 14 to the Scallop FMP. The Council approved Phase I at the February 2007 Council meeting and the document was submitted to NMFS in March 2007. It is expected to be implemented later in 2007.

The Council was also developing Amendment 12 to the scallop FMP during development of Amendment 11. Similar to the EFH action, this action is an omnibus amendment to all FMPs in the region and focuses on defining a standardized bycatch reporting methodology (SBRM Amendment). Section 303(a) (11) of the Magnuson-Stevens Fishery Conservation and Management Act requires that all FMPs include “a standardized reporting methodology to assess the amount and type of bycatch occurring in the fishery.” The SBRM Omnibus Amendment will ensure that all FMPs fully comply with the act. Amendment 10 and Framework 16 to the Scallop FMP were submitted to NMFS several years ago, and in 2004 Oceana, an environmental organization filed suit in the U.S. District Court challenging the SBRM elements of the FMP. The Court found the actions did not fully evaluate reporting methodologies, did not sufficiently address potentially important scientific evidence, and did not mandate a methodology for bycatch monitoring. Therefore, the Court remanded that the Secretary of Commerce take further action on the SBRM aspects of the Scallop FMP. SBRM is the combination of sampling design, data collection procedures, and analyses used to estimate bycatch and to determine the most appropriate allocation of observers across the relevant fishery modes. The Council has worked with NMFS in development of the SBRM Omnibus Amendment since 2005 and final action is expected in 2007.

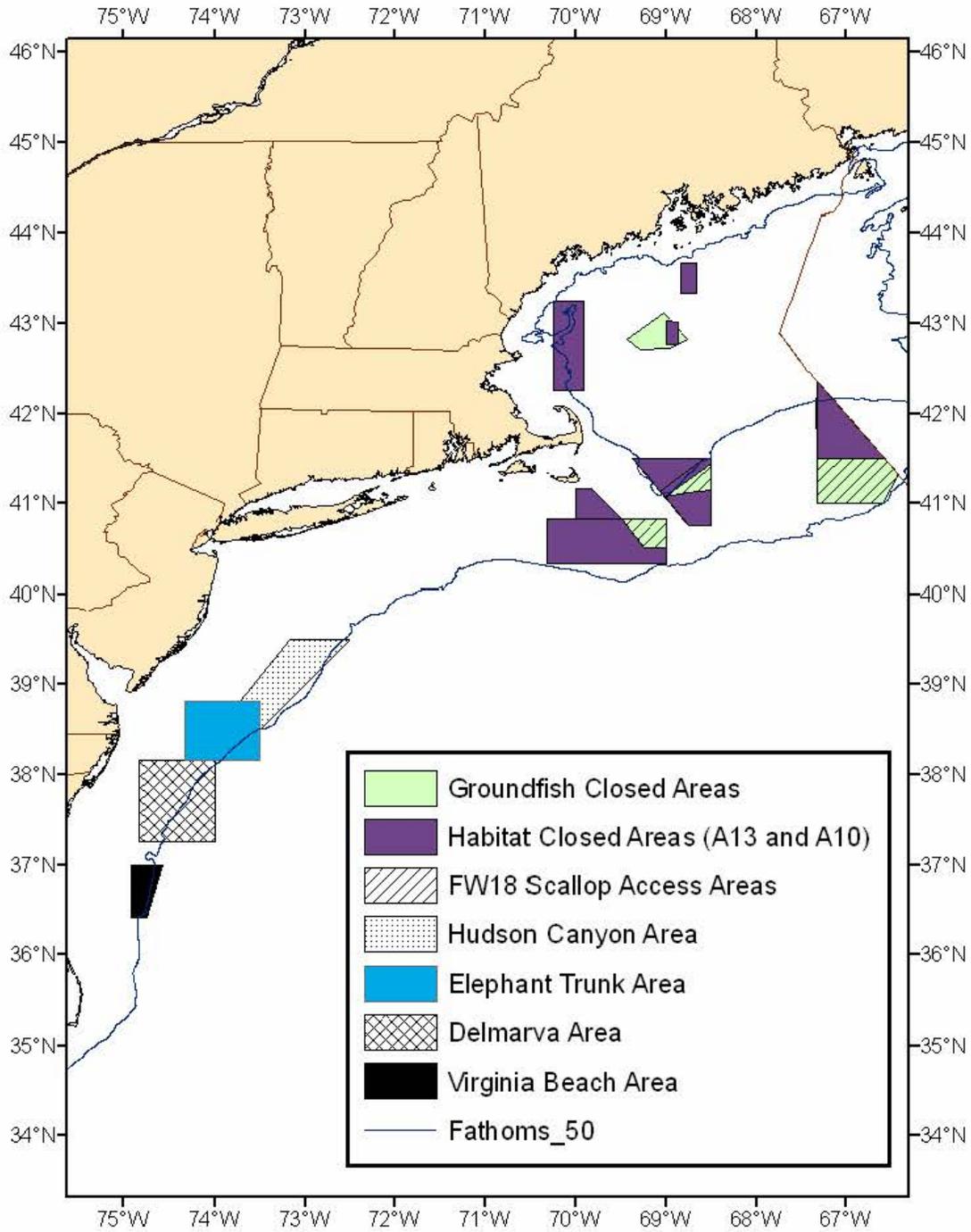
Lastly, the Council plans to initiate Framework 20 at the April 2007 Council meeting. Framework 20 will be a limited action in scope that will extend measures implemented by interim action to prevent overfishing in the 2007 fishing year. At the November 2007 Council meeting the Scallop PDT informed the Council that overfishing is likely to occur in 2007 under status quo measures implemented under Framework 18. The PDT presented several alternatives to reduce fishing mortality and ultimately the Council recommended that NMFS reduce the

allocated number of trips for all scallop permit categories in the Elephant Trunk Access Area (ETA), delay the opening of the ETA, and prohibit vessels from possessing more than 50 bushels of in-shell scallops when leaving any controlled access area. NMFS agreed with the Council that the ETA has an unprecedented high abundance of scallops, which needs to be husbanded with precaution to effectively preserve the long term health of the scallop resource and fishery and implemented these measure by interim action.¹ This interim action became effective on December 22, 2006 and will remain effective until June 20, 2007 (180 days). This action can be extended once more for an additional 180 days, but would then expire by the end of December 2007, and could not be extended by interim action again. Under this scenario, the last two months of the fishing year are left (January-February 2008) and management would revert back to status quo measures under FW18. Specifically higher trips allocations would be granted in the Elephant Trunk Area for both limited access and general category fisheries. Therefore, the Council is considering an action that would extend the reduced fishing effort measures under interim action through the end of the 2007 fishing year. If approved, the action would expire on March 1, 2008, when Framework 19 would be in place. In order for Framework 20 to be in place by the end of December 2007, the Council would have to make final decisions at the June 2007 Council meeting.

This is a supplemental document because Amendment 11 would establish management measures that build off of the original Scallop FMP, for which a final environmental impact statement was completed in 1982. Several management actions, including 10 FMP amendments, and 18 "framework actions" have modified the FMP since 1982 and have been supported with either environmental assessments or supplemental EISs.

¹ The interim rule published by NMFS on December 22, 2006 (**71 FR 76945**) included all measures recommended by the Council, except the prohibition on a vessel leaving an access area with more than 50 bu. of in-shell scallop was limited to the ETA only, not all access areas as recommended by the Council.

Figure 1 – Boundaries for scallop management areas



1.2 PURPOSE AND NEED

The primary need for this action is to implement more effective management measures to control fishing mortality by the general category component of the scallop fishery. The first purpose of this amendment is to consider measures that will address capacity and fishing mortality in the general category fishery and allow the Council to develop alternatives that will more directly control the level of mortality from the general category fleet. This amendment is designed to meet all the requirements of the Magnuson-Stevens Fishery Conservation and Management Act, as well as other applicable laws.

To help focus this amendment during its development, the Council approved policy guidance at the January 2006 Council meeting. This guidance was used during scoping to help define the scope of issues that would be considered during the amendment. Some of this policy guidance has been changed related to statements about overfishing because based on an updated assessment completed in 2006, overfishing is no longer occurring.

The policy guidance reads:

Amendment 11 will focus on addressing capacity in the general category fishery by considering measures that will better control fishing mortality by this component of the fishery. Specifically, the amendment will consider limited entry and implementation of a hard total allowable catch (hard TAC) to prevent overfishing. This amendment will not consider measures that maintain the general category fishery as an open access fishery with input controls as the only mechanism to manage general category effort (i.e. possession limits and crew restrictions).

A secondary need identified for this action is related to allowing for better and more timely integration of sea scallop assessment results in the management process. The scallop fishing year is out of sync with the framework adjustment process and the timing of when survey data become available for analysis. As a result, actions have not been implemented at the start of the fishing year, TACs have been misestimated due to reliance on older data, and extra actions have been required to compensate. Therefore, the second purpose of this action is to consider measures that will address this mismatch to improve timing issues and allow for the use of the most recent data for management of the scallop resource.

1.3 VISION OF GENERAL CATEGORY FISHERY

The Council recognizes that the general category scallop fishery has changed since development and implementation of Amendment 4 in 1994. While some of the participants are the same, many have changed and fishing behavior has evolved with time. The general category scallop fishery has been and still is very diverse. This component of the fishery is prosecuted by vessels of different size and gear types. For example, some general category vessels fish for scallops full-time but only seasonally, another component of the fleet lands scallops above incidental levels while fishing for other species, and some are full-time day boat vessels that target scallops year round.

This action will implement measures that will control capacity and mortality in the general category scallop fishery. In order to accommodate this diverse fleet, this amendment will consider a range of measures that take these differences into account. Specifically, this action is

considering a limited entry program, a hard TAC and other management measures to control capacity and mortality.

The overall intent of this action is to stabilize capacity and prevent overfishing from the general category fishery, and in doing so, the Council's vision of this general category fleet from this point forward is to maintain the diverse nature and flexibility within this component of the scallop fleet. Specifically, the Council intends to consider measures that will control mortality from this component of the fleet, but preserve the ability for vessels to participate in the general category fishery at different levels. This Council recognizes the importance of this component of the fishery for small fishing communities, as a component of overall catch for some individual vessel owners, and the value this "dayboat" scallop product has in the scallop market. Overall, the Council's vision of the general category fishery after Amendment 11 is implemented is a fleet made up of relatively small vessels, with possession limits to maintain the historical character of this fleet and provide opportunities to various participants including vessels from smaller coastal communities.

1.4 NOTICE OF INTENT AND SCOPING

The New England Fishery Management Council published a Notice of Intent (NOI) to announce its intent to develop Amendment 11 and prepare a supplemental EIS to analyze the impacts of the proposed management alternatives on February 6, 2006. The purpose of the NOI was to alert the interested public of the re-commencement of the scoping process and to provide for public participation in compliance with environmental documentation requirements.

The Magnuson-Stevens Act provides a mechanism for identifying and evaluating environmental issues associated with Federal actions and for considering a reasonable range of alternatives to avoid or minimize adverse impacts to the extent practicable. The scoping process is the first and best opportunity for the public to raise issues and concerns for the Council to consider during the development of the amendment. The Council relies on input during scoping to both identify management measures and develop alternatives that meet the objectives of the Scallop FMP.

The Council approved a scoping document at the January 2006 Council meeting. The scoping document was available for the public to use during the scoping period from February 6 – March 6, 2006. Three scoping hearings were held in February 2006 and over 50 written comments were submitted during the scoping period. Comments received during scoping were considered carefully by the Council when developing the management alternatives under consideration in this amendment. A detailed summary of the scoping hearings and written scoping comments received is provided in Section 7.1.2. Appendix I includes copies of all the written scoping comments received.

2.0 GOALS AND OBJECTIVES

The Council has identified two goals and several objectives for Amendment 11 to the Scallop Fishery Management Plan. **The primary goal is to control capacity and mortality in the general category scallop fishery. The secondary goal is to allow for better and more timely integration of sea scallop assessment results in the management process.**

The general category scallop fishery is currently an open access fishery that was created and limited in Amendment 4 when limited access was implemented. Open access means any vessel that wants to apply for a permit can; there are no specific qualifications to receive a general category permit. The main control on mortality for this component of the scallop fishery is a daily possession limit. Since implementation of Framework 17 (December 1, 2005), if a vessel intends to land more than 40 pounds of scallop meats per trip, that vessel is required to have a vessel monitoring system (VMS). If a vessel has VMS it is able to apply for a general category “B” permit, and that vessel can land up to 400 pounds of scallops per trip, rather than up to 40 pounds, the daily limit for general category “A” permits.

Since 1999, there has been considerable growth in fishing effort and landings by vessels with general category permits, primarily as a result of resource recovery and higher scallop prices. This additional effort is likely a contributing factor to why the FMP has been exceeding the fishing mortality targets. Without additional controls on the general category fishery, there is a great deal of uncertainty with respect to potential fishing mortality from this component of the scallop fishery, thus the potential for overfishing is increased. Therefore, this amendment is considering a range of measures to control fishing mortality by this component of the fishery, improving the ability of this plan to prevent overfishing of the scallop resource.

The second goal is to allow for better and more timely integration of sea scallop assessment results in the management process. As stated earlier, the scallop fishing year is out of sync with the framework adjustment process and the timing of when survey data become available for analysis. As a result, actions have not been implemented at the start of the fishing year, TACs have been misestimated due to reliance on older data, and extra actions have been required to compensate. A change in the fishing year is needed to correct for new analytic requirements for framework actions, extra steps in the framework approval process, and the higher uncertainty in area management results caused by using year-old data when the Council develops and analyzes management alternatives.

2.1 OBJECTIVES OF AMENDMENT 11

In order to achieve the two goals described in Section 2.0, the Council has identified the following list of objectives:

1. Allocate a portion of the total available scallop harvest to the general category scallop fishery (Section 3.1.7).
2. Establish criteria to qualify a number of vessels for a limited entry general category permit (Section 3.1.2).
3. Develop measures to prevent the limited entry general category fishery from exceeding their allocation (Section 3.1.2).
4. Develop measures to address incidental catch of scallops while fishing for other species (Section 3.1.8).
5. Determine means to incorporate the most recent sea scallop science and assessment results in management decisions (Section 3.2).

It is understood that when establishing criteria to qualify a number of vessels for a limited entry general category permit (Objective #2), Section 303 (b) (6) of the Magnuson-Stevens Act will guide the decisions made related to qualification criteria. Section 303 (b) (6) reads:

Establish a limited entry access system for the fishery in order to achieve optimum yield if, in developing such system, the Council and the Secretary take into account—

(A) present participation in the fishery, (B) historical fishing practices in, and dependence on, the fishery, (C) the economics of the fishery, (D) the capability of fishing vessels used in the fishery to engage in other fisheries, (E) the cultural and social framework relevant to the fishery and any affected fishing communities, and (F) any other relevant considerations.

3.0 MANAGEMENT ALTERNATIVES UNDER CONSIDERATION

3.1 MEASURES TO CONTROL CAPACITY AND MORTALITY IN THE GENERAL CATEGORY SCALLOP FISHERY (GOAL #1)

3.1.1 No Action

Under this alternative the general category fishery would remain an open access fishery. No changes to the current permit system for the general category scallop fishery would be implemented under this alternative. Currently there are two general category permit types. A Category 1A scallop permit is for vessels that can possess/land and sell up to 40 pounds of scallop meat per trip. These vessels are not required to have VMS unless required by another FMP they have a permit for. Category 1B scallop permits are required to have VMS and are permitted to possess/land and sell up to 400 pounds of scallop meat per trip. There are numerous other restrictions for general category vessels; some are described in the following paragraph.

Both permit types (1A and 1B) restrict the maximum shell height for in-shell scallops that may be landed to 3.5 inches. There are gear requirements for general category vessels including: maximum dredge width restrictions for certain areas, minimum mesh size for any material on the top of any scallop dredge (10-inch square or diamond mesh), minimum ring size of 4-inch on any scallop dredge, link restrictions, a gear stowage and transit requirement when transiting closed areas, and a seasonal turtle chain mat requirement. Unless fishing in a state water exemption program, general category vessels may only harvest scallops from scallop exemption areas or an open access area. There are four exemption areas (GOM exemption area, Great South Channel exemption area, Southern New England exemption area, and the Mid-Atlantic exemption area). Limited access vessels may fish outside a DAS under general category rules (1A or 1B) after making the correct VMS declaration for the specific trip. All scallop vessels are required to fulfill the observer notification requirements to facilitate the deployment of observers.

Rationale: If the Council determines that current regulations are sufficient to control capacity and mortality in the general category fishery then this alternative would be warranted, but it may not be consistent with all the goals and objectives identified by the Council for this action.

3.1.2 Limited Entry (Objective #2 and #3) (Proposed Action)

In order to fish under general category rules a vessel would have to qualify for a limited access general category permit. All other vessels that do not qualify would be permitted to fish for scallops under incidental catch rules, unless this action adopts specific measures for incidental catch as well. The Council recommends three qualification criteria alternatives, three

qualification time periods, two ways to calculate an allocation amount, and seven overall strategies for allocating access to vessels that qualify for a permit. Figure 2 summarizes the various alternatives and depicts how they can be packaged together.

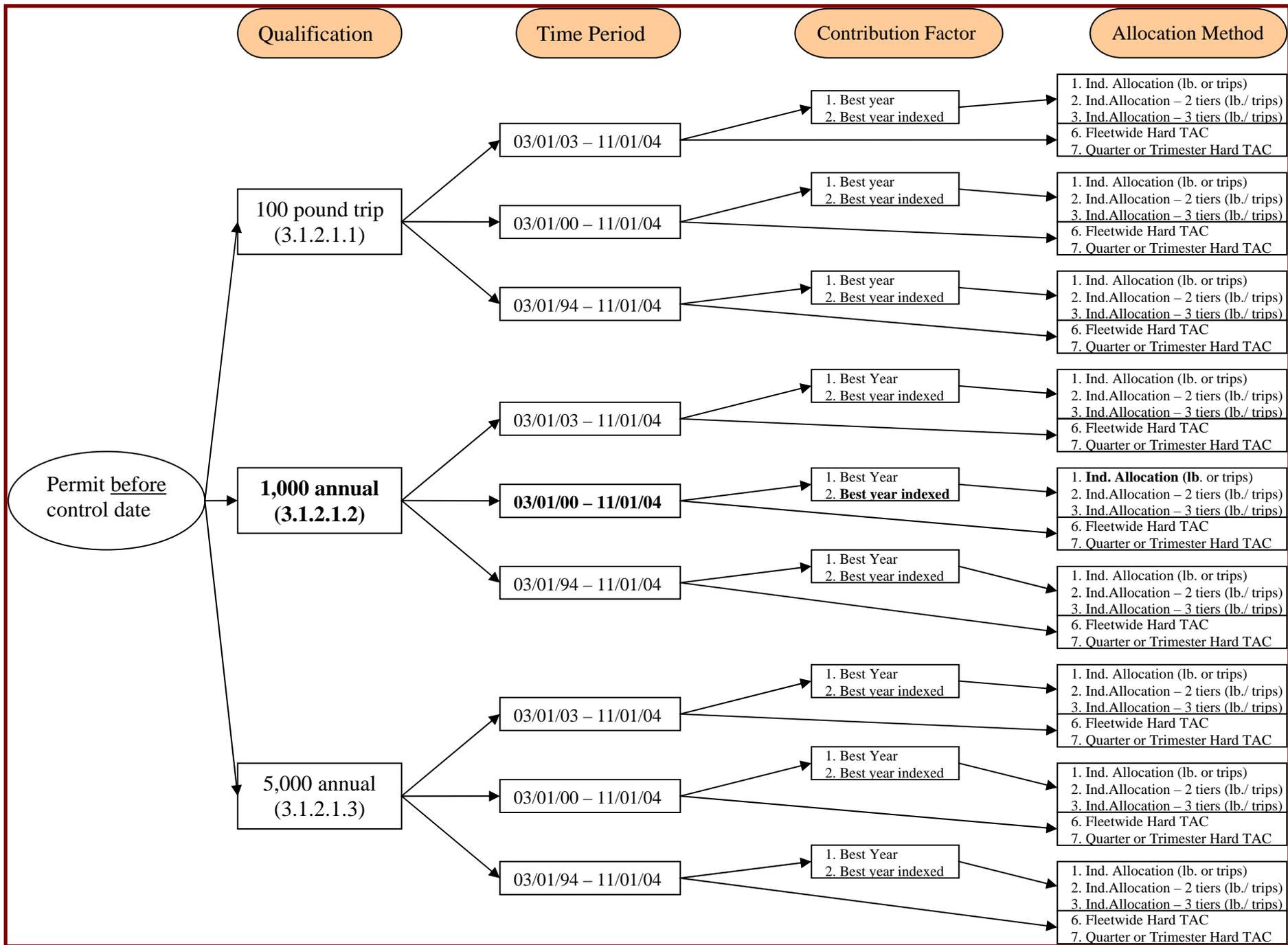
The proposed action includes the 1,000 pound landings criteria during the time period of March 1, 2000 through November 1, 2004. Qualifying vessels will be allocated an individual poundage based on their percent of historical landings from their best year indexed by the number of years they have been active in the general category scallop fishery.

Rationale: This alternative is consistent with the primary goal of this amendment to control capacity and mortality in the general category scallop fishery, as well as Objective #2 to establish criteria to qualify a number of vessels for a limited entry general category permit.

Figure 2 – Summary of alternatives under consideration for a limited entry general category permit (qualification criteria, qualification time period, contribution factor alternatives, and allocation methods)
(Proposed action in bold)

(Note: Two stand alone allocation alternatives are not included in this matrix because the qualification criteria and time periods are specified in the alternative - Alternative 3.1.2.4.4 and Alternative 3.1.2.4.5).

(Figure on the next page)



3.1.2.1 Qualification criteria alternatives

The Council recommended that three qualification criteria alternatives be considered. All three alternatives include having a general category scallop permit before the control date and some level of historical landings criteria. If a vessel meets the criteria selected from this section, and its landings are during the qualification time period selected in Section 3.1.2.2, then it will be considered for a limited access general category permit. Qualifying landings must be from the same year a vessel had a federal general category scallop permit. If a vessel does not meet the criteria selected in this section, it can possess scallops under incidental rules, or even possess/land and sell scallops if an incidental scallop permit is adopted under this action (Alternative 3.1.8.2).

Rationale: Three alternatives were considered. The first, landings of 100 or more pounds of scallop meat on one trip, is intended to include vessels with at least one trip above an incidental level of scallop catch while fishing for most other species. This alternative is the most inclusive. The second alternative is annual landings of 1,000 pounds in any fishing year during the qualification time period selected. The intent of this alternative is to include vessels that would be above an annual level of incidental scallop catch while fishing for other species. The last alternative is annual landings of 5,000 pounds in any fishing year during the qualification time period selected. This poundage was selected as an amount that would further reduce capacity as compared to the other alternatives under consideration, and it is the most restrictive in terms of the number of vessels that could qualify.

3.1.2.1.1 Permit before the control date and landings of 100 pounds or more on any one trip during the qualification time period

In order to qualify under this alternative a vessel would have to have had a permit before the control date (November 1, 2004) and landed at least one trip with 100 pounds or more of scallops (in meat weight). This poundage was selected as an amount that would be above an incidental level of scallop catch while fishing for most other species. A vessel would qualify for a limited access permit if it had a permit before the control date and at least one trip of 100 pounds of scallops or more during the qualification time period selected in Section 3.1.2.2.

3.1.2.1.2 Permit before the control date and annual landings of 1,000 pounds in one or more years during the qualification time period (*proposed action*)

In order to qualify under this alternative a vessel would have to have had a permit before the control date (November 1, 2004) and landed at least 1,000 pounds of scallops (in meat weight) during one fishing year. This poundage was selected as an amount that would be above an annual level of incidental scallop catch while fishing for most other species. A vessel would qualify for a limited access general category permit if it had a permit before the control date and could prove scallop landings above 1,000 pounds in any one year during the qualification time period selected in Section 3.1.2.2.

3.1.2.1.3 Permit before the control date and annual landings of 5,000 pounds in one or more years during the qualification time period

In order to qualify under this alternative a vessel would have to have had a permit before the control date (November 1, 2004) and landed at least 5,000 pounds of scallops (in meat weight)

during one fishing year. This poundage was selected as an amount that would further reduce capacity as compared to the other alternatives under consideration. A vessel would qualify for a limited access general category permit if it had a permit before the control date and could prove scallop landings above 5,000 pounds in any one year during the qualification time period selected in Section 3.1.2.2.

3.1.2.2 Qualification time period alternatives

In addition to the qualification criteria described above, a vessel has to meet the landings criteria during one of the three qualification time period alternatives described below. It is understood that landings criteria (100 pound trip, 1,000 annual pounds, or 5,000 annual pounds) must be from the same fishing year that a vessel had a federal general category scallop permit. This restriction was added to prevent a vessel from having a federal general category permit one year and state water only landings a different year during the qualification time period, potentially qualifying for a federal limited entry general category permit with state water landings.

Rationale: Three qualification time period alternatives were considered. The first March 1, 2003 through November 1, 2004 is the most restrictive, and would include recent participants in the fishery prior to the control date (November 1, 2004). The second alternative is March 1, 2000 through November 1, 2004. This alternative was included to consider more historic activity as well as recent activity. Lastly, March 1, 1994 through November 1, 2004 was included as the third alternative, which is the most inclusive. This alternative includes all fishing years since the general category permit was implemented under Amendment 4 through the control date.

3.1.2.2.1 Historical landings from March 1, 2003 through November 1, 2004

In order to qualify for a permit, a vessel would have to meet the landings criteria during scallop fishing year 2003 or scallop fishing year 2004 (but only through the control date, March 1, 2004 through November 1, 2004). The Council recommends this time period as an alternative that would consider recent participants in the fishery. This time period would include more recent investment and dependence on the fishery. The Council recommends that the last fishing year not extend past the control date, so a vessel would have to have had landings during the first eight months of the scallop fishing year. It was discussed that the qualification time period should be consistent with the control date.

3.1.2.2.2 Historical landings from March 1, 2000 through November 1, 2004 (*proposed action*)

In order to qualify for a permit, a vessel would have to meet the landings criteria during scallop fishing year 2000, 2001, 2002, 2003 or the first eight months of scallop fishing year 2004 (March 1, 2004 through November 1, 2004). The Council recommends this time period as an alternative that would consider more historic activity as well as recent activity in the fishery. This time period would include vessels that may have fished several years ago, but not in the last two years as the alternative above. The Council recommends that the last fishing year not extend past the control date, so a vessel would have to have had landings during the first eight months of the scallop fishing year. It was discussed that the qualification time period should be consistent with the control date.

3.1.2.2.3 Historical landings from March 1, 1994 through November 1, 2004

In order to qualify for a permit, a vessel would have to meet the landings criteria during scallop fishing year 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003 or the first eight months of scallop fishing year 2004 (March 1, 2004 through November 1, 2004). The Council recommends this time period as an alternative that would consider the entire time period from implementation of Amendment 4 when the general category permit was created through the control date. This time period would include the longest time series as compared to the other alternatives. The Council recommends that the last fishing year not extend past the control date, so a vessel would have to have had landings during the first eight months of the scallop fishing year. It was discussed that the qualification time period should be consistent with the control date.

3.1.2.3 Determination of qualification amount (contribution factor)

Once the universe of vessels is identified based on the qualification criteria and time period described above, there are two alternatives for determining a final qualification amount for each vessel. These alternatives identify the historical fishing level, or contribution factor, that will be used to determine how much allocation a vessel will be allocated as a percentage of the total allocation to the general category fishery. One alternative uses a vessel's best year during the qualification time period, and one that uses a vessel's best year but applies an index of years active in the scallop general category fishery. Several other alternatives were considered during the process but were rejected for various reasons, See Section 3.5.1.1.4 for a description of the other contribution factor alternatives that were considered and rejected.

A vessel will not be allocated a certain amount of pounds equal to their historical activity. Rather they will be allocated a percent of the total general category allocation based on their contribution to historical landings. Once each vessel's contribution percentage is determined, their actual allocation will be scaled up or down depending on what overall allocation is selected for the general category fleet. For example, if the qualification amount determined for the entire fleet is below the amount the Council decides to allocate that fleet, all allocations will be scaled up to equal to final allocation for the general category fleet. Conversely, if the individual qualification amounts are added together and they exceed the total allocation the Council has awarded the general category fleet; individual allocation will be scaled down. Furthermore, since projected yield from the scallop fishery will vary, individual or tiered allocations will vary to match the percent allocated to the general category fleet. The percent of the total projected yield will remain constant, but actual poundage will vary.

Rationale: Two alternatives were considered for this section. One alternative is based on landings from a vessel's best year. A second alternative is also based on landings from a vessel's best year but is multiplied by an index factor related to years active in the fishery. The more years a vessel has been active, the higher the index value. This alternative was added as an option that gives more weight to vessels that have been in the fishery longer. Another alternative related to capping a vessel's contribution was added to prevent some potentially miscoded or suspect records over 50,000 pounds from affecting the allocations for other vessels (Alternative 3.1.2.3.3).

3.1.2.3.1 Allocation based on best year

A vessels qualification would be based on scallop landings from its “best year” during the qualification time period. If a vessels best year is the eight months of 2004, which will count as a full fishing year; landings will not be pro-rated for a full fishing year. Keep in mind that the qualification amount per vessel may not actually be the amount a vessel is allocated. A vessels historical landings will determine the percent of general category landings that individual vessel will be awarded. Their allocation may be further scaled up or down annually depending on the projected yield of the scallop resource and the overall allocation percent the Council selects for the general category fishery.

3.1.2.3.2 Allocation based on best year indexed by number of years active in the scallop fishery (*proposed action*)

A vessels qualification would be based on scallop landings from its “best year” during the qualification time period. Landings from that year would then be multiplied by an index that incorporates “years active” in the fishery. Active is defined as landing one or more pounds of scallops. Two options for this alternative are currently being considered in the document. **Option A** would use the following index values; if a vessel was active only one year landings from their best year would be multiplied by 0.9; two years = 0.95; three years = 1.0; four years = 1.05; and five years or more would be 1.10. Overall, this 10% index value was selected to provide an example that would slightly affect an individual’s allocation based on number of years active in the fishery. **Option B** would use the following index values; if a vessel was active only one year landings from their best year would be multiplied by 0.75; two years = 0.875; three years = 1.0; four years = 1.125; and five years or more would be 1.25 (**proposed action**). Overall this option uses a 25% index value for vessels that have been in the fishery five years or more, so their individual contribution amount would be multiplied by a higher weight compared to Option A. These options increase the contribution factor for vessels that have been active in the fishery for several years; the actual amount allocated is not multiplied by the index value, just their contribution amount. A vessels historical landings (multiplied by the index value) will determine the percent of general category landings that individual vessel will be awarded. Their allocation may be further scaled up or down annually depending on the projected yield of the scallop resource and the overall allocation percent the Council selects for the general category fishery.

3.1.2.3.3 Cap of 50,000 pounds for individual contribution factor

Once the contribution factor is determined for each vessel using any of the alternatives above (Alternatives 3.1.2.3.1 through 3.1.2.3.2) this alternative would cap the contribution factor at 50,000 pounds. Only several vessels have more than this value based on the “best year” analysis of preliminary data. Even though these records have been reviewed, in some cases it is not certain what could have caused the records to be much higher than the possession limit. In some cases these few entries impact the allocation of other vessels, so putting a cap on the contribution factor will prevent some of these potentially miscoded or suspect records from affecting the allocations for all other vessels. This amount was identified as an appropriate level to cap the contribution factor at, so a vessel’s contribution factor could not exceed 50,000 pounds if this alternative is selected. A vessel could be allocated more or less than this amount depending on the projected yield of the scallop resource and the overall allocation percent the Council selects for the general category fishery.

3.1.2.4 Allocation of access for general category limited access qualifiers

Once the universe of vessels is identified, and their individual qualification is determined the Council recommends that several alternatives be considered for allocation. The first system is an individual allocation; an individual amount in pounds (**proposed action**) or total number of trips would be awarded to individuals vessels that qualify. The second system would also be an individual allocation, but there would be two permit types (part-time and full-time). The part-time permit would have a reduced possession limit of 200 pounds, and the full-time permit category would have a possession limit of 400 pounds. All vessels that qualify would receive an equal allocation in pounds or total number of trips depending on which tier they qualify for. The third alternative is a tiered permit system; all vessels that qualify for each tier would receive an equal allocation in pounds or total number of trips, all with a 400 pound possession limit. A fourth stand alone alternative was developed, which is also an individual allocation but access is in quota and is transferable. In addition, all vessels that had a permit before the control date would be given a permit, not just vessels that had landings during the qualification time period. However, a permit that did not have landings history would not be allocated specific access to the fishery, but would be permitted to lease or buy quota from another vessel. This alternative allows individual allocations to be leased. Lastly, the Council recommends that an alternative that allocated a fleetwide hard TAC be analyzed, rather than an individual based system. In addition, a seasonal hard-TAC was considered by quarter or trimester (Alternative 3.1.2.4.7).

Rationale: The Council considered several different strategies of access to the general category fishery in combination with limited access. One alternative is an individual allocation for each qualifying vessel. An individual poundage (**proposed action**) or number of trips would be allocated to each qualifying vessel. This alternative was included as a strategy that would provide flexible access to the fishery for varying levels of participation; every vessel would be allocated access based on their individual level of effort during the qualification time period selected. Under this alternative there is an option to modify the possession limit to 2,000 pounds rather than 400 pounds per trip. This option was included to consider an option that increases flexibility for participants in terms of landings per trip. It may be more cost effective for a vessel to harvest their individual allocation in more than 400 pound trips, so this option was added for consideration. The Council did want to include some possession limit to keep this permit type separate from the existing limited access permit type, where there is no daily possession limit.

There are two additional individual allocation alternatives with different permit types and tiers. One alternative has both a full time and part time permit with different possession limits; this alternative was developed to have one permit type for vessels that have more investment and dependence on the general category fishery, and the second permit type was intended to be for qualifiers that land scallops more incidentally while fishing for other species. The third alternative is also an individual allocation alternative, but there would only be three different allocation amounts (in pounds or number of trips) based on tiers, rather than individual access levels per vessel. This alternative was developed to consider an option that allocated access on an individual basis, but reduced the variation in allocation among qualifiers; only three different allocations would be granted under this alternative, full-time, part-time and occasional, similar to how the limited access scallop fishery. The poundage or number of trips would be the same for all vessels in each tier or permit category.

There are two stand alone allocation of access alternatives. Alternative 3.1.2.4.4 is an individual based allocation, but the intent of this alternative is to award a limited access general category permit to all vessels that had a general category permit from fishing year 2000 through the control date, regardless of landings history. However, specific access to the fishery would be based on historical landings, but if a vessel did not fish and did not land scallops during the qualification time period it would be given a permit and the right to lease or purchase quota from another qualifying vessel. This alternative is more of an individual *transferable* quota system open to all vessels that had a permit from 2000 through the control date. Alternative 3.1.2.4.5 is also a stand alone alternative with specific qualification criteria, and it is intended to be an alternative that uses limited entry, but does not allocate access on an individual basis, rather a fleetwide TAC is set on a quarterly basis and all qualifiers have equal access to the resource until the TAC is reached.

Lastly, there are two hard TAC alternatives that use limited entry but similar to Alternative 3.1.2.4.5 described above, access is not allocated on an individual basis. One alternative is a fleetwide hard TAC for the entire fishing year, and one alternative is a fleetwide hard TAC broken down by quarter. These two alternatives were considered to utilize limited entry but not allocation on an individual or tiered permit system, all qualifying vessels would have the same access rights to the general category TAC.

3.1.2.4.1 Individual allocation for all qualifiers (*proposed action*)

Every vessel that qualifies for a permit based on the qualification criteria, time period, and determination approach would be allocated an individual allocation in pounds (**Option A**) (*proposed action*) or total number of trips (**Option B**). The allocation would be scaled depending on estimated projected yield and the percent that is allocated to the general category fleet in this action. It is possible that all qualifiers could receive a different amount. Furthermore, depending on the qualification criteria, qualification time period and which determination of qualification amount alternative is selected, the number of vessels and individual percent allocations will vary. This alternative maintains the 400 pound possession limit. Alternative 3.1.2.4.1.3 below would increase the possession limit to 2,000 pounds per trip under this alternative. The Council recommends that NMFS round allocations to the nearest ten pound unit if that is determined to improve monitoring and compliance.

For example, if individual allocation were based on the average pounds from the best three years for each vessel from the last 5 fishing years (2000-04, up to the control date), the sum of shares for the qualifiers would be around 2.0 million lbs. In this case, minimum allocation would vary between 35 lb. to 1,696 lb. depending on the qualification criteria (100 pound trip or 5,000 annual pounds) and the maximum allocation would be around 43,000 lb for all three qualification amount alternatives, based on a 2.0 million pound overall allocation.

3.1.2.4.1.1 Cost recovery program

Under both the SFA and reauthorized Magnuson Act of 2007 the agency is mandated to collect up to 3% of ex-vessel value of landed product to cover actual costs directly related to enforcement and management of an individual fishing quota program (Section 304 (d)(2) of the Magnuson-Stevens Act). Since the proposed action will include an allocation of individual quota (based on a percent of total general category catch), the Secretary is authorized and shall collect

a fee to recover the actual costs directly related to the management and enforcement of any individual fishing quota program. The fee shall not exceed 3% of the ex-vessel value of fish harvested under such program. During development of Amendment 11 the Council learned that the preliminary estimates of the cost recovery program for the surf clam quota program, which is also subject to this requirement, were about \$50,000 to monitor and manage that quota program. The Council discussed that a cost of this magnitude would outweigh the drawbacks of allocating in 400 pound trip units.

This action is not required to specify the details of the cost recovery program, but it is understood that a future framework or other appropriate vehicle will specify how the Secretary will collect a cost recovery fee for this individual fishing quota program. The Council will either develop the specific program through a framework action, or the Agency will develop and implement such details in consultation with the Council.

3.1.2.4.1.2 Requirement for a referendum vote under IFQ programs

In Section 303A (c)(6)(D) of the MS-Act reauthorized in 2007 there is a provision for a required referendum vote for new individual fishing quota programs in New England. This provision however, has a “transition clause” of six months after the date the Act was reauthorized (January 12, 2007). So since the Council selected final measures for this individual fishing quota program before the date this provision became effective (July 11, 2007) there is no requirement for a 2/3 referendum vote. The Council has been developing this action since early 2006 and allocation in individual pounds was the final recommendation of the general category advisors.

3.1.2.4.1.3 Modify the 400 pound possession limit to 2,000 pounds per trip

This alternative is only being considered if individual allocations are allocated for limited access general category qualifiers. Any vessel that qualifies would be permitted to land up to 2,000 pounds per trip, regardless of trip length. For clarification, if Alternative 3.1.2.4.1 is selected but allocation is granted in number of trips (Option B) rather than poundage (Option A) and this option is selected, a vessel would be permitted to land up to 2,000 pounds per trip and it would only be charged one trip. Each trip would count as one trip regardless of the total landings up to 2,000 pounds. But if Option A was selected (in pounds) a vessel could be charged up to 2,000 pounds per trip depending on what the vessel landed.

3.1.2.4.2 Individual allocation for two permit types (part-time and full-time)

Every vessel that qualifies for a permit based on the qualification criteria, time period, and determination approach would be allocated an individual allocation in pounds (**Option A**) or total number of trips (**Option B**). The major difference between this alternative and the previous one is that under this alternative there would be two permit types. A vessel would qualify for a full-time permit if they had landings of 5,000 pounds or more in one fishing year during the qualification time period. If Option A is selected, a vessel would be permitted to catch that amount in as many trips as they want with a maximum possession limit of 400 pounds per trip if allocated in pounds. If allocated in number of trips, those vessels would only be allowed to fish up to the total number of trips allocated per vessel in that tier (with a 400 pound maximum per trip).

Another permit type would exist for vessels that meet the criteria to get a limited access permit, but have not had more than 5,000 pounds of scallops in one year. These vessels would get a part-time general category permit and would be allocated individual poundage or number of trips based on their historical activity, but would be restricted to a 200 pound possession limit. Again, these vessels could land as much as they want on any one trip, but not in excess of 200 pounds.

The final allocation in pounds or trips to all vessels in either tier would be scaled depending on estimated projected yield and the percent that is allocated to the general category fleet in this action. Furthermore, depending on the qualification criteria, qualification time period and which determination of qualification amount alternative is selected, the number of vessels and individual percent allocations will vary. See Table 72 for a description of the potential qualifiers and average allocations per permit type under the different qualification alternatives.

3.1.2.4.3 Individual allocation – equal allocation for three tiered permits

Every vessel that qualifies for a permit based on the qualification criteria, time period, and determination approach selected in previous sections would be allocated access to the fishery, but their allocation would be based on a tiered permit system. A tiered permit system would be developed based on landings (best year or best year indexed by years in the fishery) from the qualification time period for vessels that had a permit before the control date. In order to qualify for a certain tier a vessel would have to show landings within that tier for one year only during the qualification time period. The current possession limit of 400 pounds per trip would be maintained for all three tiers. Three tiers would be considered:

Tier 1: 20,000 pounds and above;

Tier 2: 5,000 – 19,999 pounds;

Tier 3: 100 – 4,999 pounds

(Note that the lower tier would adjust based on the qualification criteria selected. For example, if the 1,000 pound criteria were selected then Tier three would be 1,000 – 4,999 (not starting at 100 pounds). Similarly, if the 5,000 pound qualification criteria were selected, then there would only be two tiers (5,000 to 19,999 and 20,000 and above).

See Table 144 for a description of the potential qualifiers and average allocations per tier under the different qualification alternatives.

Option A – Allocation in equal pounds per tier

Each vessel that qualifies for a certain tier would get an equal allocation in pounds. That allocation would be based on the average pounds per vessel in the tier, but scaled, depending on estimated of projected yield and the percent that is allocated to the general category fleet in this action. The percent of the total general category allocation that each tier would receive would depend on their historical share of total general category landings.

Option B – Allocation in equal number of trips per tier

Each vessel that qualifies for a certain tier would get an equal allocation in number of trips. That allocation would be based on the average pounds per vessel in the tier, but access would be allocated based on the number of 400 pound trips that average is closest to. For example, if the

average for tier 3 is 2,500 pounds that would equal 6 trips (400 pounds X 6 trips = 2,400). A vessel would be permitted to land up to 400 pounds per trip, but each trip would count as 400 pounds; the vessel would not be permitted to land part of 400 pounds on more than one trip. The total number of trips allocated would be scaled, depending on estimated of projected yield and the percent that is allocated to the general category fleet in this action. The percent of the total general category allocation that each tier would receive would depend on their historical share of total general category landings.

3.1.2.4.4 Stand alone alternative - Individual transferable quota

The Scallop Committee developed a stand alone qualification and allocation alternative. The intent of this alternative is to award a limited access general category permit to all vessels that had a general category permit from fishing year 2000 through the control date, regardless of landings history. However, specific access to the fishery would be based on historical landings, but if a vessel did not fish and did not land scallops during the qualification time period it would be given a permit and the right to lease or purchase quota from another qualifying vessel. A vessel would also be permitted to lease/sell part of their allocation. The specifics of the alternative are described in the bullets below:

- Any vessel that held a general category permit in any year between 2000 and the control date (November 1, 2004) would qualify for a limited access general category permit.
- Quota would be allocated on an individual basis using any of the qualification amount strategies (best year or best year indexed by years active).
- Quota may be leased or sold to another qualified limited access general category permit.
- Consolidation will be capped at (1%-5%) of quota (in pounds) per vessel.
- Retaining a 400 pound possession limit for all vessels that qualify.
- All purchases and sales of quota need to be in writing and within a fully automated system. Also any leases or purchases of quota must be between vessels within the same vessel baseline (if that measure is approved).

This alternative only has two variations depending on how individual qualification amounts are determined (best year or best year indexed by years active). The qualification criteria and time period are defined in the alternative (permit in any one year between FY2000 and the control date, November 1, 2004).

3.1.2.4.5 Stand alone alternative - Quarterly hard TAC with limited entry

This alternative would include a limited entry program for vessels with a general category permit before the control date and some level of landings that would determine which permit they qualify for. A vessel would qualify for a 200 pound permit if they landed 100-5,000 pounds in any fishing year from March 1, 1994 – November 1, 2004. A vessel would qualify for a 400 pound permit if they landed over 5,000 pounds in any one fishing year from 1994-2004. Qualifying vessels in either category could possess up to 200 or 400 pounds per trip (depending on the category they qualify for) and fish under a quarterly hard TAC. All vessels would have equal opportunity to fish, no individual or tiered allocation would be awarded.

Once the TAC is reached in that quarter all vessels can only possess up to 40 pounds of scallop meats per trip. This alternative was developed at the September 13 Committee meeting as an alternative that would combine limited entry but would not allocate access in pounds or trips to

each qualifying vessel. Rather the fishery would be managed under a quarterly hard TAC, and vessels would be limited to the possession limit of their permit category. Once the quarterly hard TAC is reached, the fishery would close for both permit types. Vessels could then fish under incidental rules, unless they are changed under this action as well. Table 2 describes the seasonal distribution of scallop landings by general category vessels from 2000 through 2005. The average for the years combined is roughly 24% for Quarter 1, 39% for Quarter 2, 23% for Quarter 3 and 14% for Quarter 4. Similar percentages could be considered for the quarterly hard TACs under this alternative. Once a quarterly hard TAC is reached, all vessels (current limited access and limited access general category vessels) could possess scallops under incidental rules, unless that provision is changed in this action.

3.1.2.4.6 Fleetwide hard-TAC under limited entry

A hard TAC would be developed for the general category fleet of the fishery. Under this alternative, only vessels that qualify for a limited access general category permit would be permitted to fish for scallops up to 400 pounds per trip. Based on the criteria and time period selected, a specific universe of vessels would qualify for a limited access general category permit. Those vessels would then have equal access to the resource; no individual or tiered allocations would be awarded. When the Regional Administrator projects that TAC is going to be reached, the fishery would close. All vessels (current limited entry and limited entry general category vessels) would be permitted to land scallops under incidental rules after the hard TAC is reached, unless this action changes that provision.

3.1.2.4.7 Fleetwide hard-TAC by quarter/trimester under limited entry

A hard TAC would be developed for the general category fleet of the fishery. Under this alternative, only vessels that qualify for a limited access general category permit would be permitted to fish for scallops up to 400 pounds per trip. A quarterly/trimester TAC would be set using data from FY2001-2006 to identify the appropriate percentage that should be allocated for each quarter/trimester. That percent per quarter/trimester would be applied to the total TAC awarded to the general category fishery. It is understood that the percent per quarter/trimester could vary per year based on new landings data and future projections. For example, if there are a series of years with anomalous landings, the PDT and Council can adjust future quarterly TACs. Unused TAC from one quarter/trimester would roll-over to a later quarter/trimester in the same fishing year, similar to what is done in the squid fishery (i.e. if quota from the first quarter is not caught, the remaining quota would roll over into the third quarter; if there is unused TAC at the end of the fishing year it does NOT roll-over into the next fishing year). Similarly, if there are any overages, they will be reduced in subsequent quarters and the TAC for the following year will be reduced by that amount the following fishing year if the fishery exceeded the annual TAC. The first quarter/trimester would start on March 1 (unless this action changes the start of the fishing year). When the Regional Administrator projects that the quarterly/trimester TAC is going to be reached, the fishery would close until the start of the next quarter/trimester. Once a quarterly/trimester hard TAC is reached, all vessels (current limited access and limited access general category vessels) could possess scallops under incidental rules, but could not sell them under their general category permit. However, that provision is under consideration in this action and may be changed to prevent vessels from fishing under incidental rules.

Option A

Based on preliminary analysis of all general category landings from the dealer database, landings from Quarter 1 and 3 are similar, Quarter 2 is the highest and Quarter 4 is significantly lower. Table 2 describes the seasonal distribution of scallop landings by general category vessels from 2000 through 2005. The average for the years combined is roughly 24% for Quarter 1, 39% for Quarter 2, 23% for Quarter 3 and 14% for Quarter 4. The percent of landings from each quarter is relatively consistent since 2001, but there seems to have been a shift toward Quarter 2 (June to August) in recent years as compared to landings from 1994 through 1999, and the high landings during Quarter 4 for FY2000 are rare. The DSEIS will include a range of percentages to consider once landings from dealer data as well as landings from just qualifying vessels are examined.

Table 2 - Seasonal distribution by quarter of landings by general category vessels (Dealer data FY2001-06)

FISHYEAR	Q1.Mar-May	Q2.June-Aug.	Q3.Sept.Nov.	Q4.Dec. to Feb.
2001	20%	52%	14%	14%
2002	35%	38%	15%	11%
2003	28%	43%	22%	6%
2004	17%	45%	24%	14%
2005	17%	44%	26%	13%
2006	34%	43%	11%	13%*
All years	25%	44%	19%	12%

*Estimated using dealer data for March 2006- Dec.2006.

Option B

Based on preliminary analysis of all general category landings from the dealer database, landings from Trimester 1 and 2 are similar (just over 40%) and the last trimester is closer to 16%. Table 3 describes the seasonal distribution of scallop landings by trimester for general category vessels from 2001 through 2006. The percent of landings from each trimester is relatively consistent, but landings from trimester 3 have increased in recent years. The DSEIS will include a range of percentages to consider once landings from dealer data as well as landings from just qualifying vessels are examined.

Table 3 - Seasonal distribution by trimester of landings by general category vessels (Dealer data FY2001-06)

FISHYEAR	T1. Mar-Jun	T2.Jul-Oct.	T3.Nov to Feb
2001	46.8%	37.0%	16.2%
2002	50.0%	35.8%	14.1%
2003	40.4%	48.5%	11.1%
2004	31.5%	48.9%	19.6%
2005	29.9%	51.0%	19.1%
2006	48.0%	33.9%	18.1%*
All years	41.1%	42.5%	16.4%

*Estimated using dealer data for March 2006- Dec.2006.

3.1.2.5 Limited entry permit provisions

This amendment considered measures to govern activities such as vessel sales, limited access permit transfers, permit splitting, changes to vessel size, and establishment of vessel baselines to

evaluate changes to vessel size. These measures would apply to all general category permits that qualify for limited access if limited access is adopted under Amendment 11. Unless noted, the provisions under consideration in this section are consistent with those in other limited access fisheries in the Northeast region.

Rationale: During the 1990s, a number of limited access programs were developed in the Northeast region to address the unrestricted growth in the number of commercial vessels fishing for several species. These programs were developed over a period of years, and a variety of approaches were chosen to address important activities such as vessel sales, limited access permit transfers, permit splitting, vessel size and horsepower upgrades, ownership restrictions and the establishment of vessel baseline specifications. Therefore, in 1998, NMFS and the Councils developed a set of amendments to these management programs to establish a consistent approach to these activities in all of the limited access programs. This action, known as the Consistency Amendment, established a single set of regulations in 1999 to standardize the administration of the limited access permit programs. It is understood that this action (Amendment 11) will be consistent with the Consistency Amendment unless noted in this section.

3.1.2.5.1 Fishing History and Permit Transfers

Initial Eligibility: Consistent with other limited access programs established by the Council, initial eligibility for a general category scallop limited access permit must be established during the first year after the implementation of Amendment 11. In other words, the general category scallop limited access permits may not be applied for more than twelve months following the effective date of the final regulations for this action, unless NMFS determined that the application time period should be shorter to improve overall implementation of this program. The Council recommends that NMFS shorten the application period to 90 days. This was suggested as a reasonable length of time for a vessel to apply for a permit and it would help reduce the transition time to a limited entry program.

Use of NMFS Landings Data for Eligibility and Contribution Factor Determination: To prove that a vessel is eligible for the general category scallop limited access program under any landings criteria established through Amendment 11, applicants would have to submit third-party verification of landings history, such as dealer receipts. Since it is difficult to determine the reason some dealers report making purchases from general category vessels landing in excess of 400 pounds for a trip, the Council recommends that NMFS cap landings per trip at 400 pounds for qualification purposes and contribution factor. Landings in excess of 400 pounds could increase future allocations for some vessels, and reduce future allocation for other vessels. Also, a vessel may qualify with illegal landings if it landed more than 400 pounds on a trip and the landing appears in the dealer database. Limited access eligibility will be based on landings in the dealer database. The process would allow a vessel owner to provide information to demonstrate that NMFS relied on incomplete data to deny eligibility and/or limit contribution factor and would be able to verification to disprove the reason for truncating the landings. During the appeal process, if there is controversy over qualification, the Council recommends that NMFS apply/incorporate VTR data with dealer data for qualification purposes.

Landings data from the dealer database will also be used for qualification of limited access vessels for a limited access general category permit. To be clear, limited access vessels do not have a general category permit, so landings for these vessels will be from trips the vessel was not on a DAS (i.e. landings less than 400 pounds per trip). NMFS may later confirm that trips under 400 pounds were on a DAS or not, but for analysis purposes in this action, all trips less than 400 pounds were considered to be landings outside a limited access DAS.

Confirmation of permit history (CPH) for initial general category scallop limited access permit qualification: The owner of a qualifying vessel that has sunk, been destroyed, or been transferred to another person without the general category scallop fishing history but not yet replaced, would be required to apply for a Confirmation of Permit History (CPH) within the first year after the implementation of Amendment 11.

A vessel that sank or was destroyed can meet the “control date” eligibility requirement for a general category scallop limited access permit if it possessed a Federal general category scallop permit before November 1, 2004 (in at least one year during the qualification time period selected). Similarly, an individual who sold a vessel that possessed a Federal general category scallop permit before November 1, 2004, but who retained the general category scallop history through a written agreement signed by both parties in the vessel sale or transfer, can meet the “control date” eligibility requirement for a limited access permit. See Section 3.1.2.5.7 for more discussion of CPH provisions.

Appeals of denial of permit: An appeals procedure will be developed similar to that established for previous limited access programs. An applicant who has been denied a general category scallop limited access permit may appeal in writing to the Regional Administrator within 30 days of the denial. Any such appeal must be based on the grounds that the information used by the Regional Administrator was based on incorrect data, must be in writing, and must state the grounds for the appeal.

Appeal review: The Regional Administrator will appoint a designee who will make the initial decision on the appeal. The appellant may request a review of the initial decision by the Regional Administrator by so requesting in writing within 30 days of the notice of the initial decision. If the appellant does not request a review of the initial decision within 30 days, the initial decision is the final administrative action of the Department of Commerce. Such review will be conducted by a hearing officer appointed by the Regional Administrator. The hearing officer shall make findings and a recommendation to the Regional Administrator, which shall be advisory only. Upon receiving the findings and the recommendation, the Regional Administrator will issue a final decision on the appeal. The Regional Administrator’s decision is the final administrative action of the Department of Commerce.

Status of vessels pending appeal: A vessel denied a general category scallop limited access permit may fish for scallops, provided that the denial has been appealed, the appeal is pending, and the vessel has on board a letter from the Regional Administrator authorizing the vessel to fish under general category scallop limited access restrictions. The Regional Administrator will issue such a letter for the pendency of any appeal. Any such decision is the final administrative action of the Department of Commerce on allowable fishing activity, pending a final decision on

the appeal. The letter of authorization must be carried on board the vessel. If the appeal is finally denied, the Regional Administrator shall send a notice of final denial to the vessel owner; the authorizing letter becomes invalid 5 days after receipt of the notice of denial.

3.1.2.5.1.1 No Action

The No Action alternative would maintain the restriction in the permits section of all of the Northeast Region (NER) fishing regulations that prevents a vessel from using its history to qualify more than one vessel for a limited access permit, even when the histories involve different fisheries. Under current restrictions, which would be applied to general category scallop permits under this alternative, a vessel that has a general category history and a limited access eligibility in another fishery, cannot be used to qualify one vessel for a limited access general category scallop permit and another vessel for a different limited access fishery. If a seller retained the rights to another limited access fishery to apply to another vessel, and the buyer and seller agreed that the general category scallop history transferred to the buyer with the sale of the vessel, this alternative would prohibit the buyer from using that general category history to qualify the vessel, or a replacement. The buyer would have to develop its own general category history on the vessel in order to qualify for a limited access general category scallop permit.

This provision would be consistent with other fisheries with limited access permit programs and would mirror the Council's decision in Amendment 1 to the Herring FMP.

3.1.2.5.1.2 One vessel potentially qualifying two permits (*proposed action*)

This alternative would permit one vessel to qualify two limited access general category permits if the following applies: *If a vessel owner that sells his permits to another vessel, but retains the general category scallop history on the purchase and sales agreement, the "seller" should be able to qualify for a permit. The "buyer" cannot qualify under that history; however, if the buyer qualifies under its own landings after the sale but during the qualification period the buyer could be granted a permit as well. This applies to vessels that sold a vessel with only an open access general category permit and/or a vessel with other limited entry permits. Specifically, the current policy used under the Consistency Amendment would not apply; an individual that retained history would be permitted to qualify for a permit and fish under general category on a different vessel.*

Other than this scenario, or unless the Regional Administrator determines otherwise, no more than one vessel may qualify, at any one time, for a limited access permit or CPH based on that or another vessel's fishing and permit history. If more than one vessel owner claims eligibility for a limited access permit or CPH, based on one vessel's fishing and permit history, the Regional Administrator will determine who is entitled to qualify for the permit or CPH.

Rationale: During scoping it was raised that vessels have sold their vessel and permits but retained their open access general category history in the purchase and sales agreement. While in the past this open access history has not been considered for a limited access permit when separated from the vessel, in this case the Council is considering an alternative that would allow the "seller" to qualify for a permit if the history was retained. To prevent two permits being

formed from one vessel, a stipulation was added that the “buyer” cannot qualify unless they have landed their own qualification since the date of purchase.

3.1.2.5.2 Vessel Upgrades

3.1.2.5.2.1 Option 1 (no upgrade restriction) (*proposed action*)

There would be no vessel upgrade restrictions. A vessel that qualifies for a limited access general category permit can replace their vessel to any size, or refit their vessel without any horsepower, gross tonnage or length restrictions. It is understood that if this alternative is selected, but a vessel is under another FMP with a vessel upgrade restriction, those restrictions would still apply.

3.1.2.5.2.2 Option 2 (10:10:20 upgrade restriction)

A vessel may be upgraded, whether through refitting or replacement, and be eligible to retain or renew a general category scallop limited access permit, only if the upgrade complies with the following:

- (1) The vessel’s horsepower may be increased only once, whether through refitting or replacement. Such an increase may not exceed **20 percent** of the horsepower of the vessel’s baseline specifications, as applicable.
- (2) The vessel’s length, GRT, and NT may be increased only once, whether through refitting or replacement. Any increase in any of these three specifications of vessel size may not exceed **10 percent** of the vessel’s baseline specifications, as applicable. If any of these three specifications is increased, any increase in the other two must be performed at the same time. This type of upgrade may be done separately from an engine horsepower upgrade.

3.1.2.5.2.2.1 Establishing Vessel Baselines

If an upgrade restriction is adopted, then establishing a vessel baseline would be necessary. A vessel’s baseline refers to those specifications (Length Overall, Gross Registered Tons, Net Tons, and Horsepower) from which any future vessel size change is measured. Consistent with the other limited access programs that established baselines at the time they were initially implemented, the vessel baseline specifications for vessels that qualify for a limited access general category permit will be the specifications of the vessel that was initially issued a limited access permit as of the date that the initial vessel applied for such permit. The first vessel issued a limited access general category permit, even through replacing another vessel’s eligibility, would be the “baseline vessel”. If vessel upgrades are not implemented under this action, this measure is not relevant.

3.1.2.5.3 Vessel Replacements (*proposed action*)

The term *vessel replacement*, in general, refers to replacing an existing limited access vessel with another vessel. In addition to addressing increases in vessel size and horsepower, the consistency amendment also established a restriction that requires that the same entity must own both the limited access vessel (or fishing history) that is being replaced, and the replacement vessel. In order to maintain consistency with the other regional limited access programs, this provision will be adopted for the general category scallop limited access program.

3.1.2.5.4 Stacking of Permits or consolidation of access privileges

The Council considered several alternatives for “stacking” or allowing vessels to consolidate access privileges on one vessel (in pounds or trips). It was assumed that the 400 pound possession limit would still be in effect even if stacking is approved unless Alternative 3.1.2.4.1.3 (with the IFQ alternative) is approved (alternative to modify the possession limit restriction to 2,000 pounds per trip).

The Council clarified several aspects of the “stacking” alternatives at the final Council meeting in June 2007. First, the alternatives in this section, namely the proposed action to allow a vessel to stack up to 2% of the total general category allocation on one vessel is for limited access general category vessels only. These alternatives do not apply to current limited access vessels that may also qualify for a general category permit under this action. Current limited access vessels would not be permitted to stack or consolidate general category poundage on one vessel above what they are allocated. Second, it was clarified that stacking or consolidation of allocated poundage could be on a permanent or temporary basis (annually). Third, a vessel could only lease/sell their entire allocation, not a portion of their general category allocation. Last, when a vessel wants to permanently stack a limited entry general category permit it must also either transfer all other federal limited access permits or permanently cancel such permits.

3.1.2.5.4.1 No Action

An individual would not be permitted to stack limited access general category permits onto one vessel. Only one permit could be used per vessel. If an individual qualifies for more than one permit, (i.e. an individual currently owns more than one vessel that qualifies for limited entry) he/she must fish those permits on different vessels.

Rationale: This is currently in place for all other limited access programs in this region.

3.1.2.5.4.2 Allow stacking limited to two permits

A vessel that qualifies for more than one limited access general category permit, or leases/purchases additional quota (if permitted in this action) would be permitted to stack their allocation onto one vessel. For example, if an individual currently owns two vessels and both qualify for a general category permit, that individual would be permitted to stack their access privileges onto one vessel. This alternative is not specific to permit type or amount of quota. So conceivably, two permits with the largest allocation could be stacked, and two permits with the smallest allocation could be stacked.

Rationale: This alternative was developed to allow some level of stacking, but to limit the level of potential consolidation to two permits. It was discussed that if many vessels qualify for a limited access permit and allocations are low, the Council may want to consider some level of stacking to allow vessels to consolidate to increase flexibility and reduce operational costs.

3.1.2.5.4.3 Allow stacking up to 60,000 pounds or 150 trips per vessel

This alternative would allow a vessel to stack up to 60,000 pounds or 150 trips (depending on how access is allocated) onto one vessel. This amount was identified as a “full-time” amount of general category scallop landings or number of trips on an annual basis. Therefore, if an individual has three vessels that qualify; Vessel A with 20,000 pounds, Vessel B with 30,000 and

Vessel C with 40,000 pounds; that vessel could stack the quota from Vessel A and B, Vessel A and C, but not Vessel B and C because it would be in excess of 60,000 pounds. Table 153 compares the impacts of this stacking alternative.

Rationale: This alternative was developed to allow some level of stacking, but to limit the level of potential consolidation to 60,000 pounds or 150 trips (depending on how access is allocated) per vessel. During development of this action, this level of landings was identified as a level of effort for a “full-time” general category vessel.

3.1.2.5.4.4 Allow stacking up to 2% of total general category allocation per vessel (proposed action)

This alternative would allow a vessel to stack up to 2% of the total general category allocation per vessel. For example, if 3.0 million pounds is allocated to the general category fishery then one vessel is not permitted to have more than 60,000 pounds per vessel. The maximum poundage permitted per vessel will change from year to year depending on what the total general category allocation is, but the 2% maximum restriction will remain the same. So if the total allocation became 2.0 million the following year, the maximum stacking restriction per vessel would be 40,000 pounds.

Rationale: This alternative was developed to allow some level of stacking, but to limit the level of potential consolidation to 2% of the entire general category allocation per vessel. Current estimates of scallop catch are about 50 million, so 5% of that value (5% is the proposed action for general category allocation) is 2.5 million pounds or 50,000 pounds per vessel. Fifty-thousand pounds is less than the highest landings per vessel in the dealer database now, but if total landings were restricted to 2.5 million pounds 2% would provide some level of consolidation to increase flexibility for participating vessels.

3.1.2.5.5 Voluntary Relinquishment of Eligibility (proposed action)

The consistency amendment included a provision to provide a mechanism for a vessel owner to voluntarily exit a limited access fishery. In some circumstances, it could allow vessel owners to choose between different permits with different restrictions without being bound by the more restrictive requirement (e.g., lobster permit holders may choose to relinquish their other northeast region limited access permits to avoid being subject to the reporting requirements associated with those other permits). If a vessel’s limited access permit history for the general category scallop fishery is voluntarily relinquished to the Regional Administrator, no limited access permit for that fishery may be reissued or renewed based on that vessel’s history or to any other vessel relying on that vessel’s history. IN addition, if a vessel does not renew their permit annually that limited entry in effect is relinquished indefinitely under this program.

3.1.2.5.6 Permit Splitting (proposed action)

The consistency amendment established a measure that requires limited access permits issued to a vessel to stay together with the vessel as a “package.” They may not be split apart and distributed among other vessels by making a vessel replacement because that would increase overall fleet capacity. Therefore, all limited access permits must be treated as a “package” for the purposes of vessel replacement or for the purposes of limited access permit retention when a vessel is sold or transferred. The general category scallop limited access program will adopt this

restriction upon implementation of Amendment 11; therefore, a vessel could not sell a limited access general category permit separately from other limited access permits the vessel may have.

3.1.2.5.7 Permit Renewals and Confirmation of Permit History (CPH) (*proposed action*)

Continued Eligibility: This section refers to permit renewals and CPH once a vessel qualifies for a limited access general category permit. A vessel owner must maintain the limited access permit status for an eligible vessel by renewing the permits on an annual basis or applying for issuance of a CPH. A CPH is issued to a person who does not currently own a fishing vessel, but who has legally retained the fishing and permit history of the vessel for the purpose of transferring it to a replacement vessel at a future date. Annual renewal is considered important in establishing participants who have an active interest in maintaining their ability to participate in a limited access fishery, and conversely allowing permits to lapse and be cancelled for those who do not. The CPH is important in this regard because it provides a benefit to a vessel owner by securing a vessel history through a registration system.

Therefore, to be eligible to receive a general category scallop limited access permit, a vessel must have been issued a general category limited access permit in the preceding year, be replacing a vessel that was issued a general category scallop limited access permit for the preceding year, or be replacing a vessel that was issued a confirmation of permit history (CPH – see below). If a vessel's limited access permit history is cancelled through failure to renew or otherwise, no limited access permit for that fishery may be reissued or renewed based on that vessel's history or to any other vessel relying on that vessel's history.

All general category scallop limited access permits would be issued on an annual basis by the last day of the fishing year for which the permit is required, unless a CPH has been issued (see below). Application for such permits must be received no later than 30 days before the last day of the fishing year.

Confirmation of permit history (CPH): A person who does not currently own a fishing vessel, but who has owned a qualifying vessel that has sunk, been destroyed, or transferred to another person, must apply for and receive a CPH if the fishing and permit history of such vessel has been retained lawfully by the applicant. To be eligible to obtain a CPH, the applicant must show that the qualifying vessel meets the eligibility requirements for the general category scallop limited access permit in question. Issuance of a valid CPH preserves the eligibility of the applicant to apply for a limited access permit for a replacement vessel based on the qualifying vessel's fishing and permit history at a subsequent time. If fishing privileges have been assigned or allocated previously under this part, based on the qualifying vessel's fishing and permit history, the CPH also preserves such fishing privileges. A CPH must be applied for in order for the applicant to preserve the fishing rights and limited access eligibility of the qualifying vessel.

An application for a CPH must be received by the Regional Administrator no later than 30 days prior to the end of the first full fishing year in which a vessel permit cannot be issued. Failure to do so is considered abandonment of the permit. A CPH will remain valid until the fishing and permit history preserved by the CPH is used to qualify a replacement vessel for a limited access permit. Any decision regarding the issuance of a CPH for a qualifying vessel that has applied for or been issued previously a limited access permit is a final agency action subject to judicial

review. Information requirements for the CPH application are the same as those for a limited access permit. Vessel permit applicants who have been issued a CPH and who wish to obtain a vessel permit for a replacement vessel based upon the previous vessel history may do so pursuant to the relevant upgrade restrictions.

3.1.2.5.8 Percentage Ownership Restriction

3.1.2.5.8.1 No Action

Qualifiers would not be constrained by a maximum percent ownership restriction. An individual or corporation would not be restricted by a maximum percent ownership restriction.

3.1.2.5.8.2 Maximum of 1-5% of total general category allocation (*proposed action*)

This alternative would establish some maximum that would be determined later based on the number of vessels that qualify for a general category permit. The DSEIS considered a range of (1-5%) because the number of permits that are likely to qualify was unknown until the final decision was made at the June Council meeting. **After the Council selected a final recommendation that would qualify approximately 369 vessels, the Council selected 5% as the final proposed action for the percentage ownership restriction provision.** This restriction would prevent an individual or corporation from having ownership interest in more than 5% of the total general category allocation. It was pointed out during development of this alternative that if an individual or corporation owns more than the limit when the plan is implemented, they would be grandfathered in. **Table 153** compares the impacts of this percentage ownership restriction range. This provision will not impact current limited access vessels because they are already restricted to a maximum ownership restriction of 5% of limited access permits.

3.1.2.5.9 Multispecies permit restriction would not apply (*proposed action*)

This section was included to clarify that vessels that qualify for a limited entry general category scallop permit would not be restricted by the regulations under the multispecies plan that prohibit a vessel from having both a limited access multispecies permit and a limited access scallop permit. Amendment 5 to the Multispecies FMP prohibited a vessel from having both unless that vessel qualified as a combination vessel. If limited entry is adopted under Amendment 11 for the general category fishery a vessel would be permitted to have both a limited access multispecies and limited access general category scallop permit. Since fishing under general category rules has been a component of fishing activity for many multispecies vessels, the current multispecies permit restriction should not apply for a limited access general category permit. Therefore, if a limited access multispecies vessel qualifies for a limited access general category permit, that vessel would not have to relinquish their multispecies permit.

3.1.2.6 Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear

Rationale: The measures in this section were developed to consider alternatives that would reduce incentive for qualifying vessels to target scallops with trawl gear. One option would reduce the potential expansion of vessels to target scallops using trawl gear because it would only allow vessels that qualify with trawl gear to fish with trawl gear under a limited entry general category scallop permit. Another alternative would reduce the possession limit for

qualifying vessels that use trawl gear to provide incentive to switch to dredge gear. A third alternative would allow qualifying vessels to use trawl gear but would indirectly limit it to vessels targeting other species. Specifically, scallops could only be 5% of the total regulated species onboard.

3.1.2.6.1 No Action (*proposed action*)

All limited access general category qualifiers would be permitted to use trawl gear and land up to 400 pounds of scallop meat per trip, unless restricted by other FMPs (such as the scallop exemption areas under the NE Multispecies FMP). All limited access general category qualifiers would be allowed to use trawl gear to fish for scallops and could land up to 400 lb. of scallop meats per trip, or other possession limit if adopted (e.g. 200 pounds for part-time permit or up to 2,000 pounds per trip for alternative under consideration for individual allocation only (Alternative 3.1.2.4.1.3)

3.1.2.6.2 Prohibit a vessel from switching to trawl gear if it qualified under dredge gear

If a vessel qualifies for a limited access general category permit while using dredge gear, it would be prohibited from switching to net gear. Specifically, if a vessel used dredge gear at all to fish for scallops during the qualification time period, that vessel would qualify for a dredge only permit. Likewise, this permit would not be able to be sold to a vessel that plans to catch scallops with trawl gear. Once a permit is given to a vessel that qualified using dredge gear that access to the fishery would be restricted to dredge gear only. If a vessel qualifies for a trawl permit they would be permitted to land up to 400 pounds of scallop meat per trip using trawl gear, or other possession limit if adopted (e.g. 200 pounds for part-time permit or up to 2,000 pounds per trip for alternative under consideration for individual allocation only (Alternative 3.1.2.4.1.3)

3.1.2.6.3 Lower possession limit for vessels that qualify for a limited access general category permit and fish with trawl gear

This alternative would reduce the incentive to fish for scallops using trawl gear, but provide some level of landings to reduce scallop bycatch for vessels that fish with a trawl for other species and catch scallops incidentally. The Scallop PDT reviewed available data and provided the alternatives below as possible “lower possession limit” alternatives.

The Scallop PDT analyzed VTR data from 2005 for trips landing scallops with trawl gear. Most trips where scallops were landed using trawl gear were targeting other species; however there are a number of vessels that target scallops using trawl gear. In summary, when general category vessels with trawl gear were targeting other species like groundfish, monkfish, skate, squid and scup, about 50% of the trips landed less than 300 pounds per trip. In fact, for many of the other species, average scallop landings were lower. Table 4 summarizes the average scallop landings per trip by target species for general category vessels using trawl gear. Based on these preliminary analyses the Scallop PDT recommended the following two alternatives (250 and 300 pounds) as a reduced possession limit to reduce the incentive to fish for scallops using trawl gear.

3.1.2.6.3.1 Reduced possession limit of 250 pounds of scallop meat (31.25 bu.)

3.1.2.6.3.2 Reduced possession limit of 300 pounds of scallop meat (37.5 bu.)

Table 4 - Percentiles of scallop landings per trip by target species for general category vessels using finfish trawls.

Target species or group	Trips	Vessels	Percentile						
			5%	10%	25%	50%	75%	90%	95%
Yellowtail flounder	152	68	50	60	114	231	369	400	400
Groundfish	163	69	45	50	65	100	150	380	400
Summer flounder	178	59	50	63	111	300	340	394	400
Skate	37	18	68	80	100	273	396	400	400
Monkfish	91	54	50	50	100	206	347	400	400
Scallops	2778	84	50	220	300	300	398	400	400
Scup	14	6	26	31	79	275	324	400	400
Loligo	9	7	59	73	150	300	300	314	342
Lobster	1	1	*	*	*	*	*	*	*
All	3423	203	50	97	286	300	395	400	400
All but scallops	645	160	50	50	90	180	340	400	400

3.1.2.6.4 A limited access general category qualifier can fish with trawl gear, but scallops can not be more than 5% of total regulated species onboard

A vessel can use trawl gear and land up to 400 pounds of scallop meat per trip if they qualify for a limited entry general category permit, but scallop meat cannot be more than 5% of total weight of regulated species onboard. [Note: if a different possession limit is adopted under this action (e.g. 200 pounds for part-time permit or up to 2,000 pounds per trip for alternative under consideration for individual allocation only (Alternative 3.1.2.4.1.3), then 5% of that amount would be permitted. Regulated species (excluding sea scallops) includes all species managed under an FMP in New England and the Mid Atlantic (including species managed under the Atlantic Bluefish FMP, Atlantic Herring FMP, Atlantic Salmon FMP, Red Crab FMP, Squid Mackerel and Butterfish FMP, Monkfish FMP, Multispecies FMP, Skate FMP, Dogfish FMP, Summer flounder, Scup and Black Sea Bass FMP, Surfclam and Ocean quahog FMP, and Tilefish FMP). Species such as croaker are not technically a regulated species, so that species would not apply to the 95% of regulated species required onboard.

3.1.2.7 Sectors and Harvesting Cooperatives

3.1.2.7.1 No Action

A process for future sector allocations in the general category scallop fishery would not be established in Amendment 11.

3.1.2.7.2 Establish a process for sectors in the general category scallop fishery (*proposed action*)

This alternative would establish a process for the creation of fishing “sectors” and the allocation of TAC shares to the sectors. Groups may be formed around common fishing practices, common homeport or landing port, common fishing area, common marketing arrangements, etc. This section provides details on eligibility criteria, operations plan elements, monitoring and enforcement of sectors, allocation rules, and other related issues. How the sector chooses to harvest its allocation could include a wide range of arrangements, including, but not limited to, a

plan that simply sub-divides the TAC or a measure of effort among the vessels. While Amendment 11 was being developed the Council formed a Sector Committee to develop overall sector policies for this region. The Sector Committee developed a series of principles that were later approved by the Council to guide sector management. Any individual interested in applying for a general category scallop sector in the future should review and consider the approved principles when developing a sector application. In addition, the Council recommends for the time being that the 400 pound possession limit remain in effect for all vessels that apply to participate in a sector.

Rationale: The purpose of establishing this process is to allow greater opportunities for fishery participants to proactively engage in resource governance, to provide greater flexibility for participants, to guide the appropriate development of capacity, and, last, to create outcomes that are more socially and economically relevant for fishing groups within the biological limitations of the fishery (TACs).

3.1.2.7.2.1 Participation

Only vessels with limited access general category permits are eligible to form sectors. Sectors are self-selecting, meaning that participation in a sector is voluntary, and that a set of mutually agreed upon vessels are eligible to participate. Any interested group that meets the eligibility criteria can submit a proposal for a sector. To initiate the process of sector creation, a group (two or more) of permit holders must agree to cooperate and submit a binding plan for management of that sector's allocation of TAC. Vessels electing to enter a sector are expected to cooperate and decide how to manage the allocation. Vessels that do not choose to participate in a sector will remain in the competitive "common pool" fishery and will fish under the un-allocated TAC(s).

Participation by non-limited access general category vessels in the sector is subject to approval by the Council as part of the action that implements the sector allocation, provided the details of such participation are specified in the sector's operations plan; however at this time the Council does not endorse participation by non-limited access qualifiers, but will consider it if part of an actual proposal. The harvest of a sector allocation may not be limited only to sector members. A sector operations plan may specify that the sector will contract with non-sector vessels to harvest the sector allocation. In this case, if the Council endorses this approach, the landings history of the contracted vessels would not be used in the calculation of future sector shares, the contracted vessels may not build scallop catch history for themselves, and the operations plan will specify the contract details that will bind the contractor vessel to the rules of the sector.

3.1.2.7.2.2 Formation of a Sector – Operations Plan

A group that wants to form a sector and receive an allocation is required to submit a legally binding operations plan to the Council, which will ultimately require approval from the NMFS Regional Administrator. The operations plan must be agreed upon and signed by all members of the sector and, if approved, will constitute a contract.

The operations plan submitted by a self-selecting sector will be required to have, at a minimum, the following components:

- A list of all participants;

- A contract signed by all participants indicating their agreement to abide by the operations plan;
- An entity name, address, phone number, and the name and contact information for a sector representative (a manager or director) that NMFS can contact regarding sector management issues;
- A plan explaining how the sector will harvest its allocation, including contracts and methods to inform NMFS of changes in those arrangements over the year;
- The original distribution of catch history of vessels in the sector (maintaining vessel data confidentiality);
- A plan detailing how the sector will avoid exceeding its allocated TACs – this plan should include provisions for monitoring and enforcement of the sector regulations, including documentation of both landings and discards;
- Rules for entry to and exit from the sector, including sanctions and procedures for removing members for contract violations;
- Procedure for notifying NMFS if a member is no longer part of the sector for specified reasons;
- A process through which the operations plan can be amended by sector members (i.e., how the sector will make decisions to amend their operations plans);
- If the sector plans to contract for harvesting services with vessels other than those in that sector (see Monitoring, Enforcement, Transparency), details of such arrangements should be described in the operations plan;
- An appropriate NEPA document assessing the impacts of forming the sector is also required and must be submitted to NMFS through the Council – the development of the NEPA document is the responsibility of the applicants.

3.1.2.7.2.3 Sector Review, Approval, and Revocation

A sector will submit its operations plan and NEPA document to the NMFS Northeast Regional Office and the Council no less than one year prior to the date that it plans to begin operations. The Council will consider this plan in the course of the periodic framework adjustment or specification process and may, if approved, implement it through either of those processes. After Council approval of a sector, the details of its operation will be primarily addressed between the sector and NMFS, although the Council will review and provide comment on these details.

The Regional Administrator may withdraw approval of a sector, after consultation with the Council, at anytime if it is determined that sector participants are not complying with the requirements of an approved operations plan or that the continuation of the operations plan will undermine achievement of fishing mortality objectives of the Sea Scallop FMP. Withdrawal of approval of a sector may only be done after notice and comment rulemaking as prescribed by the Administrative Procedure Act.

A sector is required to resubmit its operations plan to the NMFS Regional Office by a specific date (to be determined later based on final decision in this action on date of fishing year) every year, whether or not the plan has changed. NMFS may consult with the Council and will solicit public comment on the operations plan for at least 15 days, through proposed rulemaking in the *Federal Register*. Upon review of the public comments, the Regional Administrator may

approve or disapprove sector operations, through a final determination consistent with the Administrative Procedure Act.

3.1.2.7.2.4 Allocation of TAC to Sectors

The sector allocations represent a percentage share of TAC(s), not absolute amounts. TACs are established through the fishery specification process, which is currently a biennial process. If declining stock conditions or other factors result in the need to reduce fishing mortality, the TACs will likely be reduced accordingly. In this case, the sector's percentage share of the TAC will not change, but the amount of TAC (pounds of scallop meat) that this share represents may decrease due to reduced TACs. The same is true if the TACs increase for any reason. The calculations used in determining a sector's share are based on a vessel's qualification amount (depending on which alternative is selected that could be their best year or best year indexed by years active in the fishery).

Sector Share Determination

Sector shares cannot be calculated until NMFS makes its final determination of vessels eligible for limited access under the provisions of this amendment. When a sector proposal is submitted, NMFS will verify the qualification landings levels per vessel wanting to join a sector. The averages for vessels wanting to join a particular sector will be added together and divided by the sum of the qualification average. When this fraction is multiplied by 100, the result is the sector's percentage share of the TAC (see example below).

Membership Changes

If a pre-existing sector accepts a new member, the percentage share brought to the sector is based on that vessel's average qualification landings at the time it joins the sector (i.e., the vessel is treated as a 'sector of one' and a share based on the appropriate adjusted TACs is calculated. This new single-vessel-sector share is added to the pre-existing sector). If a vessel leaves a sector, that sector's share is reduced by the individual vessel share the exiting vessel had when it joined the sector.

Interaction Between Sectors

A vessel may not be a member of more than one sector.

Illustrative Example

Assumptions:

- 720 vessels qualify for a limited access general category permit;
- 10 vessels wish to form a sector in 2010;
- Total TAC for the general category fishery is projected to be 5.0 million pounds in 2010;
- The sum of the sector vessels' qualification average is 100,000 pounds (2%) of general category allocation.

This sector would be allocated 100,000 pounds in 2010. The remaining 4,900,000 pounds would be allocated to the rest of the limited access general category permit qualifiers in the "common pool".

3.1.2.7.2.5 Monitoring, Enforcement, and Transparency

It will be the responsibility of each sector to track its activity and enforce any provisions adopted through procedures established in the operations plan and agreed to through the sector contract. Therefore, sector contracts should describe graduated sanctions including grounds for expulsion.

Once a vessel enters into a sector, it cannot fish during that fishing year under the regulations that apply to the common pool. Additionally, vessels cannot shift from one sector to another during a single fishing year. Therefore, if a vessel leaves a sector for whatever reason, it cannot participate in the general category scallop fishery during the remainder of that fishing year.

For the purposes of enforcement, a sector is a legal entity that can be subject to NMFS enforcement action for violations of the regulations pertaining to sectors. Vessels operating within a sector would be responsible for judgments against the sector. Sector operations plans will specify how a sector will monitor its landings to assure that sector landings do not exceed the sector allocation. At the end of the fishing year, NMFS will evaluate landings using VMS, and any other available information to determine whether a sector has exceeded any of its allocations based on the list of participating vessels submitted in the operations plan. If a sector exceeds its TAC, the sector's quota will be reduced by the overage in the following year, and the sector may be subject to additional enforcement action. If the sector exceeds its TAC more than once, the sector's share may, after consultation with the Council, be reduced or the sector's authorization to operate will be withdrawn by NMFS.

3.1.2.7.2.6 Trading

Permanent or temporary transfers of quota between sectors or between sector and non-sector participants are not permitted. For purposes of harvesting a sector allocation only, vessels under contract to a sector are assumed to be part of that sector for the duration of that contract.

3.1.2.7.2.7 Movement Between Sectors

A vessel can only participate in one sector during a fishing year. Once a vessel elects to be in a sector or fish in the common pool for a given area, that vessel must remain with the sector or common pool for that area for the rest of the fishing year. Each sector will set its own rules on movement into and out of the sector.

3.1.2.7.2.8 Other Provisions

If a sector is approved, the Regional Administrator shall issue a Letter of Authorization to each vessel operator and/or owner belonging to the sector. The LOA shall authorize participation in the sector operations and may exempt participating vessels from one or more Federal fishing regulations as appropriate. The LOA also may include requirements and conditions deemed necessary to ensure effective administration of and compliance with the operations plan and the sector's allocation.

3.1.2.7.2.8.1 Possession limit restriction

The Council supports maintaining the 400 pound possession limit for vessels in a sector. For the time being, the Council will not approve an application for a sector program if it includes removal or increase in the 400 pound possession limit. Currently the Council supports the 400 pound possession limit to maintain the nature of the general category fishery.

3.1.2.7.2.9 Measures to address “Excessive shares”

National Standard 4 of the Magnuson-Stevens Act states that:

“If it becomes necessary to allocate or assign fishing privileges among various United States fishermen, such allocation shall be... carried out in such manner that no particular individual, corporation, or other entity acquires an excessive share of such privileges.”

NOAA’s guidelines on the *avoidance of excessive share* portion of this standard (see 50 CFR Ch. VI: 600.325) state that “an allocation scheme must be designed to deter any person or other entity from acquiring an excessive share of fishing privileges, and to avoid creating conditions fostering inordinate control, by buyers or sellers, that would not otherwise exist.”

Neither the language in National Standard 4 nor the NOAA guidelines specifically define “excessive share.” A GAO report on Individual Fishing Quotas (GAO report # GAO-03-159) recommends that the NOAA develop guidance on factors to consider when regional councils define what would constitute an excessive share in future IFQ programs. In response to the GAO recommendation, NOAA agrees but notes that caps are not necessarily appropriate in all new IFQ fisheries. NOAA also stated that it will conduct research to provide guidance on the three categories of factors: (1) market effects, (2) distributional issues, and (3) equity considerations.

3.1.2.7.2.9.1 20% maximum allocation per sector (*proposed action*)

One sector could not be allocated more than 20% of the total general category allocation. Council decided to include this alternative to be consistent with the sector program in the multispecies plan. The maximum percent value could be changed in a future framework, perhaps after the Council considers an overall sector strategy; which it may do in the near future.

Rationale: This option was included to consider a maximum allocation per sector that would be consistent with the other sector management program in the region (Multispecies FMP). This amount may be revisited if and when the Council convenes a Committee in 2007 that is expected to develop standards and principles for sector management.

3.1.2.8 Interim measures for transition period to limited entry

Previous limited entry programs allowed one year for vessels to apply for a permit after the action is implemented. In addition, vessels can appeal for a permit if denied one and/or wish to appeal their awarded allocation for another period of time. It is possible to shorten the application and appeals process, but even so, the ultimate pool of participants in a limited entry general category program will not be known until about 18-24 months after the action is implemented (i.e. FY2010). In addition, since this action considers allocating access to qualifying vessels as a percentage of the total scallop catch allocated to the general category sector, until the final universe of vessels is known, the percent of access (in pounds or trips) per vessel can not be determined with certainty since additional vessels may qualify under the appeals process. The Council is considering two alternatives for interim measures until a limited entry and allocation program could fully be implemented.

3.1.2.8.1 Transition to limited entry alternative with a hard-TAC (*proposed action*)

This alternative would implement the limited entry program first, and then phase in the individual allocation part of Amendment 11 (if adopted) until the final universe of vessels is known. Vessels would be identified as qualifying vessels and they would be permitted to fish under existing general category rules until a temporary hard-TAC of 10% of the total projected annual scallop catch was reached. Vessels that had a permit before the control date and appeal for a permit would be permitted to fish under the hard-TAC as well. No other vessels would be permitted to fish for scallops under general category during this transition period to limited entry. Once the final universe of vessels is known, then the other components of this program could be implemented like allocation of TAC to the general category fishery and allocation of access to qualifying vessels.

If limited access vessels (current full time, part-time and occasional vessels) are permitted to qualify for a limited entry general category permit under Amendment 11, a similar approach would be taken for these vessels. Since scallop landings from this component of the fishery have been considered under general category scallop catch in the past, it would make sense that these qualifying vessels (and any under appeal) could also fish under the interim 10% TAC for general category.

Option A – quarterly hard-TAC (*proposed action*)

The Council decided to recommend the 10% hard-TAC be divided into quarterly TACs to reduce derby fishing. The quarterly hard-TACs will be based on historical general category landings from FY2000-2004. It is assumed that the details of this interim quarterly hard-TAC will be similar to the quarterly hard-TAC developed in Amendment 11 (Alternative 3.1.2.4.7).

Rationale: Since implementing a limited entry program usually takes time this alternative would provide a way to control mortality and capacity in the general category fishery until the program could be fully adopted. Amendment 11 includes analyses of several hard-TAC options combined with limited entry (on an annual basis, by quarter, or trimester). While there may be some short-term negative consequences of a hard TAC on qualified vessels, this alternative would control overall mortality and impacts would be temporary. The Council selected 10% because that is a value that has been used in recent projections for scallop mortality in the projection model. In the last few years the Scallop PDT has assumed that about 10% of available catch would be landed by general category vessels based on recent trends in landings and stock condition. The Council decided to recommend this level for the interim transition period to limited entry to reduce impacts on current general category vessels; this number is not an indication of what the Council will ultimately select for the allocation decision in Section 3.1.7 (Allocation between limited access and general category fisheries). Furthermore, the Council recommended that the TAC be divided by quarter to reduce derby fishing.

3.1.2.8.2 Transition to limited entry alternative without a hard-TAC

This alternative would implement the limited entry program first, and then phase in the individual allocation part of Amendment 11 (if adopted) until the final universe of vessels is known. Vessels would be identified as qualifying vessels and they would be permitted to fish under existing general category rules (i.e. possession limit of 400 pounds, VMS, etc.) Vessels that had a permit before the control date and appeal for a permit would be permitted to fish under

existing general category rules as well. No other vessels would be permitted to fish for scallops under general category during this transition period to limited entry. Once the final universe of vessels is known, then the other components of this program could be implemented like allocation of TAC to the general category fishery and allocation of access to qualifying vessels.

If limited access vessels (current full time, part-time and occasional vessels) are permitted to qualify for a limited entry general category permit under Amendment 11, a similar approach would be taken for these vessels. Since scallop landings from this component of the fishery have been considered under general category scallop catch in the past, it would make sense that these qualifying vessels (and any under appeal) could also fish under general category rules during the interim transition to limited entry.

Rationale: Since implementing a limited entry program usually takes time this alternative would provide a way to control mortality and capacity in the general category fishery until the program could be fully adopted. While vessels would be permitted to fish an unlimited number of general category trips during this transition time period, the number of vessels that could potentially fish is reduced, thus capacity and mortality is somewhat controlled. Amendment 11 includes analyses of the No Action alternative, which would have negative impacts as compared to limited entry, but these impacts are temporary for the transition period only.

3.1.3 Hard Total Allowable Catch (Hard TAC)

One option to control mortality in the general category fishery aside from limited entry is implementing a hard total allowable catch limit. If this action does not implement a limited entry program for the general category fishery, a hard total allowable catch limit could be adopted, which would close fishing to that component of the fishery once a certain limit was reached. The TAC in future years for this component of the fishery would depend on the alternative the Council selects for Section 3.1.7, allocation between limited access and general category fisheries. The range that is being considered is 2.5 to 11% of the total annual scallop catch, or the No Action alternative.

Under this alternative, a hard TAC would be developed for the general category fishery, and when the Regional Administrator projects that TAC is going to be reached, the fishery would close. If this alternative were selected the general category fishery would be managed by current input controls (possession limit) and a hard TAC. Once the Regional Administrator estimates that the fleet-wide hard TAC is projected to be caught, the general category fishery would close. The hard TAC would be based on the alternative selected for Section 3.1.7, allocation between limited access and general category fisheries. The range that is being considered is 2.5 to 11% of the total annual scallop catch, or the No Action alternative.

Rationale: This alternative is consistent with the primary goal of this amendment to control mortality in the general category scallop fishery; capacity would still be an issue.

3.1.4 Establish a Northern Gulf of Maine Scallop Management Area (NGOM)

During development of this action there has been considerable discussion of establishing a separate management system for general category scallop fishery in the Gulf of Maine. There are several reasons why the Council decided that this area should be managed separately. First, most of the landings from the NGOM area designated by the Council were from Maine state waters so management in the EEZ component of the fishery needs to be as compatible with state management regulations as possible. Second, this fishery was traditionally fished, to a very large extent, by small boats that were engaged in other fisheries such as the lobster or groundfish fisheries during different seasons and that fish only seasonally for scallops. As a result, the Council considered local access to the scallop resource by small vessels important to the continuation of fishing communities in Maine New Hampshire and Massachusetts.

Furthermore, it is not clear how the scallop resource in the Gulf of Maine interacts with the scallop resource to the south. It is much smaller in size and has not been included in the scallop surveys or stock assessments to date and therefore has never been a factor in setting target effort or removal rates under the Scallop FMP. Finally, boats from outside the GOM historically fished in this area only when scallops were depleted in other areas and abundant in the GOM. More recently, the improved management and abundance of scallops in the major resource areas on Georges Bank and in the Mid-Atlantic region has made access to GOM scallops less important for the limited access boats and general category boats from other regions. As a result, a separate management program from Scallop in the NGOM is unlikely to have any impact on these vessels.

3.1.4.1 No Action

No specific measures would be considered for the Northern Gulf of Maine. Whatever is adopted under Amendment 11 would apply to the Northern Gulf of Maine; no separate limited entry program would be considered for that area.

3.1.4.2 Amendment 11 would not apply to the Northern Gulf of Maine

If this alternative is selected by the Council then any measures adopted in Amendment 11 pertaining to controlling capacity and mortality in the general category fishery would not apply to waters in either: **Option A** - the GOM exemption area north of 42°20N (See Figure 3 – hatched area north of 42°20) or **Option B** – waters in the EEZ north of 43N. An open access permit to fish for scallops under general category would remain for this area, and a vessel could land up to 400 pounds of scallops per trip if they have VMS (IB permit). Any vessel from any area would be permitted to apply for and fish under an open access NGOM general category permit. A hard TAC would be established for this area and if reached vessels would be limited to possession of up to 40 pounds of scallop meats after the TAC was reached. The Scallop Committee recommends that the hard TAC for this area include scallop landings in both federal and state waters. The actual TAC for this area would be defined in future framework actions based on information about the status of the resource in that area. The PDT will recommend a hard TAC and the Council will consider it in each biennial framework. To give the Council a sense of what the PDT would most likely base the TAC on below is some information that could be used to set the hard TAC. For example, the historical average of GOM landings from the data used in the scallop assessment for 2000-2005 is 0.62 million pounds. The Scallop PDT recommends that amount be reduced by a certain percentage (i.e. 20%) to prevent overfishing,

enable rebuilding of the scallop resource within the Gulf of Maine, and to account for the fact that most areas offshore in the NGOM that have supported scallop fishing in the past are now closed within habitat or groundfish mortality closed areas. If 0.62 million pounds were reduced by 20% then the average from the last six fishing years would be closer to 500,000 pounds.

If a region wide hard TAC or limited entry program is adopted under Amendment 11 it would not apply to this area. Therefore if a vessel fishes for scallops in this area, landings from this area would not count against an overall TAC, or an individual quota, they would only be reduced from the NGOM hard TAC.

Rationale: This alternative was recommended by the Scallop Committee as an alternative to help expedite the Amendment 11 process. It has been noted that one of the major factors that led to development of Amendment 11 was new entrants and increased effort in the general category fishery. However, the growth in general category fishing effort has not been in the Gulf of Maine. This alternative could be selected as a placeholder until assessment information is available to set more appropriate management measures in this area. The Scallop PDT did recommend that if this area was going to be managed separately a hard TAC should be considered so conservation objectives are not undermined.

3.1.4.3 Establish a Northern Gulf of Maine Management Area Limited Entry Program

This alternative would develop a separate limited entry general category program in the GOM exemption area north of 42°20N (**Option A**) (See Figure 3 – hatched area north of 42°20) or **Option B** – waters in the EEZ north of 43N. The bullets below describe the qualification criteria and restrictions for this permit as recommended by the Scallop Committee.

1. Create a NGOM scallop management area with a separate hard TAC. The TAC will be determined by historical landings until funding is secured to undertake a NGOM stock assessment. The actual TAC for this area would be defined in future framework actions based on information about the status of the resource in that area. The PDT will recommend a hard TAC and the Council will consider it in each biennial framework. The TAC will be determined by historical landings until funding is secured to undertake a NGOM stock assessment. To give the Council a sense of what the PDT would most likely base the TAC on below is some information that could be used to set the hard TAC. For example, the historical average of GOM landings from the data used in the scallop assessment for 2000-2005 is 0.62 million pounds. The Scallop PDT recommends that amount be reduced by a certain percentage (i.e. 20%). Landings from the NGOM area will not be counted against the General Category TAC.
2. To qualify for a NGOM scallop permit, one must have had a General Category scallop permit in any fishing year between 1994 and Nov. 1, 2004 and must have landed at least one 100 pound trip in the same fishing year in any area.
3. If a vessel qualifies for a NGOM permit they are restricted to fish for scallops in the NGOM area, and only until the TAC is reached for that area. Once that fishery closes a vessel could possess/land (but not sell) up to 40 pounds only when fishing for other species (unless Amendment 11 changes the incidental catch rules). Incidental catch less than 40 pounds per trip do not count against the TAC.
4. If a vessel qualifies for a limited entry general category permit their catch will be deducted from their individual allocation (in trips or pounds) regardless of where the scallops were caught. Those vessels can land up to 400 pounds per trip even in the NGOM (not restricted to 200 pound possession limit). If this vessel wants to fish in the NGOM it must declare into that area and those landings will be removed from the NGOM TAC.

5. Trip and Gear Restrictions for fishing in the NGOM Management Area:
 - a. The Hard TAC back stop will be based on PDT analysis of historic landings and the PDT recommendation until an assessment of the NGOM is done to provide a better estimate of the resource.
 - i. When the hard TAC is reached, the fishery in the NGOM Area will close for all Limited Access and General Category scallop vessels.
 - ii. When the fishery is closed, then no vessel may possess more than 40 pounds of scallop meats in the NGOM.
 - iii. Vessels fishing outside the NGOM Management Area that intend to land scallops in ME, MA or NH (depending on the boundary alternative selected) after the NGOM fishery is closed will have to have gear stowed and declare via VMS that they are transiting the NGOM with scallops on board.
 - b. Vessels permitted to only fish in the NGOM Management Area will be limited to possession of 200 pounds of scallop meat per trip, maximum of one trip per day.
 - c. All vessels fishing in the NGOM Management Area will be required to use VMS
 - d. Vessels fishing in the NGOM Management Area must declare via VMS that they are fishing on a NGOM Management Area Scallop trip and must report scallop landing through VMS.
 - e. Vessels fishing in the NGOM Management Area will be required to use a dredge no larger than 10.5 ft wide.

Rationale: The intent of this alternative is to provide opportunistic access for vessels that have some level of historical fishing in the NGOM. This alternative is designed to provide a reduced level of access to as many vessels as possible for sporadic times when the resource can support it. This fishery has been identified as a distinct component of the general category fishery and due to unique characteristics such as smaller vessels, sporadic fishable populations, and state regulations it is reasonable to consider management of this area separately from the overall program. General category management measures could be tailored to accommodate the distinct nature of this regional fishery without jeopardizing the success of the general category or limited access management program. Since this area is not surveyed as part of the federal scallop survey, and landings from this area are not included in the assessment, then a separate TAC is justified that will not be removed from the limited access or general category TAC.

3.1.4.4 Establish a Northern Gulf of Maine Management Area Limited Entry Program without landings criteria (*proposed action*)

This alternative would develop a separate limited entry general category program in the GOM exemption area north of 42°20N (**Option A**) (See Figure 3 – hatched area north of 42°20). Following the public comment process the Council developed this alternative to combine some of the alternatives in this section to better reflect the intent of this alternative. Specifically, a limited entry program is recommended but with no landings criteria in order to provide a reduced level of access to a wider range of vessels in this region. Vessels that had a permit at the time of the control date (November 1, 2004) would be permitted to fish in the NGOM area with a 200 pound possession limit. Vessels would be restricted to fish for scallops with a 10.5 ft. dredge, unless the vessel was also fishing under a limited access multispecies or monkfish permit. These vessels would be exempt from the dredge restriction. Vessels in this permit category would be exempt from upgrade restrictions as described in Section 3.1.2.5.2 and vessels would be required to report through VMS. The details of the alternative are described in the bullets below.

The area would be under a hard-TAC set by the Scallop PDT based on the federal portion of scallop resource in the NGOM. All federal permit holder landings from the NGOM count toward the NGOM TAC, and if a vessel qualifies for a limited entry general category permit

under Amendment 11 then any landings from the NGOM will count against their individual allocation as well as the NGOM TAC. Once the TAC is reached for the area no federal scallop vessel would be permitted to fish for scallops in the NGOM.

1. Create a NGOM scallop management area with a separate hard TAC for just the scallop resource in federal waters. The TAC will be determined by historical landings until funding is secured to undertake a NGOM stock assessment. The actual TAC for this area would be defined in future framework actions based on information about the status of the resource in that area. The PDT will recommend a hard TAC and the Council will consider it in each biennial framework. The TAC will be determined by historical landings until funding is secured to undertake a NGOM stock assessment. Landings from the NGOM area will not be counted against the General Category TAC.
2. To qualify for a NGOM scallop permit, one must have had a General Category scallop permit at the time the control date was implemented (November 1, 2004).
3. If a vessel qualifies for a NGOM permit they are restricted to fish for scallops in the NGOM area, and only until the TAC is reached for that area. Once that fishery closes no scallop fishing can take place in the NGOM, regardless of permit type.
4. If a vessel qualifies for a “regular” limited entry general category permit their catch will be deducted from their individual allocation (in trips or pounds) regardless of where the scallops were caught. Those vessels will also be restricted to the 200 pounds possession limit when fishing in the NGOM. If this vessel wants to fish in the NGOM it must declare into that area and those landings will also be removed from the NGOM TAC.
5. Trip and Gear Restrictions for fishing in the NGOM Management Area:
 - a. The Hard TAC back stop will be based on PDT analysis of historic landings and the PDT recommendation until an assessment of the NGOM is done to provide a better estimate of the resource.
 - i. When the hard TAC is reached, the fishery in the NGOM Area will close for all Limited Access and General Category scallop vessels.
 - ii. When the fishery is closed, then no vessel may possess scallops in the NGOM.
 - iii. Vessels fishing outside the NGOM Management Area that intend to land scallops in ME, MA or NH (depending on the boundary alternative selected) after the NGOM fishery is closed will have to have gear stowed and declare via VMS that they are transiting the NGOM with scallops on board.
 - b. Vessels permitted to only fish in the NGOM Management Area will be limited to possession of 200 pounds of scallop meat per trip, maximum of one trip per day.
 - c. All vessels fishing in the NGOM Management Area will be required to use VMS
 - d. Vessels fishing in the NGOM Management Area must declare via VMS that they are fishing on a NGOM Management Area Scallop trip and must report scallop landing through VMS.
 - e. Vessels fishing in the NGOM Management Area will be required to use a dredge no larger than 10.5 ft wide.

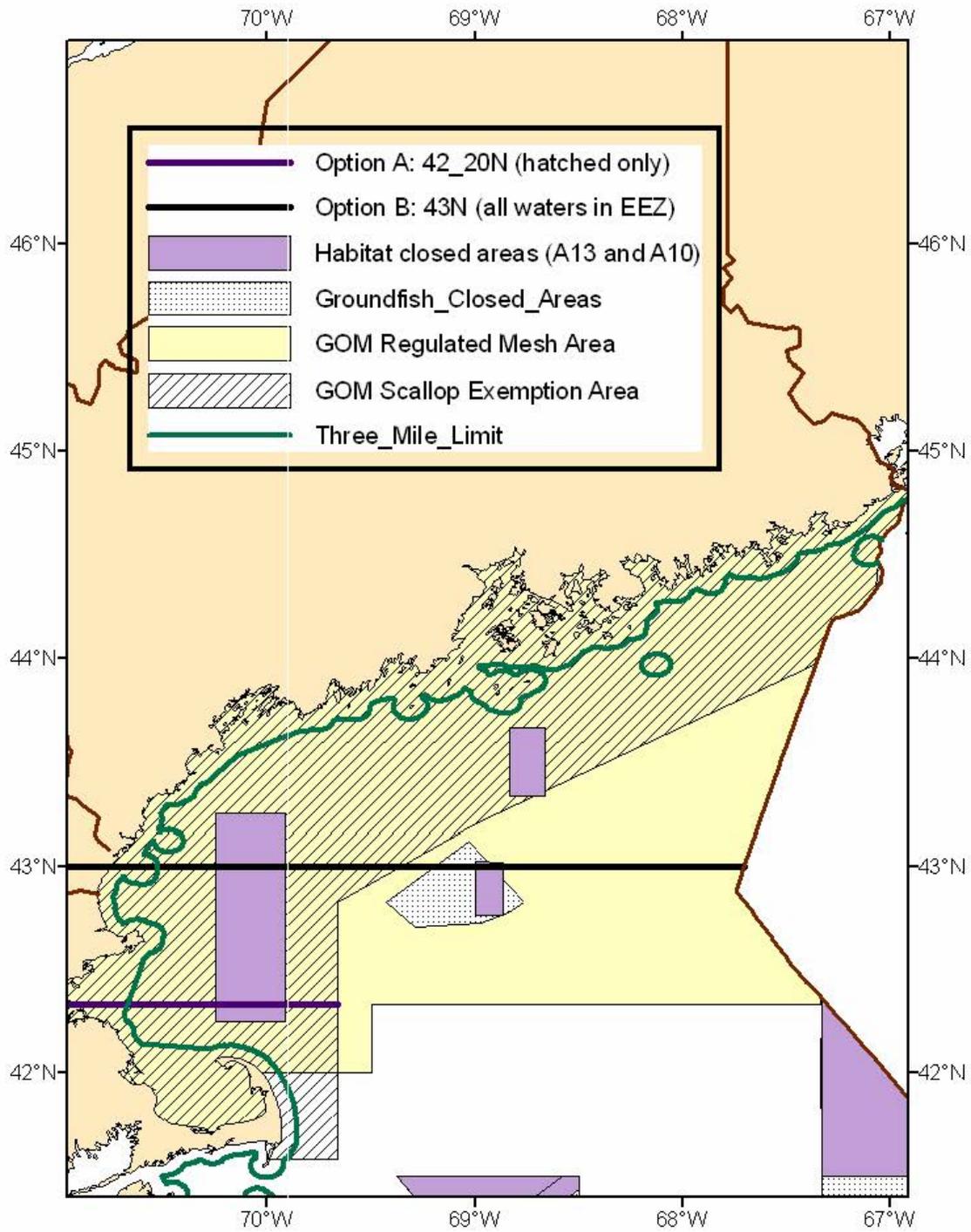
Rationale: Following the public comment period on the DSEIS the Council developed this alternative to combine some of the alternatives in this section to better reflect the intent of this alternative. Although, the Council decided that limited access was necessary to manage scallops in this area, it has developed rules that are more compatible with the needs of local fishermen. Also, the scallop resource increases sporadically with the result that scallops were not available in abundant quantities during the qualification time period. As a result, the Council decided that the limited access criteria to the NGOM should be based on whether or not a vessel had a permit on the control date (November 1, 2004) rather than on the amount of scallops a vessel had landed. Additionally, because vessels catch fewer scallops in the NGOM, the Council decided

that a 200-pound trip limit would be more appropriate and reduce incentive to increase effort in that area. In order to control the amount of scallops landed from the area overall, a hard-TAC will be implemented for the federal portion of the NGOM. One of the primary reasons the Council developed this additional alternative was in response to several concerns the Regional Administrator raised related to the approvability of the original limited entry alternative (Alternative 3.1.4.3). This alternative is intended to address those concerns. Specifically, she raised issues of conservation, administrative burden and enforceability. The Council designed this alternative in an attempt to address these concerns and allow for a placeholder for future management of scallops in the NGOM if and when they return. It was discussed that these vessels did not contribute to the problem, and this alternative would allow a supplemental fishery for vessels that have depended on this resource as part of total revenue over time.

First, since NMFS can't track state landings there is no way to monitor a TAC that encompasses both landings from state and federal waters, so this alternative applies only to the resource in the federal portion of the NGOM. Since the federal portion of this resource is a small portion, this TAC will be small, thus conservative for the area overall. Second, in order to ensure the TAC is not exceeded, all scallop landings in that area would count against the TAC as well as an individual allocation if landed by a "regular" general category vessel. This alternative also clarifies that no vessel would be permitted to possess an incidental level of scallop catch once the TAC is caught, another conservative provision. In addition, all limited access permit holders will most likely not be permitted to fish for or land (in federal or state waters) any species of fish authorized by the permit, unless and until the permit has been issued or renewed, pending a proposed rule to reconcile state and federal commercial fishing vessel permit programs. On April 6, 2007 NMFS published a proposed rule that is considering a revision to the limited access permit program that would prevent a vessel from fishing under a state permit before it has applied for or renewed its federal permit (72 FR 17085). This proposed rule was not final when Amendment 11 was submitted, but is expected to be final rule sometime later this summer. This potential revision is seen as a conservative provision that will prevent a federal permit from fishing under the federal TAC and then moving into state waters.

The Regional Administrator also voiced concern about the administrative burden of implementing a limited entry program with the 100 pound landings criteria. She argued that qualifying vessels with that low criteria over an 11-year time period would be a very resource intensive program, for little utility since it would qualify almost everyone that landed a scallop in that area since 1994. If an upgrade restriction was also applied it would be administratively unacceptable to have NMFS track vessel replacements, etc. for hundreds of vessels. Lastly, in terms of enforceability since all vessels would be prohibited from having more than 200 pounds in the area, and no scallop fishing will be permitted in the area after the TAC is caught it would be enforceable. In addition, vessels will be required to have VMS, report through VMS and can transit in the area with more than 200 pounds if gear is stowed and fishing took place outside the NGOM area.

Figure 3 – Potential boundaries for the NGOM Management Area



3.1.5 Monitoring Provisions

3.1.5.1 No Action

Whether limited entry is adopted or not, vessels would still be required to report scallop landings through vessel trip reports (VTR). Vessels are currently required to report all landings within one month after a trip has been taken.

3.1.5.2 Require landings and declaration of scallop trip through VMS (*proposed action*)

Same requirement no matter what strategy is adopted for controlling capacity and mortality (limited entry or hard TAC). Currently all general category vessels that want to land more than 40 pounds of scallop meats are required to have VMS, but they are not required to report landings through VMS. This alternative would add the requirement to report landings through VMS and a vessel would also be required to call in to NMFS when they are leaving port to declare that they are going on a general category scallop trip. Vessels would be required to call in the hailweight and VTR number for each trip through the VMS system.

Rationale: In order to improve monitoring of an individual quota, or fleetwide TAC, general category vessels would be required to report scallop landings through VMS. Requiring a vessel to report hailweight and VTR number would improve the ability for NMFS to link this data with other databases and enable NMFS to monitor the TAC on a more real-time basis.

3.1.5.3 Require landings and declaration of scallop trip through IVR system

Interactive Voice Reporting (IVR) is a system where vessels report landings on a trip basis through a phone recording system. Several TAC managed fisheries in the region use IVR. This alternative would require IVR in addition to current VTR reporting requirements.

Rationale: In order to improve monitoring of an individual quota, or fleetwide TAC, general category vessels would be required to report scallop landings through IVR. This measure would reduce the time it takes NMFS to monitor an individual allocation or fleetwide TAC.

3.1.6 Limited access fishing under general category rules

3.1.6.1 Permit or prohibit limited access vessels from fishing under general category

A limited access scallop permit owner is currently permitted to fish under general category rules when not on a DAS. This has been permitted as part of the limited access permit since implementation of limited entry under Amendment 4. A limited access vessel is permitted to possess/land up to 400 pounds of scallops per trip when not fishing under a scallop DAS, or after their individual DAS have been used.

Rationale: In order to reduce capacity and effort in the general category fishery the alternatives in this section are considering alternatives that would prohibit limited access vessels from fishing under general category rules. One alternative prohibits all limited access vessels from fishing under general category rules (Alternative 3.1.6.1.4). Two alternatives only allow limited access vessels to fish under general category rules if they qualify under the same criteria as general category vessels (Alternative 3.1.6.1.2 and Alternative 3.1.6.1.3 would be limited to part-time

and occasional vessels). The No Action alternative would allow all limited access vessels to fish under general category rules as currently permitted.

3.1.6.1.1 No Action

Permit all limited access vessels (full-time, part-time and occasional) to possess/land up to 400 pounds of scallops per trip when not fishing under a scallop DAS, or after their individual DAS have been used.

3.1.6.1.2 Permit limited access vessels that qualify under general category rules (proposed action)

This alternative would only allow limited access vessels that qualify under the same criteria selected for the limited access general category permit to fish under general category rules. Limited access vessels that do not qualify would be permitted to land/possess scallops under incidental rules while fishing for other species, unless Amendment 11 changes that provision. The landings from this component of the fishery could be deducted from the general category or limited access portion of the total harvest. If VMS is required for limited access general category permitted vessels, it is understood that vessels with occasional limited access permits that qualify would be required to use VMS. To be clear, a limited access vessel would be permitted to also have a limited access general category permit if it qualified.

3.1.6.1.3 Permit occasional or part-time limited access vessels that qualify under general category rules

This alternative would only allow occasional and part-time limited access vessels that qualify under the same criteria selected for the limited access general category permit to fish under general category rules. This alternative would exclude full-time vessels from qualifying for a limited entry general category permit. Limited access vessels that do not qualify would be permitted to land/possess scallops under incidental rules while fishing for other species unless Amendment 11 changes that provision. The landings from this component of the fishery could be deducted from the general category or limited access portion of the total harvest. If VMS is required for limited access general category permitted vessels, it is understood that vessels with occasional limited access permits that qualify would be required to use VMS. To be clear, a limited access vessel would be permitted to also have a limited access general category permit if it qualified.

3.1.6.1.4 Prohibit all limited access vessels from fishing under general category rules

Vessels with a limited access permit (full-time, part-time and occasional) would no longer be permitted to fish under general category rules while not on a scallop DAS. All limited access vessels would be allowed to land/possess scallops under incidental rules while fishing for other species, unless Amendment 11 changes that provision.

3.1.6.2 Allocation of quota to limited access vessels under general category

If the Council determines that limited access vessels that qualify for a general category permit under the same qualification criteria should receive a general category permit, then that effort would have to be attributed to (or removed from) either the general category allocation or the limited access allocation. If the Council decides not to permit limited access vessels to fish under general category rules then this section is irrelevant.

Rationale: If limited access vessels are permitted to land under general category rules and a hard TAC is implemented for the general category fishery under this action then scallops landed by limited access vessels under general category rules will have to be deducted from either the TAC awarded to the general category fleet, or a separate TAC awarded to the limited access fishery for scallops caught under general category rules.

3.1.6.2.1 Landings from this component of the fishery would be deducted from the general category allocation

Similar to how these landings have been recorded in the past, landings from limited access vessels that qualify to fish under general category rules would be counted against the allocation for the general category fleet.

3.1.6.2.2 Landings from this component of the fishery would be deducted from a separate allocation added onto the general category allocation (*proposed action*)

An additional allocation would be given to limited access vessels that qualify to fish under general category rules (Section 3.1.6.1.2 or 3.1.6.1.3). The Council selected 0.5% as the maximum catch that should be allocated to this component of the overall scallop fishery because that value is close to what historical landings have been in recent years and does not represent a large amount of the total catch, and is not projected to have substantial impacts on other limited access and general category vessels.

3.1.7 Allocation between limited access and general category fisheries (Objective #1)

Both general category and limited access landings have fluctuated over time. Table 5 summarizes the catch and percent of total catch from each component of the fishery since 1994.

Table 5 – Scallop landings from general category vessels, limited access vessels under DAS, and limited access vessels under general category from 1994 to present

Fish Year	Total scallop landings (LA and GC)	Total scallop landings by General Category vessels only		Total scallop landing by Limited Access vessels under DAS		Total scallop landings by limited access vessels outside DAS (on 400 lb trips)	
		LBS	%	LBS	%	LBS	%
1994	14,907,265	95,268	0.64%	14,713,046	98.70%	98,951	0.66%
1995	15,807,941	123,967	0.78%	15,603,104	98.70%	80,870	0.51%
1996	16,447,682	204,635	1.24%	16,175,248	98.34%	67,799	0.41%
1997	12,619,221	310,049	2.46%	12,122,375	96.06%	186,797	1.48%
1998	11,186,468	164,435	1.47%	10,528,707	94.12%	493,326	4.41%
1999	21,286,244	150,482	0.71%	20,713,733	97.31%	422,029	1.98%
2000	32,929,475	357,691	1.09%	32,259,404	97.97%	312,380	0.95%
2001	45,164,706	1,216,947	2.69%	43,659,686	96.67%	288,073	0.64%
2002	49,808,416	983,775	1.98%	48,641,573	97.66%	183,068	0.37%
2003	54,778,793	1,809,071	3.30%	52,781,614	96.35%	188,108	0.34%
2004	61,714,971	3,245,661	5.26%	58,106,020	94.15%	363,290	0.59%
2005	53,214,097	7,495,884	14.09%	44,917,224	84.41%	800,989	1.51%
2006*	56,149,105	6,838,083	12.18%	48,886,653	87.07%	424,369	0.76%

* Preliminary data – 2006 fishing year not complete

3.1.7.1 No Action

The Council would not allocate a certain percentage of the total available scallop harvest to the general category fleet. Currently the landings from the general category fleet are estimated, and then limited access specifications are set to harvest the remaining portion of available harvest. The landings from the general category fleet are not an actual allocation, and vessels may under or over-harvest the estimated amount. This alternative could be selected whether limited access is recommended or not. Similarly, if a hard TAC is recommended this alternative could also be selected.

Rationale: Different components of the fishery would not be allocated a specific TAC. Rather a target TAC would be determined and measures would be put in place for both fisheries to stay within that target TAC. If a portion of the fishery exceeds the target TAC no measures would be taken.

3.1.7.2 Allocation for general category vessels (*proposed action*)

The Council approved at the April 2006 Council meeting that the range of 2.5 to 11% allocation of the total available scallop harvest be considered for the general category fishery in Amendment 11. **The proposed action includes an allocation of 5% to the general category fishery.** The rationale for the lower bound of the range was to consider the approximate historical average since Amendment 4 was implemented (1994-2005). The rationale for the upper bound is to consider an amount that reflects the percent of current landings (based on available data from fishing year 2005) from vessels with general category permits before the control date. Based on available landings data for 2005, approximately 80% of all general category landings were from vessels that had a permit before the control date, and 80% of the approximate 14% of total scallop landings is roughly 11% of the total scallop landings for 2005. Since this action is considering the control date as a component of the qualification criteria, the Council voiced that it is appropriate to include in the range of allocation alternatives an amount that reflects the current participation of vessels that would qualify if having a permit before the control date were the only qualifying criteria.

The Council added that a higher percentage than historic norms is justified for economic and social reasons, recognizing this fishery is an important component of fishing communities along the coast. It was further suggested that a relatively high value compared to historic norms is appropriate to consider for analysis since the general category fleet landed 14% in 2005, and if the resource remains healthy then a higher percentage may be more appropriate in the long term. In addition, this range is responsive to the advisory panel requests. Lastly, the Scallop Committee suggested that is important to analyze a relatively high percent to illustrate the potential consequences of a high allocation value. The Council did not identify specific allocation percentages within the range under consideration, so the Scallop PDT will examine a feasible number of alternatives between 2.5 and 11%. The Council can select any value within the range so long as the specific alternative is analyzed and available to the Council before final decisions are made. Table 6 describes an example of possible allocations within the approved range for TAC values from 40-70 million pounds. The scallop assessment is currently being updated and is part of SARC 45. Scallop biological reference points are being reviewed and the assessment is expected to be available in mid-June, hopefully before the Council is scheduled to make final decisions on Amendment 11. In the meantime, the analyses in this document include

the most updated assessment information including biological projections using survey results from 2006. These methods and estimates were approved by the Council Statistical Committee in June 2006.

Table 6 - Estimate of the lower and upper bounds of the range approved for consideration in Amendment 11 for the general category allocation with various TAC values (40-70 million pounds).

	2.5%	11.0%
40.0	1.0	4.4
50.0	1.3	5.5
60.0	1.5	6.6
70.0	1.8	7.7

It is understood that whatever alternative is selected to control capacity and mortality in the general category fishery, the total amount allocated to the general category permit owners would be roughly equal to the overall percent selected in this alternative. Furthermore, the percent will remain the same in future years, but the total and individual poundage will vary based on changes in projected yield. Therefore, total and individual allocations in the general category fishery will be specified in each biennial framework, or whatever action implements specifications for future fishing years.

Rationale: This alternative is being considered so that the total harvest from the general category fishery can be controlled. A total amount of scallops would be allocated to the general category fishery and measures would be implemented to stay below the allocated amount. If this plan adopts individual allocation then a vessel is in violation if it lands more than the share it was allocated.

3.1.7.3 Allocation of yellowtail flounder bycatch TAC in access areas

The Council is considering allocating a specific portion of the yellowtail flounder bycatch TAC to each fishery (limited access and general category).

Rationale: In an effort to reduce the potential for one component of the fishery closing an access area to all scallop fishing this section considers allocating a portion of the total bycatch cap to the general category fishery equivalent to the percentage of total scallop TAC being considered in this action (2.5% - 11%). Each fishery would be permitted to fish in an access area until their portion of the total yellowtail flounder bycatch TAC was caught.

3.1.7.3.1 No Action (*proposed action*)

Currently 10% of the yellowtail flounder TAC (Georges Bank and SNE) is set aside as bycatch for the scallop fishery in access areas. Limited access scallop vessels are permitted to land the yellowtail flounder they catch as bycatch, but the general category fleet is not. The 10% bycatch cap is monitored through observer coverage and total bycatch estimates are extrapolated from that data. The regulations consider YT bycatch from both the limited access and general category fleets under the same TAC and once the bycatch TAC is reached, the access area would close to all vessels.

3.1.7.3.2 Allocate a proportional allocation of the 10% bycatch cap to the general category fishery

Rather than both fisheries being under the 10% cap equally, this alternative would actually divide the bycatch TAC between the limited access and general category fisheries. Whatever overall allocation of the scallop yield is given to the general category fishery (2.5%-11%), that same percentage of the yellowtail flounder bycatch cap would be given to the general category fleet for access areas. It is understood that this catch could not be retained by general category vessels; they still would not be permitted to land the yellowtail flounder that they catch. This alternative would prevent one fleet of the fishery closing the access area for the other fleet. For example, if the 10% bycatch TAC was reached for Closed Area II during the winter months by limited access vessels before the majority of the general category fleet could access area, this alternative would prevent one fleet from closing the access area for another fleet.

3.1.8 Incidental Catch (Objective #4)

3.1.8.1 No Action

All vessels with a federal fishing permit are permitted to possess and land (but not sell) up to 40 pounds of scallop meat per trip. A vessel is not required to have a scallop permit in order to possess/land up to 40 pounds of meat.² Under this alternative any federally permitted vessel in the region would continue to be permitted to possess/land up to 40 pounds of scallop meat for personal use. All vessels that qualify for a limited access general category permit (if one is adopted in this action), and all current limited access scallop permit owners would continue to be permitted to possess/land up to 40 pounds of scallop meat per trip when targeting other species.

Rationale: The Scallop PDT has not expressed concern about scallop mortality from incidental catch less than 40 pounds. If scallops are returned to the water relatively quickly, mortality of incidental scallop catch is expected to be relatively low. Some input during scoping recommended changing the incidental limit, but the Council decided that 40 pounds is an appropriate amount to prevent incentive to target scallops and reduce bycatch.

3.1.8.2 Establish a new permit category for incidental catch (*proposed action*)

If a general category vessel meets the time period qualification criteria for limited entry but not the landings criteria selected (100 lb. trip, 1,000 pounds in one year during the qualification time period, or 5,000 pounds in one year during the qualification time period) then that vessel would qualify for a new incidental catch permit. A vessel would be permitted to possess, land, and sell up to 40 lb. of scallop meat per trip. If a vessel does qualify for a limited entry general category permit but would prefer to fish for scallops under this permit category it can relinquish the limited entry general category permit and opt for a limited entry incidental catch permit instead. Once a qualifying vessel decides which permit it selects, it would not be permitted to switch. This permit type would not be open access and if adopted, would replace the current privilege for all federal permits to possess/land (but not sell) up to 40 lb. of scallop meat. If this alternative is selected, after implementation of Amendment 11 all vessels that possess/land scallops would be required to have a permit (limited access, limited access general category, or limited access

² Currently there is a general scallop permit (Category 1A) that permits a vessel to possess/land AND sell scallops. That permit is currently open access and a vessel is not required to have VMS to possess/land (and sell) scallop meat up to 40 lb.

incidental). No vessel would be permitted to have more than one scallop permit (unless a limited access vessel qualifies for a limited access general category permit in this amendment).

This alternative also includes a provision to remove a certain percentage of the total projected annual scallop catch in future years to account for mortality from landings from this permit category. Specifically, the PDT is instructed to remove from the total projection a level of landings expected from this permit category each year, similar to how a percent of total catch is currently removed for research set aside and observer coverage. This value would be defined in future actions and could be modified over time to incorporate recent landings from this permit category.

Rationale: This alternative was developed to consider an alternative that would enable an incidental level of scallop catch for vessels that qualify for the time period criteria, but not the landings criteria. This alternative would better reflect the actual incidental scallop catch for some vessels that traditionally land closer to 40 pounds of scallop meat per trip as a component of their overall catch while fishing for other species. Furthermore, some vessels that may qualify for a limited entry general category permit may opt for this permit instead because it permits a vessel to land an incidental level of scallops on an unlimited number of trips. For example, if access to the general category fishery is allocated in individual number of trips, a vessel would only receive a certain number of trips with a trip limit of 400 pounds. This alternative would reduce the possession limit from 400 to 40 for these vessels, but it was pointed out during development of this amendment that there are some fisheries where it may be more advantageous to land a smaller incidental level of scallops on more trips, than a higher level of scallops on fewer trips.

3.2 MEASURES TO ALLOW BETTER AND MORE TIMELY INTEGRATION OF RECENT DATA (GOAL #2, OBJECTIVE #5)

This was identified as the second goal of Amendment 11 because the scallop fishing year is out of sync with the framework adjustment process and the timing of when survey data become available for analysis. As a result, actions have not been implemented at the start of the fishing year, TACs have been misestimated due to reliance on older data, and extra actions have been required to compensate. Furthermore, there are numerous analytic requirements and extra steps in the framework approval process that make it difficult to implement measures in a timely way. See Section 5.1.2 for detailed background information on this issue and examples of when the timing of the fishing year has been problematic for effective management of the scallop resource.

3.2.1 No Action

No additional measures would be implemented to improve the integration of recent data in the management process. Specifically, the scallop fishing year would remain at March 1.

Rationale: It may be possible to make minor changes to when the survey is conducted and how quickly the data can be processed for management use. However, this alternative may run the risk of late implementation and increased uncertainty in TAC estimates if these changes cannot be made.

3.2.2 Change the issuance date of general category permits from May 1 to March 1 (proposed action)

Whether limited access is implemented by this action or not, this alternative would change the issuance date of general category permits from May 1 to March 1. This change would improve integration of fishery data into the management decision process. Currently, the limited access portion of the fishery is issued a permit on March 1, the start of the scallop fishing year. Because the general category permit is not issued until two months later there is a lag time in summarizing scallop landings data.

Rationale: This alternative would slightly improve integration of fishery dependent data because permits would be issued sooner and in conjunction with the scallop fishing year. This alternative will not address the timing issue of when survey data become available for analysis.

3.2.3 Change the start of the fishing year to May 1

The scallop fishing year would be changed to start May 1.

Rationale: This alternative would be most effective if the survey can be moved earlier in the year and data available in June. If data can be available in June, then an action can be initiated, developed, and analyzed in time for May 1 implementation. This alternative would allow for the most recent survey data to be used if the survey schedule could be shifted earlier several months.

3.2.4 Change the start of the fishing year to August 1

The scallop fishing year would be changed to start August 1.

Rationale: This alternative allows sufficient time to audit and analyze survey data collected through August, and the survey schedule would not have to be changed. This alternative does not require NMFS and cooperative industry survey projects to conduct research earlier in the year and would allow for the most recent data available to be used for management purposes.

3.3 OTHER MEASURES

3.3.1 Trawl gear restriction

3.3.1.1 No Action

The regulations described in the section below would continue. All trawl vessels would be restricted to a 144 ft. trawl sweep.

3.3.1.2 Clarification of trawl gear restriction for vessels fishing under a multispecies or monkfish DAS (proposed action)

During development of Amendment 11 the Council became aware of a regulation that was not consistent with Council intent related to interpretation of a net size restriction (§648.51).

(a) *Trawl vessel gear restrictions.* Trawl vessels issued a limited access scallop permit under §648.4(a)(2) while fishing under or subject to the DAS allocation program for scallops and authorized to fish with or possess on board trawl nets pursuant to §648.51(f), any trawl vessels in possession of more than 40 lb (18.14 kg)

of shucked, or 5 bu. (176.2 L) of in-shell scallops in or from the EEZ, and any trawl vessels fishing for scallops in the EEZ, must comply with the following:

- (1) *Maximum sweep.* The trawl sweep of nets shall not exceed 144 ft (43.9 m), as measured by the total length of the footrope that is directly attached to the webbing, unless the net is stowed and not available for immediate use, as specified in §648.23.

The Council intended the 144 ft. net sweep restriction to be exclusive to the scallop plan for all vessels targeting scallops using a net, and not to apply this restriction in other fisheries where scallops are caught more incidentally. This alternative would clarify that the 144 ft. net sweep restriction is intended for all vessels authorized to be in possession in excess of 40 pounds of scallop meats, except for vessels with a general category 1B permit and fishing under a multispecies or monkfish DAS. These vessels would not be restricted by the 144 net sweep restriction.

Table 7 summarizes the number of vessels that have both a general category scallop permit and a multispecies or monkfish permit. As of the last application date during 1994-2004 (control date), there were about 4,777 vessels that applied and received a general category permit, and 2,484 of these permits were renewed during 2004 application year. There were 2,505 vessels that received multispecies permit in 2004 (application year) that had a general category permit any one or more years during 1994-2004 (application year and before the control date). Similarly, there were 1,925 vessels that both had monkfish and general category permit during the period 1994-2004.

Table 7. Monkfish and Multispecies permits held by vessels by general category permits by last application date (unique numbers up to the control date)

Application Year and up to the control date	Monkfish permit	Multispecies Permit	General category permit
1994		107	149
1995		228	281
1996		202	262
1997		206	241
1998		137	142
1999	39	155	140
2000	111	226	210
2001	126	227	208
2002	166	266	268
2003	256	376	392
2004	1925	2505	2484
Grand Total	2623	4635	4777

Rationale: It was not the intent of the Council that this net restriction would apply to trawl vessels not directing on scallops. Since this change cannot be accomplished through a technical correction, this alternative would clarify that a trawl vessel fishing under a multispecies or monkfish DAS would not be restricted by the 144 ft. net sweep regulation.

3.3.2 Possession limit of 50 bushels

3.3.2.1 No Action

Current regulations would apply related to the possession limit of 50 bushels of in-shell scallops for all 1B general category scallop vessels.

3.3.2.2 Possession limit of 50 bushels shoreward of the VMS demarcation line and up to 100 bushels seaward of that line (*proposed action*)

The regulations currently permit a vessel to be in possession of either 400 pounds of scallop meat or 50 bushels of in-shell scallops if they have a 1B general category permit. However, 50 bushels of in-shell scallops does not equate to 400 pounds of scallop meat. Therefore, if a vessel wants to land scallop meat, it is technically in violation if it possesses for example 70 bushels to cut out 400 pounds of meat. The Council is considering an alternative that would modify the regulations so that “a vessel could not possess, or land per trip more than 50 bu. (17.62 hl) of in-shell scallops shoreward of the VMS Demarcation Line, but could possess up to 100 bushels seaward of the demarcation line”. This modification would allow a vessel to be in possession of more than 50 bushels east of the demarcation line so they are not in violation of current regulations if it takes more than 50 bushels to cut out 400 pounds of scallop meat. The 100 bushel maximum east of the demarcation line was added to reduce incentives for cheating and highgrading. The Committee recommends that the regulations described in Section 648.52 (d) below, should apply for all vessels with a general category 1B permit, not just vessels fishing in or transiting the area south of 42°20N.

§ 648.52 Possession and landing limits

a) Owners or operators of vessels with a limited access scallop permit that have declared out of the DAS program as specified in §648.10 or that have used up their DAS allocations, and vessels issued a VMS general scallop permit, unless exempted under the state waters exemption program described under §648.54, are prohibited from possessing or landing per trip more than 400 lb (181.44 kg) of shucked, or 50 bu. (17.62 hL) of in-shell scallops, with no more than one scallop trip of 400 lb (181.44 kg) of shucked, or 50 bu. (17.62 hL) of in-shell scallops, allowable in any calendar day.

d) Owners or operators of vessels issued limited access or general category scallop permits fishing in or transiting the area south of 42°20'N. Latitude at any time during a trip are prohibited from fishing for, possessing, or landing per trip more than 50 bu. (17.62 hl) of in-shell scallops shoreward of the VMS Demarcation Line, unless when fishing under the state waters exemption specified under §648.54.

Rationale: This alternative would allow a vessel to harvest the amount of in-shell scallop (which varies by area and season) it takes to reach the 400 pound of meat possession limit. Currently a vessel is in violation if they have more than 50 bushels north of 42°20N, although it is common knowledge that 50 bushels do not equal 400 pounds of scallop meat. Since general category vessels are now required to have VMS to land more than 40 pounds of scallop meats, possession limits can be enforced inside the demarcation line because the fishing vessels location is known. The Committee recommends that a maximum of 100 bushels be added east of the demarcation line to reduce incentives for cheating and highgrading.

3.4 ADDITIONAL MEASURES THAT CAN BE IMPLEMENTED BY A FRAMEWORK ACTION TO THE SCALLOP FMP

Depending on which measures are selected as final measures for Amendment 11 will determine the specific measures that should be added to the list of frameworkable items. Any new measures that need to be adjusted on an annual or biennial basis as a result of this action would be added to the list of frameworkable items. For example, if limited entry for general category vessels is adopted under Amendment 11, with an individual, tiered, or fleetwide allocation, the specific allocations for vessels would require adjustment through the biennial framework process. A NEPA analysis would be included in those framework actions.

3.5 CONSIDERED AND REJECTED ALTERNATIVES

3.5.1 Measures to control capacity and mortality in the general category scallop fishery (Goal #1)

3.5.1.1 Limited Entry (Objective #2)

3.5.1.1.1 Qualification criteria alternatives

3.5.1.1.1.1 Use of the control date only

In order to qualify for a limited access general category permit, a vessel would have to have had a permit before the control date, November 1, 2004.

Rationale for Rejection: The Committee considered this alternative and recommended not including it for analysis. The Committee felt that this criterion was not sufficient enough for controlling capacity and mortality in the general category fishery and additional criterion was necessary like historical landings. Furthermore, there is one alternative in the document that would give a permit to all vessels that had a permit before the control date even if they did not have landings, and those vessels would be able to purchase/lease quota from another vessel that qualified for access to the fishery with landings.

3.5.1.1.1.2 Use of the control date AND date VMS was required

In order to qualify for a limited access general category permit, a vessel would have to have had a permit before the control date, November 1, 2004 AND obtained VMS (permit 1B) before the December 1, 2006 deadline.

3.5.1.1.1.3 Use of control date, date VMS was required, and additional criteria in pounds or trips

In order to qualify for a general category permit, a vessel would have to have had a permit before the control date, November 1, 2004 AND obtained VMS (permit 1B) before the December 1, 2006 deadline AND qualify for additional criteria based on historical effort in pounds or trips. .

Rationale for Rejection: These alternatives were rejected because the Scallop Committee agreed with comments made at the general category scallop advisory panel meeting that using the VMS date would be unfair. It is unfair to exclude people based on the VMS date because there was no warning; it was never mentioned in the notice that getting VMS could be used as a qualifier,

so that is wrong. There is a big difference between knowing you have to get VMS to participate in the fishery for the following year, and having to get VMS to participate in the fishery forever.

3.5.1.1.2 Qualification time period alternatives

3.5.1.1.2.1 Historical landings through fishing year 2004

Originally the qualification time period alternatives went through all of fishing year 2004, not just until the control date, November 1, 2004. For example, one alternative was FY2000-FY2004, which is five full fishing years.

Rationale for Rejection: The Committee decided to revise the qualification time period alternatives to end at the control date to be consistent with the other qualification criteria alternatives. The Committee did not think it was desirable to have landings after the control date count toward qualification for a permit that had to be issued before the control date.

3.5.1.1.3 Qualification exception for vessels from Southern New England

The general category advisors recommended an alternative for a qualification exception for vessels homeported near the Southern New England (SNE) exemption area. They discussed that vessels from this area have not been able to fish near their homeport since 1996 due to the closure to protect SNE yellowtail flounder. Vessels have only been permitted to fish in the SNE exemption area for six months of 2004. It was recommended that their landings history for qualification should be prorated. Specifically, if a limited access program is developed with multiple years for qualification criteria in trips and/or pounds, the SNE exemption area should be considered an exception area for qualification purposes. Landings for qualification should be pro-rated or weighted for vessels homeported between 72° 30 to 70° 00.

The PDT reviewed this recommendation and while they voiced concern about exceptions they suggested a modification to this alternative. The way the alternative is written now is problematic related to limiting that exception to vessels that are from a certain area. Instead it was suggested that a qualification exception could be considered for vessels that have landings reported in VTR from that area from 1994-2004, rather than being from a certain geographical area. They cautioned that there may be other areas where regulations have prohibited vessels from fishing all year in areas near their homeport, and SNE yellowtail is in poor shape and reducing impacts on this species would be beneficial.

Rationale for Rejection: The Committee discussed this alternative and a motion was made to include it in the document, but the motion was not seconded so failed. The Committee discussed that exceptions are dangerous, and this would set a precedent for vessels from other areas to claim the same. Furthermore, it was noted that these vessels could have relocated and fished in other areas.

3.5.1.1.4 Determination of qualification amount

3.5.1.1.4.1 Allocation based on weighting of historical annual landings

The Committee did recommend one weighting alternative, but several others were considered. For example, four strategies were presented to the Committee and three of them were not

selected. One approach took a vessels best year and multiplied the total by a weighting factor that would represent years active in the fishery. A second approach took all annual landings for a vessel and multiplied each year by a by a weight relative to participation in the fishery. One example of this approach gave higher weights to more recent years (approach recommended by the Committee) and a second example gave higher weights to earlier years the second example was considered and rejected. The last method presented was a combination of the first two. [The detailed analyses of these weighting examples were presented in a document to the Committee on May 17, 2006 and are available upon request].

Rationale for Rejection: The Committee decided to recommend one weighting alternative only, not four individual alternatives. The Committee recommends that the strategy that uses all years of history and gives a higher weight to more recent years was the more desirable. This strategy would benefit vessels that have been active in the fishery for more than one year, but provide a higher weight to more recent years (arguably vessels with more current dependence on the fishery).

3.5.1.1.4.2 Allocation based on average of best three years

A vessels qualification would be based on an average of their best three fishing years. If a vessel did not fish for three years during the qualification time period, zeros will be factored in, thus reducing the overall percentage that vessel would be allocated. Landings from 2004 will only be from March 1, 2004 through November 1, 2004 (eight month period); landings from that year will not be pro-rated for a full fishing year. Keep in mind that the qualification amount per vessel may not actually be the amount a vessel is allocated. A vessels historical landings will determine the percent of general category landings that individual vessel will be awarded. Their allocation may be further scaled up or down annually depending on the projected yield of the scallop resource and the overall allocation percent the Council selects for the general category fishery. *This alternative will only be coupled with the longer time series alternatives, it will not be considered for the alternative that is based on FY2003-November 1, 2004.*

Rationale for Rejection: The Council considered a handful of alternatives to determine a vessels contribution factor. After preliminary analyses were done this alternative was inferior to other alternatives still being considered in the document. When some of the qualification alternatives are combined some unintended consequences may result in terms of individual allocations greatly exceeding a vessel's best year, which increases distribution impacts on individual vessels. Furthermore, it is difficult for a vessel to predict their contribution with this alternative and NMFS has to confirm more than one year of landings data for this alternative (as well as the following alternatives below). All three of the alternatives in this section (best three years averaged, average of all years and weighting alternatives will disadvantage vessels that did not fish or had a low level of landings in some years due to reasons beyond their control, such as vessel repairs, illness etc.

3.5.1.1.4.3 Allocation based on an average of all years during the qualification time period selected

A vessels qualification would be based on an average of their landings during all years during the qualification time period selected. Landings from 2004 will only be from March 1, 2004 through November 1, 2004 (eight month period); landings from that year will not be pro-rated for a full

fishing year. Keep in mind that the qualification amount per vessel may not actually be the amount a vessel is allocated. A vessels historical landings will determine the percent of general category landings that individual vessel will be awarded. Their allocation may be further scaled up or down annually depending on the projected yield of the scallop resource and the overall allocation percent the Council selects for the general category fishery.

Rationale for Rejection: Same as above.

3.5.1.1.4.4 Allocation based on weighting of historical annual landings

A vessels qualification would be weighted; lower weights for earlier years and higher weights for more recent years. Annual landings would be determined for each vessel, and each annual total would be multiplied by a weighting factor; for example, 1.0 for 2004 landings, 0.9 for 2003, 0.8 for 2002 etc. The average of the weighted totals for each year would determine a vessels final qualification percent. The DSEIS is going to consider several different weighting amounts for the Council to consider. Landings from 2004 will only be from March 1, 2004 through November 1, 2004 (eight month period); landings from that year will not be pro-rated for a full fishing year. Keep in mind that the qualification amount per vessel may not actually be the amount a vessel is allocated. A vessels historical landings will determine the percent of general category landings that individual vessel will be awarded. Their allocation may be further scaled up or down annually depending on the projected yield of the scallop resource and the overall allocation percent the Council selects for the general category fishery.

Rationale for Rejection: Same as above.

3.5.1.1.5 Allocation of access for general category limited access qualifiers

3.5.1.1.5.1 Individual fishing quota for two permit types (part-time and full-time)

The advisors originally recommended this alternative as one that would allocate an individual fishing quota for the full time permits and a hard TAC for the part time permits. The Committee decided to refine that recommendation to be an individual fishing quota for both permit types based on historical landings.

Rationale for Rejection: The Committee decided not to consider an alternative that uses a hard TAC because it would promote derby style fishing. This causes many problems such as vessel safety, price, product quality etc. Furthermore, it was discussed that monitoring a relatively small TAC (only a fraction of the general category TAC) could be problematic.

3.5.1.1.5.2 Full-time permit allocated in 2,000 pound increments

The general category advisors suggested an alternative for vessels that qualify for the full-time permit under this alternative. It was suggested that a vessels best year should be used, but rather than allocating a different value for each vessel, their best year would be rounded into tiers of 2,000 pound increments. For example, a vessel whose best year was 6,450 would be allocated 6,000 pounds since it falls within the 5-7,000 pound increment. This strategy was recommended as a compromise of allocating each vessel an individual allocation and allocating only several tiers.

Rationale for Rejection: The Committee considered this alternative and did not recommend including it for analysis. The Committee felt that the individual allocation alternative and the tiered permit system were sufficient enough and it may be difficult to monitor and administer all these different tiers.

3.5.1.1.6 Limited entry permit provisions

3.5.1.1.6.1 Special consideration for vessels under construction or written contract for purchase

To qualify for a limited access general category scallop permit, a vessel must meet the qualification criteria using the control date, or the vessel owner must show proof that the vessel was under new construction or written contract for purchase as of November 1, 2004 (the control date), and was issued a general category permit after the control date AND that vessel landed a specific amount of scallops that demonstrates serious participation and dependence on the fishery during a certain time period after the control date (e.g. November 2, 2004 through February 28, 2005, November 2, 2004 through November 1, 2005, or November 2, 2004 through Feb 28, 2006).

Table 8 summarizes the number of additional vessels that could possibly qualify for a limited entry general category permit if the qualifying time period is extended beyond the control date. This would include all vessels that can show landings beyond the control date, no additional criteria have been added such as level of dependence, substantial investment in a new vessel etc.

Table 8 – Summary of potential qualifiers if qualification time period is extended, based on dealer data

Qualification criteria	Number of Qualifiers 2000 through control date	Increase in qualifiers Through end of 2004 fishing year*	Increase in qualifiers Through end of 2005 fishing year
100 lb. Criteria	550	26	250 (65 have permit after CD)
1000 lb. Criteria	370	28	254 (63 have permit after CD)
5000 lb. Criteria	186	10	202 (47 have permit after CD)

*All of the new qualifiers if CD is extended the end of 2004 fishing year have permits on or before the CD.

Rationale for Rejection: This alternative was developed to consider an alternative that would waive the requirement to have a permit and landings before the control date for vessels that could prove substantial investment before the control date and high dependence on the fishery after the control date (higher landings requirements). The Committee considered this alternative and decided to reject it because this alternative would extend the qualification criteria for “latecomers” without consideration for vessels that may have had a permit and some landings before the control date, but not higher dependence on the fishery until after the control date. It was viewed as unfair to only have this alternative that would extend the qualification for one group of vessels and not another group that may not get a permit for other circumstances. When the Committee tried to develop language that would accommodate several different groups of vessels that may have special circumstances, the number of vessels that could potentially qualify was estimated to be higher than a desirable number of 1A qualifiers.

3.5.1.1.7 Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear

3.5.1.1.7.1 Prohibit the use of trawls in the general category fishery, with an exception for vessels on a multispecies DAS

This alternative would prevent all limited access general category qualifiers from landings scallops with trawls. However, there would be an exception for vessels fishing under a multispecies DAS. It was raised during scoping that there is a component of the general category fishery that lands scallops while on a multispecies DAS and those vessels should be able to continue that activity, and have scallop landings as a component of overall catch with trawl gear. Since multispecies DAS are limited, the amount of fishing for scallops with trawls in the multispecies fishery is limited.

Rationale for Rejection: This alternative was removed from consideration at the June 2006 Council meeting. The majority of the Council was uncomfortable with this alternative because it makes an exception for the multispecies fishery only. Preliminary data of scallop catch from vessels using trawl gear suggests that the multispecies fishery does not currently land more scallops on average per trip than other trawl fisheries. The only component of the multispecies fishery that does land close to the 400 pound possession limit is vessels participating in SAPs.

3.5.1.1.7.2 Lower possession limit for net fisheries other than under a multispecies DAS

For any net fishery (i.e. fishing on a limited access regulated species) not operating under a DAS, a vessel that qualifies for a limited access general category permit may use a net and land up to 200 pounds per trip, even if their permit allows them to land up to 400 pounds. This provision would not allow a vessel to land more scallops than it would be permitted to under its limited access general category permit. This alternative is similar to Section 3.1.2.6.3, with an exception for vessels fishing under a multispecies DAS. These vessels would not be restricted to the lower possession limit.

Rationale for Rejection: Same as above.

3.5.1.1.8 Sectors and Harvesting Cooperatives

3.5.1.1.8.1 Add “mechanism to adopt sectors and harvesting cooperatives” as a frameworkable item

This alternative would add “mechanism to adopt sectors and harvesting cooperatives” to the list of frameworkable items. The Council could then decide to consider and approve sectors in a future framework, rather than an amendment.

Rationale for Rejection: NOAA Counsel advised that this mechanism would have to be adopted by an amendment; therefore, the Committee recommended adding this as a frameworkable item be considered and rejected.

3.5.1.2 Alternative to modify the possession limit restriction

The Scallop Committee recommended inclusion of an alternative that would change the current 400 pound possession limit to a 400 pounds per 24-hour day restriction, with a cap of no more

than five days to be landed at once. If a vessel is on a multiple day trip it would be permitted to bring in more than 400 pounds on one trip. For example, if a vessel went on a three- day trip (which could be confirmed through VMS), it could possess and land up to 1,200 pounds of scallop meat, or if it was a two-day trip, the vessel could land/possess up to 800 pounds. This alternative would apply to both access area trips and open area trips, but a vessel would be restricted to a five day limit, or 2,000 pounds per five-day trip.

Rationale for Rejection: Aspects of this alternative were incorporated into Alternative 3.1.2.4.1.3 at the June 2006 Council meeting, but it is now limited to the IFQ alternative only. The majority of the Council was uncomfortable with the potential unintended consequences of this alternative. For example, this alternative may have the potential to change fishing behavior if vessels can land 2,000 pounds on one trip, potentially having safety impacts. The current “dayboat” fleet provides a valuable product to the market, and increasing the possession limit may impact that product for some vessels. In addition, the price/demand of a general category permit would likely increase if the possession limit were increased to 2,000 pounds, and it would be more attractive for limited access vessels to fish under general category rules if the possession limit increased.

3.5.1.3 Hard Total Allowable Catch (Hard TAC)

3.5.1.3.1 Hard TACs by area, quarter, or combination of area and quarter

A hard TAC would be developed for certain areas, or both area and quarter. The Scallop Committee recommends that the document consider an alternative that would develop a quarterly TAC for qualifying vessels (Alternative 3.1.2.4.7). Once the Regional Administrator projects the TAC for that area is going to be reached, the fishery would close. This option could be implemented for only vessels that qualify for a limited access general category permit, or if the Council decides not to implement limited entry. It is not clear yet whether vessels would be restricted to certain areas, or if they would be permitted to move freely to different areas.

Rationale for Rejection: The Committee did not spend a significant amount of time developing hard-TAC alternatives based on input from scoping and derby concerns. The Council wanted to leave one hard-TAC option in for consideration (Section 3.1.3).

3.5.1.3.2 Hard TAC on an individual basis

The general category fishery could be managed by current input controls (possession limits) and a hard TAC on an individual basis. If coupled with limited access all qualifiers would get an equal allocation. If under open access vessels would apply for a permit annually, and after the Regional Administrator determines the general category TAC for the year and the number of vessels, each vessel would be allocated an equal share of the general category TAC. Each vessel would be permitted to land up to 400 pounds per trip until their individual hard-TAC was caught. A vessel would be responsible to monitor their own TAC, and would be in violation if they land/possess more than their individual TAC. After an individual TAC is caught, a vessel could land/possess scallops and under an incidental permit while fishing for other species, unless Amendment 11 changes that provision.

Rationale for Rejection: There are administrative and monitoring issues with this alternative. It is very complex, and may be impossible to implement under open access.

3.5.1.4 Monitoring Provisions

3.5.1.4.1 Daily dealer reporting

This alternative would require federal dealers to report scallop landings on a daily basis only if Amendment 11 implements limited entry for the general category scallop fishery and allocation is in pounds (if in number of trips or TAC no daily reporting required).

Rationale for Rejection: The Committee considered this alternative and determined that the cost and burden to dealers would not outweigh the benefits of daily reporting. Daily reporting may improve monitoring of an individual quota or TAC for the general category fishery, but daily reporting for one species does not seem feasible at this time.

3.5.1.5 Limited access fishing under general category rules

[None]

3.5.1.6 Allocation between limited access and general category fisheries (Objective #1)

3.5.1.6.1 Allocation for vessels that qualify for a general category limited access permit

3.5.1.6.1.1 Examine a range of 2-5% of the total allocable catch

3.5.1.6.1.2 Examine a range of 5-15% of the total allowable catch

3.5.1.6.1.3 Examine a range of 2-15% of the total allowable catch

3.5.1.6.1.4 Examine a range of 2-35% of the total allowable catch

Rationale for Rejection: The Scallop Committee considered all these ranges, and originally recommended 2.5 – 12.5%. They identified 12.5% at their first meeting as an upper bound that would reflect the negative consequences of a high allocation, so any amount higher than that would be unreasonable based on the Committee rationale for the alternative they selected for consideration. The Council ultimately selected 2.5 to 11% as the final range for consideration.

3.5.1.6.1.5 Adjust allocation between general category and limited access sectors if total projected catch is above 60 million pounds

If total annual projected catch is above 60 million pounds, the difference in allocation should be split equally between the general category and limited access sectors. For example, if projected catch is 70 million, then 10 million should be allocated 50% to general category and 50% to limited access; so 5 million pounds would be added to the allocated portion of 60 million for each sector.

Rationale for Rejection: The Scallop Committee did not recommend including this for analysis.

3.5.1.6.2 Allocation for limited access general category qualifiers between open and access areas

During development of alternatives the advisors, PDT and Committee have discussed the complication of allocation for limited access general category qualifiers in terms of open areas versus access areas. The alternatives in this section describe how the general category allocation would be allocated in terms of open areas or access areas.

3.5.1.6.2.1 No Action

Currently the general category has been allocated 2% of the TAC for each access area, allocated in a fleetwide total number of trips. For example, in 2006 577 trips were allocated to the general category fleet in Nantucket Lightship, which was about 2% of the TAC for that access area (577 trips x 400 pounds = 230,800 pounds). This allocation decision is currently made during the biennial specification process. So if this alternative is selected, it is understood that a specific percentage of the TAC per access area would be allocated to the general category fleet, converted into a total number of fleetwide trips. It is understood that this allocation (2% or otherwise) could be variable for each area in future years. The framework would analyze the impacts of variable allocations.

3.5.1.6.2.2 Allocate the same percent that is allocated overall for each access area

This alternative would allocate an equal percent of access area TAC to what the Council selects for overall allocation for the general category fishery (Section 3.1.7). For example, this document is considering allocating a portion of the total TAC (2.5% to 11%) to the general category fishery. If the Council selects 2.5%, then the general category would be allocated 2.5% of the TAC in all access areas as well (starting in FY2008). On the other hand if the Council decides to allocate 11% of the TAC to the general category fishery, then 11% of each access area would be allocated to that sector of the fleet (starting in FY2008). It is assumed that the allocation for access areas would still be a fleetwide total allocation of trips, not on an individual basis. Once the total number of trips is taken, the access area would close for all general category vessels.

Rationale for Rejection: All of Section 3.5.1.6.2 was moved to the considered but rejected section at the June 2006 Council meeting. It was discussed that it may not be effective to allocate the same percent per access area to the general category fishery. About 2% of the total TAC has been allocated to the general category fishery in previous access programs, but it was noted during this process that it may be most effective to consider variable percents for different access areas. For example, the 2% allocated in Closed Area II has never been caught by the general category fishery. It was discussed that these decisions are best considered in future framework actions that set specifications and allocations for the access area program and there is nothing in current regulations to prevent different percentages from being considered.

3.5.1.7 Incidental Catch (Objective #4)

3.5.1.7.1 Consider an incidental catch for different fisheries appropriate for each fishery

Examine available bycatch data and define what an appropriate incidental catch limit would be for different fisheries. For example, if data reflects that 30 pounds is appropriate for the fluke

fishery then the incidental catch for that fishery should be adjusted downward. And if data reflects that 300 pounds is appropriate for the Closed Area II SAP groundfish fishery, then the incidental catch for that fishery should be adjusted upward from 40 pounds.

Rationale for Rejection: The PDT reviewed this alternative and recommended it be considered and rejected for the following reasons: 1) it is not well defined, 2) would be very difficult to analyze because there is very little observer data for the general category fishery, 3) it is very difficult to define when a vessel is “in” a certain fishery, 4) incidental catch is not a large concern for mortality and it is possible that vessels that land more than 40 pounds under general category now (like some components of the groundfish fishery) are likely to qualify for a limited access general category permit anyway]. The Committee agreed with these recommendations and rejected this alternative for consideration.

3.5.1.7.2 Prohibit landing of incidental catch (zero possession limit)

This option would prevent all vessels from landing scallops unless under a limited access or limited access general category scallop permit. Limited access vessels not on a scallop DAS would be prohibited from possessing scallops. Vessels that qualify for a general category limited entry permit would be prohibited from possessing scallops when fishing for other species and not on a general category trip. And all other vessels that currently are permitted to land an incidental catch of 40 pounds under a general category 1A permit would be prohibited from possessing or landings scallops.

Rationale for Rejection: The Committee does not recommend that the incidental scallop permit be eliminated under this action. The PDT notes that incidental catch does not have a large impact on mortality and the current incidental catch permit reduces scallop bycatch when vessels are targeting other species.

3.5.1.7.3 Any vessel participating in a special access program(SAP) program can land up to 400 pounds of scallops per trip whether they qualify for a limited entry general category permit or not

A vessel participating in a SAP would be exempt from general category rules. Specifically, if limited entry was approved these vessels would not have to qualify and could land up to 400 pounds of scallops when on a SAP trip. These vessels would not be permitted to land scallops over 40 pounds when not on a SAP trip. If a vessel does qualify for a limited entry general category permit and it is approved, scallop landings from SAP trips would not count against an individual quota or hard TAC. Landings from these trips are considered incidental and increasing the limit from 40 to 400 pounds is a bycatch reduction measure.

Rationale for Rejection: While preliminary data show that SAP trips are on average close to the 400 pound possession limit, discard mortality of scallops is considered low.

3.5.2 Measures to allow better and more timely integration of recent data (Goal #2, Objective #5)

3.5.2.1 Annual management of scallops

This alternative would change scallop specification setting to an annual basis rather than biennially as it currently is. Biennial management was approved under Amendment 10 and this alternative would change that process to an annual cycle. Any measures like DAS, TACs, and access area allocations would be made on an annual basis, rather than every two years.

Rationale for Rejection: This alternative would reduce uncertainty in setting TACs two years out using older data. It would improve integration of more recent survey and fishery data; however it does not address the timing issue of the survey. Data from the most recent survey conducted in the summer would not be available for the specifications set that following March; therefore, specifications would be based on year old data. In addition, there are currently not enough resources available or time for the Council to consider specifications every year for this fishery. It would leave no time for development of actions to adjust the FMP in general, all available time and resources would be spent on the annual specifications.

3.5.3 Other measures

3.5.3.1 Formation of sectors for the existing limited access scallop fishery

This alternative would establish a process for the creation of fishing “sectors” and the allocation of TAC shares to the sectors, specific to the limited access scallop fishery. Groups may be formed around common fishing practices, common homeport or landing port, common fishing area, common marketing arrangements, etc. Details on eligibility criteria, operations plan elements, monitoring and enforcement of sectors, allocation rules, and other related issues would have to be defined. How the sector chooses to harvest its allocation could include a wide range of arrangements, including, but not limited to, a plan that simply sub-divides the TAC or a measure of effort among the vessels.

The purpose of establishing this process is to allow greater opportunities for fishery participants to proactively engage in resource governance, to provide greater flexibility for participants, to guide the appropriate development of capacity, and, last, to create outcomes that are more socially and economically relevant for fishing groups within the biological limitations of the fishery (TACs).

Rationale for Rejection: The Council rejected this option for inclusion in Amendment 11 at the September 2006 Council meeting because this action is primarily focused on the general category fishery. Rather the Council has created a stand alone committee for 2007 that will focus on development of sector management in the Northeast region. An omnibus plan may be developed including overall guidelines and principles for sector management and potential creation of sectors in all fisheries in this region. The Council determined that this would be a more comprehensive way to address potential issues with sectors in the limited access scallop fishery. The Council revisited consideration of this alternative again at the April 2007 Council meeting and again decided not to include it in Amendment 11. Depending on how the new Sector Committee progresses, this issue could be readdressed in the next Scallop Amendment.

3.5.3.2 Consider an alternative that would make the habitat areas in Closed Area I consistent

Scallop Amendment 10 and Multispecies Amendment 13 implemented slightly different closed areas for habitat protection. Joint Framework 39/16 included analyses supporting that these areas be consistent and that action implemented one set of habitat closed areas. However, NMFS was sued on this action and the judge found that considering changes to habitat areas should not be done in a framework action. During development of Amendment 11 both the Scallop PDT and Committee have discussed that the current rotational program is adversely impacted by both habitat closed areas being closed to the scallop fishery, and the system needs to be more flexible. Specifically, Closed Area I (as reduced by the FW16 settlement) can only support one more access trip in the near future (opening in June 2007). The biomass in the reduced area will not support another access area trip under FW19 (FY2008 and FY2009) unless the area reverts back to what it was under FW16; therefore, access may be in areas that are less optimal (i.e. Closed Area II or Nantucket Lightship).

Rationale for rejection: The Council considered this alternative at the April 2007 Council meeting but it was decided to table it indefinitely. It was discussed that Phase II of the EFH Omnibus Amendment may be the most appropriate vehicle to reconsider the habitat areas overall.

4.0 AFFECTED ENVIRONMENT

The environment affected by the sea scallop fishery as a whole is described in Section 7 of Amendment 10 to the Sea Scallop FMP (NEFMC 2003). That description is incorporated herein by reference. The Scallop Plan Development Team completed a Stock Assessment and Fishery Evaluation Report (SAFE Report) in Framework 18 (NEFMC, 2005), and will update that SAFE Report in Framework 19 (expected submission in 2007). Updated data and analysis of the fishery will be completed, including the update assessment of the scallop resource, new estimates on safety trends, new analyses of limited access scallop effort distribution, and new estimates of finfish bycatch in both the controlled access and open areas.

A benchmark assessment for Atlantic sea scallop is scheduled for June 2007. All the parameters of the scallop stock assessment will be reviewed and the Stock Assessment Review Committee (SARC) will approve an updated assessment that will be summarized in Framework 19 as well. Since this action is falling in-between SAFE Reports it will simply summarize information from the most recent SAFE Report and update relevant data through fishing year 2006 (to date). This section will include focused information on the general category since that is the primary component of the fishery this action is addressing. Although landings, social, and economic aspects of the entire scallop fleet are described in this section, this section will include focused information on the general category fleet since that is the primary component of the fishery this action is addressing. However, impacts on current limited access vessels will result indirectly from controls on general category vessels, and directly from measures proposed for limited access vessels. The focus on the limited access fleet in this section is therefore based on landings by limited access vessels outside of DAS under general category rules.

This section includes a summary of information known about the scallop resource, EFH, and threatened, endangered and other protected species within the area the scallop fishery takes place. Furthermore, data about the fishery is included, as well as bycatch of non-target species in the scallop fishery. Furthermore, an update of fishery information is included through fishing year 2006 (to date).

4.1 THE ATLANTIC SEA SCALLOP RESOURCE

The biological environment potentially affected by this action includes fishery resources. This section will focus on those fishery resources for which data are readily available, namely those targeted by commercial fisheries.

The management unit for the Scallop FMP consists of the sea scallop resource throughout its range in waters under the jurisdiction of the U.S. The six resource areas generally recognized within the management unit are: (1) Delmarva; (2) New York Bight; (3) South Channel; (4) Southeast part of Georges Bank; (5) Northeast peak and the northern part of Georges Bank; and (6) the Gulf of Maine. The Delmarva area includes scallops as far south as North Carolina (NEFMC 2003).

The Atlantic sea scallop (*Placopecten magellanicus* (Gmelin)) is a bivalve mollusk distributed along the continental shelf, typically on sand and gravel bottoms, from North Carolina to the north coast of the Gulf of St. Lawrence (Hart and Chute, 2004). Large concentrations of sea

scallops are found on Georges Bank and the Mid-Atlantic shelf, while smaller concentrations are found along coastal Maine, in the Bay of Fundy (Digby grounds), in the Gulf of St. Lawrence, on St. Pierre and Browns Bank, and Port au Port Bay, Newfoundland (NEFMC 2003).

Atlantic sea scallops generally occur on gravel or sand bottoms where temperatures remain below 20° C. They typically occur in shallow water (less than 40 m depth) north of Georges Bank, though they have been occasionally observed in waters over 350 m deep in the Gulf of Maine (Hart and Chute, 2004). On Georges Bank sea scallops typically occur between 30 and 110 m depth, while they are distributed between 20 and 80 m in the Mid-Atlantic. The major U.S. fishing grounds are Georges Bank and the Mid-Atlantic Bight, though a relatively small scallop fishery does exist in the Gulf of Maine, generally in shallow, nearshore waters (Hart and Rago, 2006, Smith, 1891).

The Atlantic sea scallop has separate sexes with external fertilization. The pelagic larval stage lasts 4-7 weeks and settlement usually occurs on firm sand, gravel, shells, etc. Scallops are generally sexually mature at age 2, but more significant gamete production may not occur until age 4 (MacDonald, and Thompson, 1986). Scallops grow rapidly during the first few years of life and can quadruple their meat weight between the ages of 3 to 5 (NEFSC, 2004). Currently, scallops recruit to the fishery when they are about 4-5 years old, but historically 3 year old scallops were often exploited, which reduced the overall reproductive capacity of the resource. Spawning generally occurs in late summer or early autumn. DuPaul et al. (1989) found evidence of spring and autumn spawning in the Mid-Atlantic Bight area and Almeida et al. (1994) and Dibacco et al. (1995) found evidence of limited winter-early spring spawning on Georges Bank.

4.1.1 Atlantic sea scallop assessment

The federal scallop survey is the primary source of data used in the biological component of the scallop assessment. The scallop dredge survey has been conducted in a consistent manner since 1979. An 8-foot modified scallop dredge is used with a 2" rings and a 1.5" liner. Tows are 15 minutes in length at a speed of 3.8 knots, and stations are identified using a random-stratified design. About 500 stations are completed each year on Georges Bank and the Mid-Atlantic. Currently there is a Scallop Survey Advisory Panel (SSAP) reviewing the scallop survey and making recommendations about how future surveys should be conducted, since the vessel platform currently being used (R/V Albatross IV) is going out of service. The panel is considering all types of modifications to the scallop survey program and recommendations will be made through the Council in the near future.

The scallop assessment was last reviewed at SAW 39 in 2004. The invertebrate subcommittee updated the status of the scallop resource, evaluated stock status, provided short-term projections of biomass and catch, updated biological reference points, evaluated information by various current survey approaches, and discussed stock assessment modeling approaches using both fishery independent and dependent data.

Primary components of the assessment process are defining parameters for scallop growth, maturity and fecundity, shell height/meat weight relationships, recruitment, and estimates of natural mortality. These data are combined with fishery data (landings and discards) to estimate fishing mortality rates and biological reference points used in the status determination. The per-

recruit reference points F_{\max} and B_{\max} are used by managers as proxies for F_{msy} and B_{msy} because the stock-recruitment relationship for scallops is not well defined. B_{\max} is defined as in survey units (meat weight in grams per tow) and is the product of BPR_{\max} (biomass per recruit at $F=F_{\max}$) times median historical recruitment. For scallops B_{\max} was calculated as 5.6 kg/tow (NEFSC, 2003). Sea scallops are overfished when the survey biomass index for the whole stock falls below $\frac{1}{2} B_{\max}$. F_{\max} is the fishing mortality rate for fully recruited scallops that generates maximum yield-per-recruit. Overfishing occurs if fishing mortality exceeds the F_{msy} proxy (F_{\max}). Management is currently based on an overfishing threshold of $F_{\max} = 0.24$ and a target of $0.8F_{\max} = F_{\text{target}} = 0.2$.

Status Determinations

Stock status has been fluctuating for scallops in recent years. Overall biomass has increased almost without interruption since 1997 (Figure 4). Overall biomass in 2004 was 8.2 kg/tow, 54% above the target. Fishing mortality declined from high levels near 1.0 (60% annual exploitation) before 1994 to near the maximum threshold ($F=0.24$) in 1998-2000. Since then, fishing mortality has gradually increased to 0.35 in 2004 and has decreased since then.

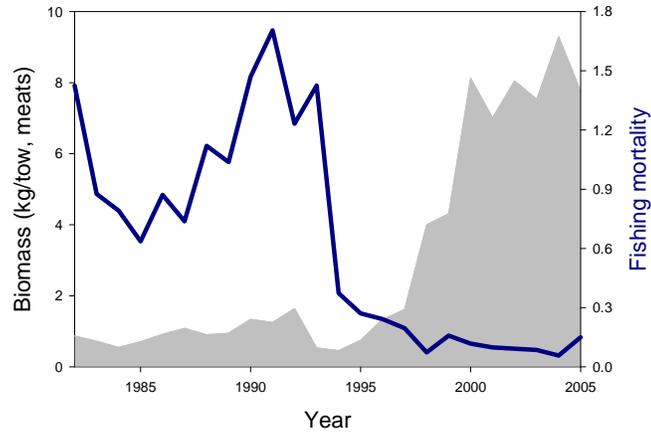
Going back to 2003, scallop biomass was about 7.6 kg/tow, above B_{\max} of 5.6 kg/tow, so the stock was not overfished. However, the fishing mortality estimate for 2003 was 0.30, above the 0.24 threshold so overfishing was occurring. Again in 2004, overall biomass peaked at 8.2 kg/tow so the stock was not overfished, but fishing mortality was 0.35 overall so overfishing was still occurring. In 2005, scallop biomass was at 7.8 kg/tow above B_{\max} of 5.6 kg/tow so scallops were not overfished. Furthermore, overall fishing mortality reduced to 0.22, slightly under the overfishing threshold of 0.24, so overfishing was no longer occurring. The estimates for 2006 are not complete yet, but preliminary calculations suggest an overall biomass index of 7.1 kg/tow. After the summer survey data in 2006 were incorporated into the projection model, overfishing was projected to occur in 2007 under status quo measures implemented by Framework 18. Therefore, NMFS took interim action to reduce the number of trips allocated in the Elephant Trunk Access Area to reduce overall mortality. Projections suggest that a reduction in these trips should reduce fishing mortality from 0.26 to 0.22. Therefore, for 2007 overfishing is no longer projected to occur.

When the Scallop PDT updated the projections for 2007 they informed the Council of several assumptions in the projection that could be overestimating biomass. These assumptions are going to be reviewed at the benchmark assessment this summer, and future estimates may be adjusted based on the proceedings at SAW45. First, there is increasing evidence that growth in the Mid-Atlantic in general, and in the Elephant Trunk Area specifically, is slower than what is assumed in the projection model. Second, the data used for the shell height/meat weight relationship is from scallops caught in July when scallops have better yield in terms of meat weight at a given shell size. Therefore, using the shell height/meat weight from this period of time will produce a more robust estimate of biomass. Incorporating estimates from other times during the year would prevent an overly optimistic estimate of biomass based on a July number only. Lastly, the model assumes a 20% discard mortality rate, and while that is a reasonable estimate for scallops region wide, in areas like the Elephant Trunk access area, a higher discard mortality rate may be justified, especially in warmer months when air and water temperatures are higher. The benchmark assessment scheduled for June 2007 (SAW 45) will review the

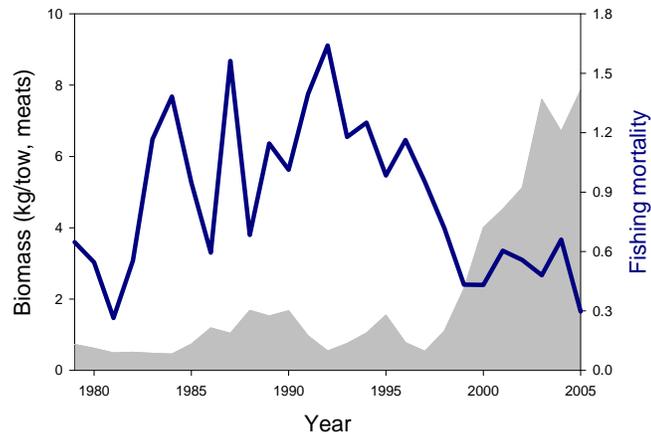
parameters currently used in the scallop assessment and it is possible that some of these factors like growth, shell height meat/weight relationships and discard mortality rates may change, which could affect the overall estimate of B_{max} and F_{max} .

Figure 4 - Sea scallop survey biomass and estimated fishing mortality for Georges Bank, Mid-Atlantic, and combined.

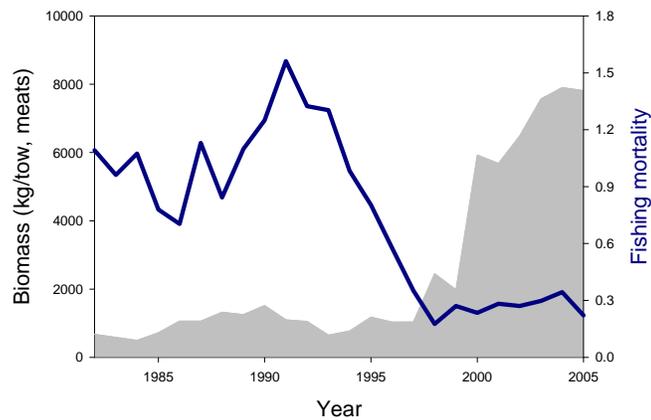
(a) Georges Bank



(b) Mid-Atlantic



(c) Overall



Scallop Biomass in 2006

Despite fishing mortality being above the target in recent years, the resource remains in relatively good condition, with a greater share of the landings coming from older and larger scallops. Two very strong year classes have been protected by the Elephant Trunk Area (ETA) closure and higher sustainable yield is forecasted particularly when the benefits of the ETA closure are realized in 2007. Over one-quarter of the total scallop biomass is contained in the ETA. The 2006 survey did see a reduction in biomass in both open and access areas. Allocations under Framework 19 for fishing years 2008 and 2009 are expected to be lower than previous years, though projected catch is still higher than the historical average.

Since 1994 scallop biomass on Georges Bank has increased by a factor of 18 and in the Mid-Atlantic Bight by a factor of 8 (Hart and Rago, 2006). This recent “boom” is likely the result of a combination of improved management (that has increased average meat weight of landed scallops) and very strong recruitment on both Georges Bank and the Mid-Atlantic. Figure 5 shows trends in biomass on Georges Bank since 1984. Biomass in open areas, the access areas, and overall were at lower levels until the mid 1990s. Biomass has increased dramatically in the access areas and overall the preliminary calculation for 2006 is 7.1 kg/tow, well above the B_{\max} of 5.6 kg/tow. Figure 6 show the mean weight per tow for the survey in 2006, and preliminary calculations suggest that biomass on Georges Bank is 6.3 kg/tow projections. The highest concentrations of biomass on Georges Bank are currently on the northern edge of Georges Bank and within the Closed Area I and Nantucket Lightship closed areas.

Overall biomass in the Mid-Atlantic has increased since the mid 1990s as well, particularly in the scallop rotational closed areas. Figure 7 shows that while the Hudson Canyon area was closed from 1998 through 2001, biomass increased; similarly since 2004 when the Elephant Trunk area was closed biomass in that area has steadily increased as well. Figure 8 shows the mean weight per tow for the survey in 2006, and the primary calculations suggest that biomass in the Mid-Atlantic is 7.8 kg/tow.

However, for the last several years there has been poor recruitment on Georges Bank. While recruitment is still above average in the Mid-Atlantic, growth rates are likely to be less than projections estimated; therefore, short term yields are expected to be lower. Projected catch is still above the historical average, but lower than the record level of landings the fishery has experienced in recent years.

Figure 5 – Georges Bank sea scallop biomass (open areas in dots, closed areas in dashes, and overall in solid line)

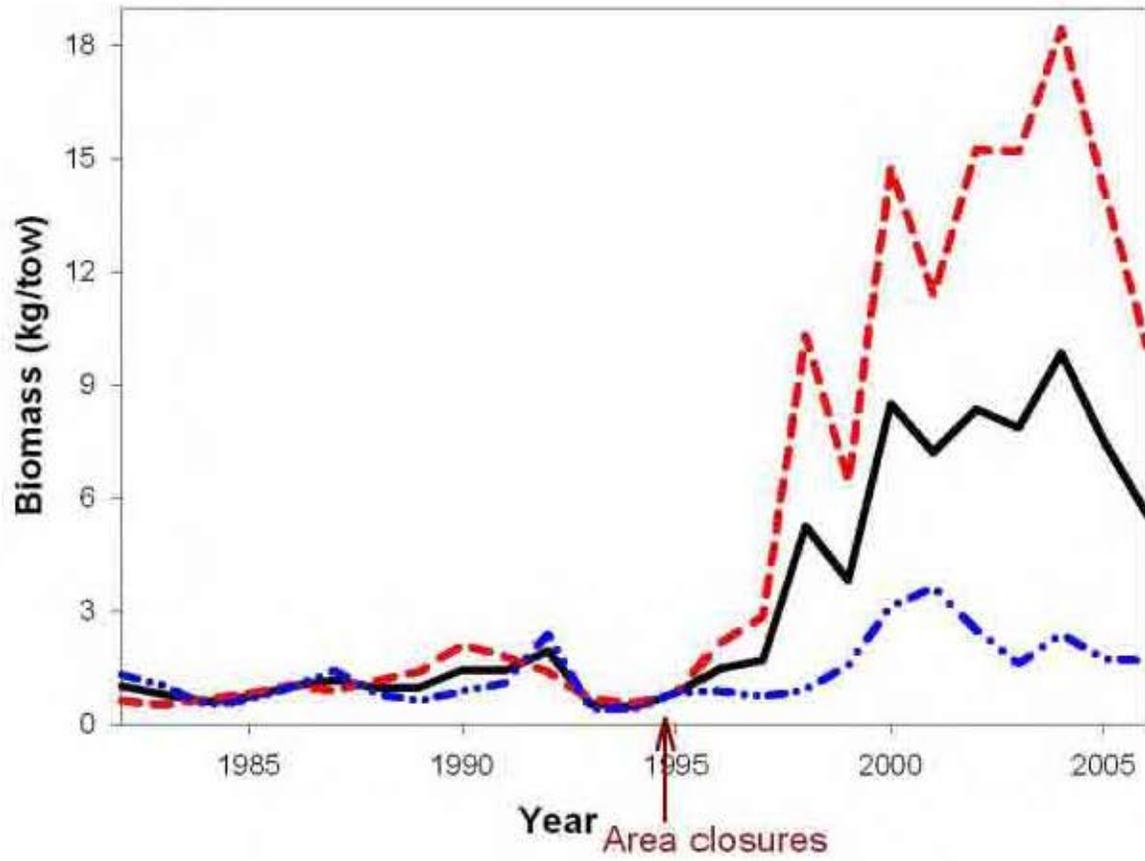


Figure 6 – Georges Bank biomass in kg/tow from the 2006 sea scallop survey

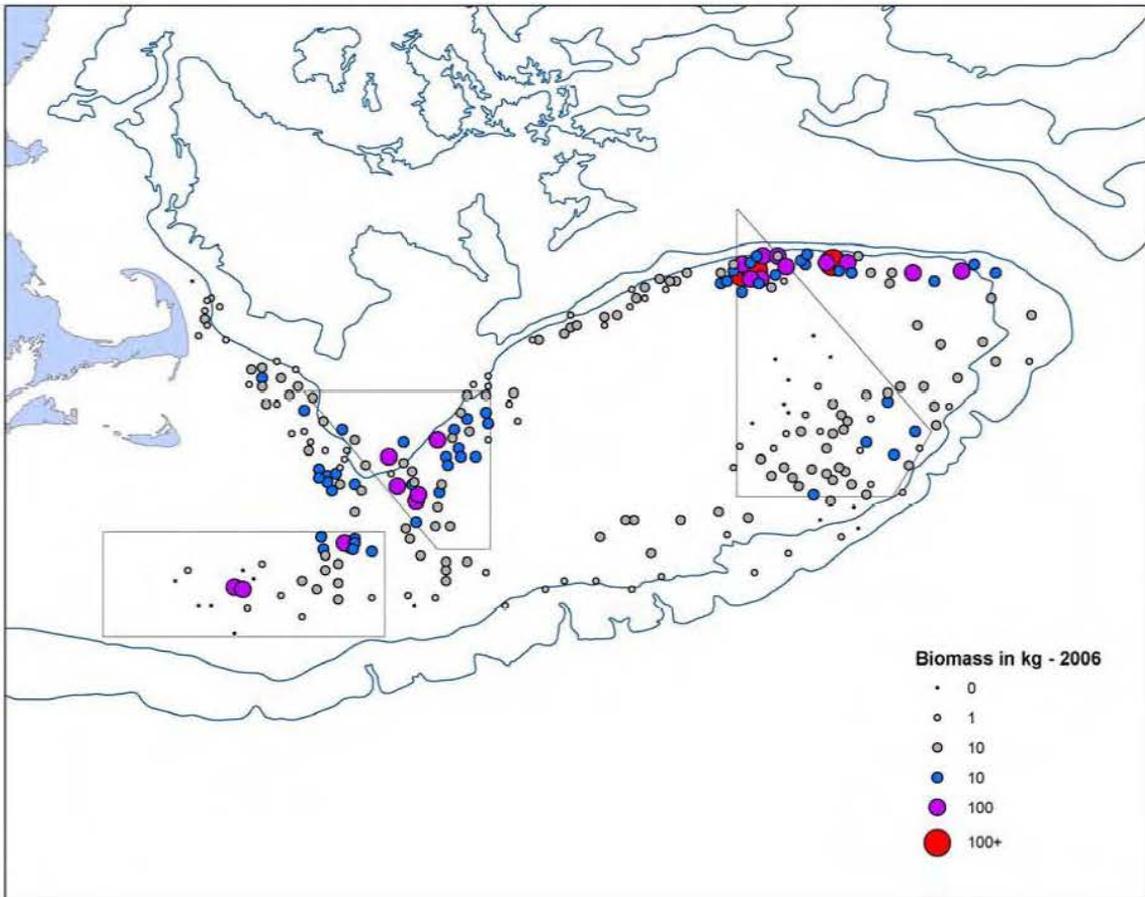


Figure 7 - Mid-Atlantic sea scallop biomass (open areas in dash/dots, Hudson Canyon in dots, Elephant trunk in dashes and overall in solid line)

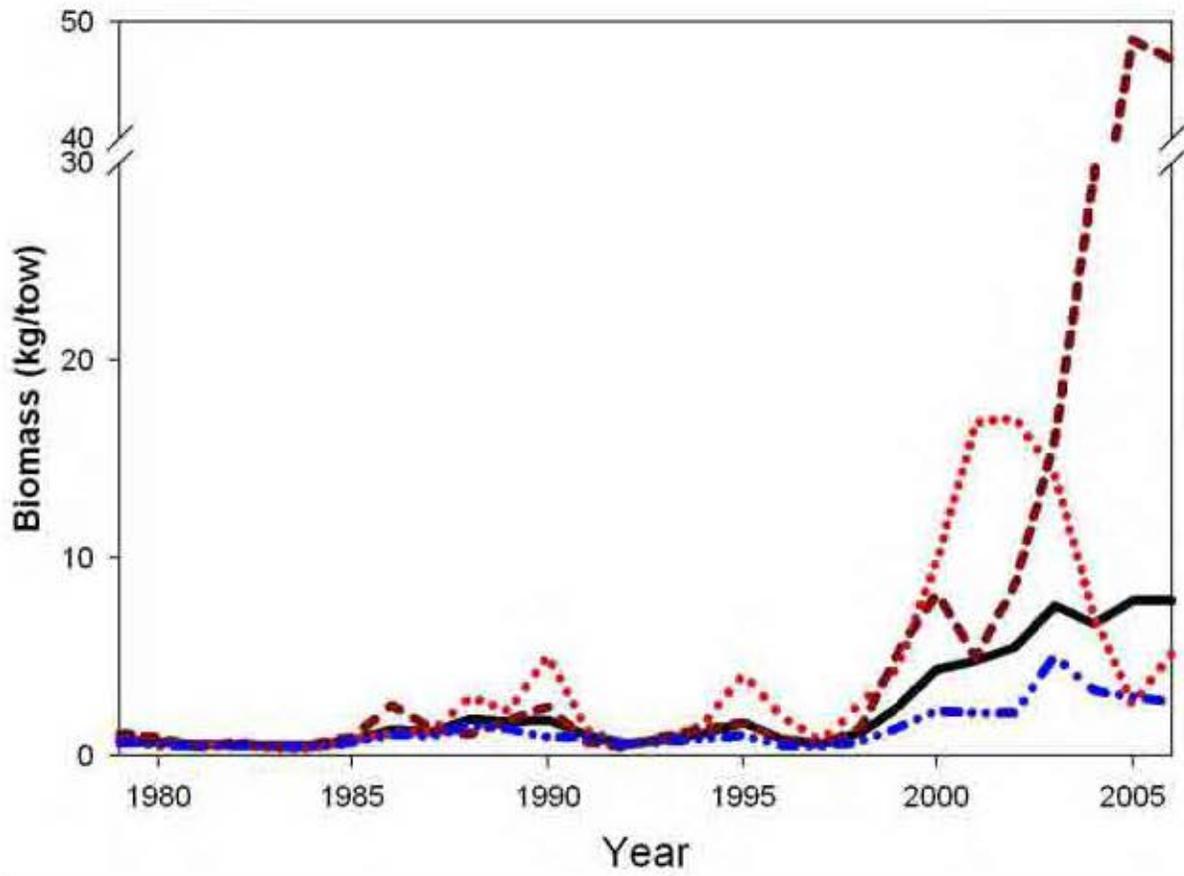
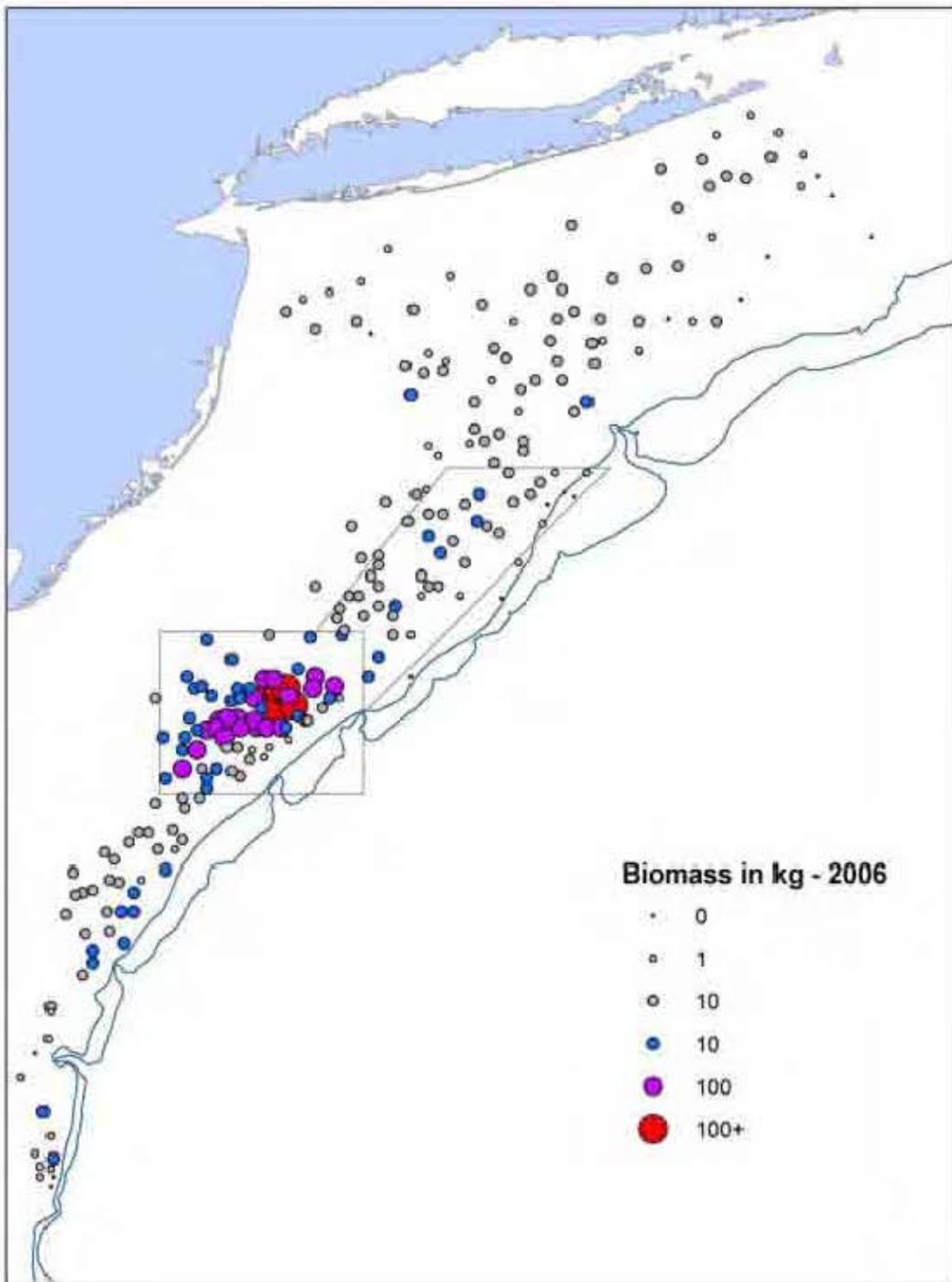


Figure 8 – Mid-Atlantic biomass in kg/tow from the 2006 sea scallop survey



4.2 PHYSICAL ENVIRONMENT AND ESSENTIAL FISH HABITAT (EFH)

The description of the affected environment is presented to provide sufficient background information on the various resources and entities likely to be affected by the actions proposed or under consideration in the SEIS. Several recent reports have been published which add to our understanding of the physical and biological environment of this region. This section deals with the *affected* environment and does not present the effects of the proposed management program.

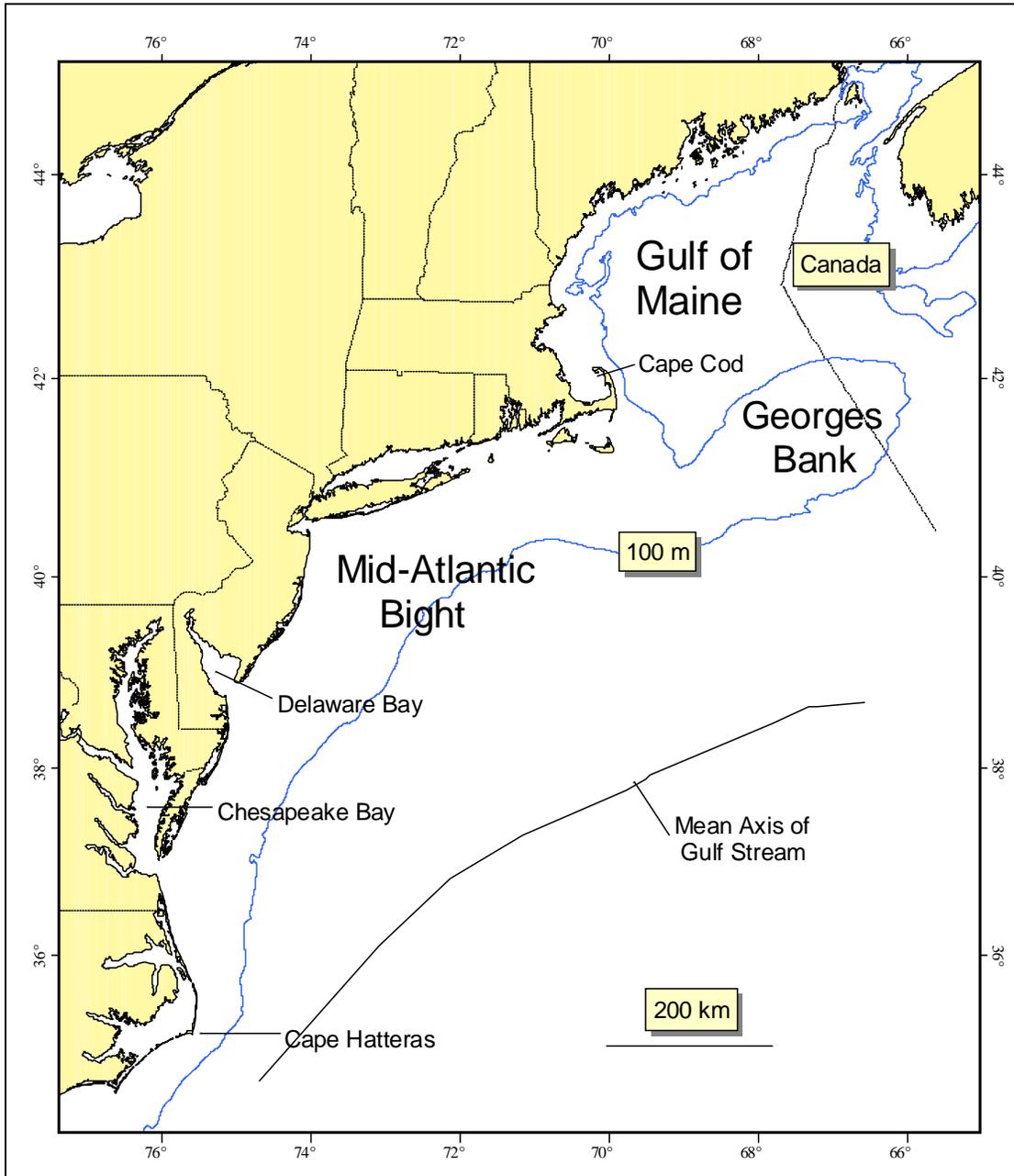
4.2.1 Physical Environment

This section contains a description of the physical environment of the Atlantic sea scallop fishery, including physical habitat conditions in the terrestrial/inshore areas and continental shelf and slope of the Gulf of Maine – Georges Bank and Mid-Atlantic regions.

The Northeast shelf ecosystem (Figure 9) has been described as including the area from the Gulf of Maine south to the state of North Carolina, extending from the coast seaward to the edge of the continental shelf, including the slope sea offshore to the Gulf Stream (Sherman et al. 1996). The continental slope of this region includes the area east of the shelf, out to a depth of 2000m. A number of distinct sub-systems comprise the region, including the Gulf of Maine, Georges Bank, the Mid-Atlantic Bight, the continental slope, and some of the New England Seamounts. Occasionally another subsystem, Southern New England, is described; however, we incorporated the distinctive features of this region into the descriptions of Georges Bank and the Mid-Atlantic Bight.

The Gulf of Maine is an enclosed coastal sea, characterized by relatively cold waters and deep basins, with a patchwork of various sediment types. Georges Bank is a relatively shallow coastal plateau that slopes gently from north to south and has steep submarine canyons on its eastern and southeastern edge. It is characterized by highly productive, well-mixed waters and strong currents. The Mid-Atlantic Bight is comprised of the sandy, relatively flat, gently sloping continental shelf from Southern New England to Cape Hatteras, NC. The continental slope begins at the continental shelf break and continues eastward with increasing depth until it becomes the continental rise. It is fairly homogenous, with exceptions at the shelf break, some of the canyons, the Hudson Shelf Valley, and in areas of glacially rafted hard bottom. Pertinent aspects of the physical characteristics of each of these systems are described in sections that follow. This review is based on several summary reviews (Backus 1987; Schmitz et al. 1987; Tucholke 1987; Wiebe et al. 1987; Cook 1988; Stumpf and Biggs 1988; Abernathy 1989; Dorsey 1998; Townsend 1992; Mountain et al. 1994; Conkling 1995; Beardsley et al. 1996; Brooks 1996; Sherman et al. 1996; Kelley 1998; NEFMC 1998; EPA 2003; Packer 2003; StormCenter Communications, Inc. 2004). Literature citations are not included for generally accepted concepts; however, new research and specific results of research findings are cited.

Figure 9 - U.S. Northeast Shelf Ecosystem



4.2.1.1 Inshore

The Gulf of Maine includes more than 59,570 km² (23,000 mi²) of estuarine drainage areas, and the long State of Maine coast supports the largest number of estuaries; west to east, important ones are Saco Bay, Casco Bay, Merrymeeting Bay, Sheepscot Bay, Muscongus Bay, Penobscot Bay, Blue Hill Bay, Frenchman Bay, Narraguagus Bay, Englishman Bay, Machias Bay, Cobscook Bay, and Passamaquoddy Bay (which straddles the international border). Among the major estuaries in the southwestern part of the Gulf are Massachusetts Bay and Great Bay in the State of New Hampshire. Estuarine features such as salt marshes, mud flats, and submerged aquatic vegetation are critical to inshore and offshore fishery resources of the Gulf. Estuaries are important for nutrient recycling, primary production, and function as important breeding and feeding grounds for many fish and shellfish populations and shorebirds, migratory waterfowl, and mammals. Sheltered areas may support salt marshes at higher tide levels, intertidal mudflats, and seagrass beds and muddy substratum subtidally; salt marshes are not as prominent in the Gulf region as they are farther south. Sandy beaches are also found more extensively farther south than in the Gulf.

The coast of the Gulf of Maine consists of rocky intertidal zones and sand beaches that are important habitats for fishery resources of the Gulf. As with the estuaries, coastal areas are important for nutrient recycling and primary production. Exposed or high wave energy places with bedrock or boulders support seaweed communities both intertidally and subtidally. Fishery resources may depend upon particular habitat features of the rocky intertidal/subtidal that provide important levels of refuge and nutrient sources.

Human activities in the surrounding watersheds influences the chemical loading of nutrients (especially nitrogen and phosphorus) and contaminants (heavy metals and organic) that enter estuarine systems. The biological effects of the loading is influenced by processes occurring within the estuaries, such as hydrology (balance between freshwater input from rivers and tidal/wind forced saltwater transport from ocean), sediment type on the bottom and bioavailability of contaminants to biota, metabolism of imported non-living dissolved organic carbon (DOC) and particulate organic carbon (POC) by biota in the water column and sediments, burial of DOC and POC in the sediments and chemical coagulation processes that transport toxics attached to suspended particles to the bottom, geochemical processes linking the sediments to the water column, biological processes that convert nutrients to phytoplankton and POC to DOC, and export of living and non-living total organic matter (TOC = DOC + POC) to the coastal ocean. These physical, chemical, geological and biological processes provide the context for the water column and benthic sedimentary habitat characteristics and biological/physical structure.

Another important set of estuarine characteristics is the seasonal/interannual changes in temperature and salinity as influenced by changes in the positive and negative stages of the North Atlantic Oscillation (NAO). The NAO is based on atmospheric pressure differences between the North Atlantic Ocean (Greenland or Iceland) and Mid-Atlantic regions (Lisbon or Azores) which influence the strength of the westerly winds. As pointed out by Oviatt (2004) for Narragansett Bay, the positive NAO index is associated with warmer water temperatures, higher salinity values, decline of winter-spring diatom bloom and higher early spring zooplankton

abundance (due to increased grazing by benthic filter feeders and macrozooplankton), decrease in demersal fish biomass (including winter flounder, windowpane flounder, red hake) and increase in demersal decapods (crabs and lobsters), and immigration of smaller, southern pelagic fish species (anchovy, butterfish, long finned squid). The negative NAO index is associated with colder, less saline water masses with lower nutrient values and a well developed winter-spring diatom bloom and strong recruitment of benthic fauna (polychaetes). The warmer winters and increased spring zooplankton levels fueled increases in ctenophore grazing on zooplankton and fish/invertebrate larvae. This grazing activity influences recruitment of fish and shellfish and increases the summer phytoplankton biomass. The opposite pattern occurs during cold winters. Thus large scale meteorological events affect the interannual temperature and salinity seasonal patterns in Narragansett Bay and other East coast estuaries.

4.2.1.2 Gulf of Maine/Georges Bank/Mid-Atlantic

Gulf of Maine

Although not obvious in appearance, the Gulf of Maine is actually an enclosed coastal sea of 90,700 km², bounded on the east by Browns Bank, on the north by the Nova Scotian (Scotian) Shelf, on the west by the New England states and on the south by Cape Cod and Georges Bank (GB). The Gulf of Maine (GOM) was glacially derived, and is characterized by a system of deep basins, moraines and rocky protrusions with limited access to the open ocean. This geomorphology influences complex oceanographic processes which result in a rich biological community.

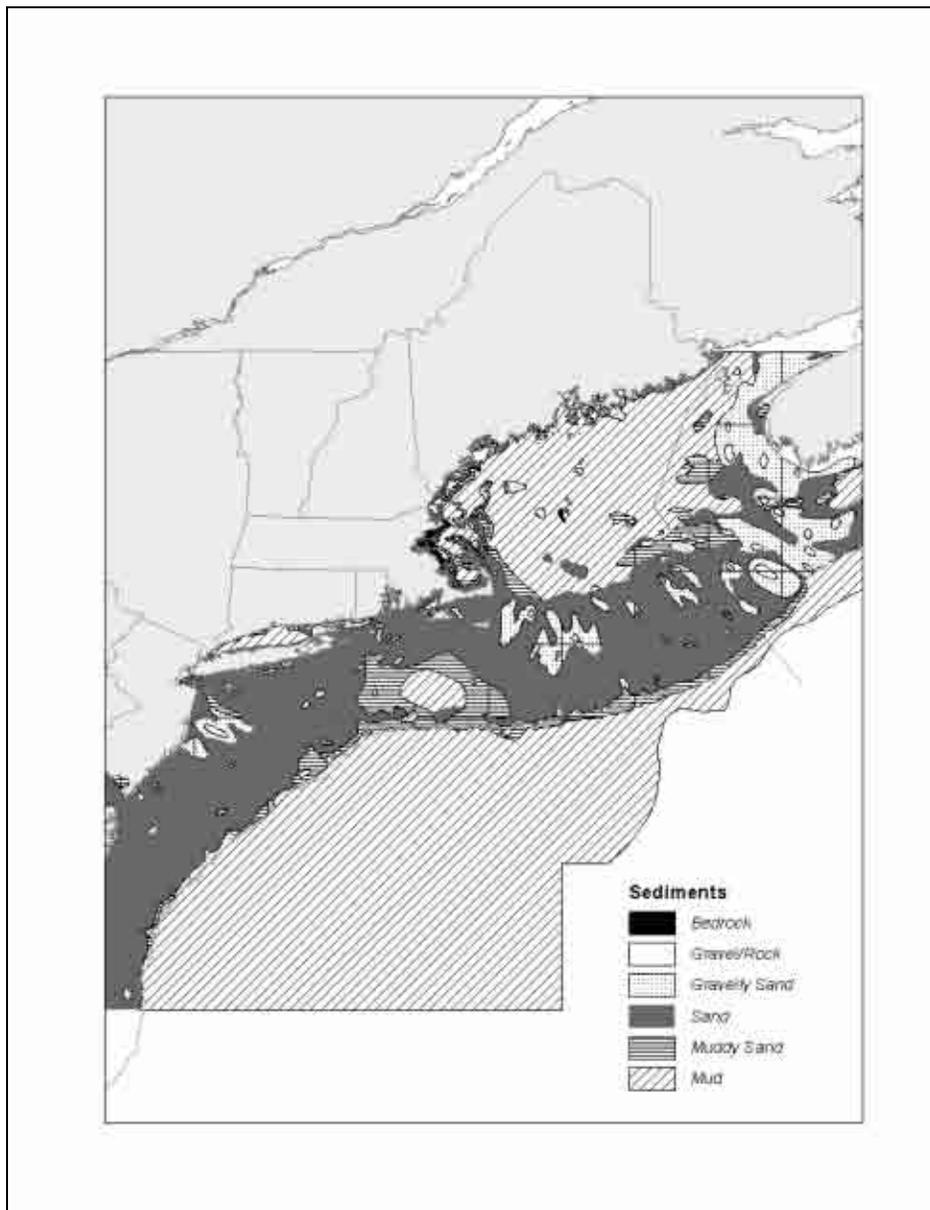
The Gulf of Maine is topographically unlike any other part of the continental border along the U.S. east coast. It contains 21 distinct basins separated by ridges, banks, and swells. The three (3) largest basins are Wilkinson, Georges, and Jordan. Depths in the basins exceed 250 m, with a maximum depth of 350 m in Georges Basin, just north of Georges Bank. The Northeast Channel between Georges Bank and Browns Bank, leads into Georges Basin, and is one of the primary avenues for exchange of water between the GOM and the North Atlantic Ocean.

High points within the Gulf include irregular ridges, such as Cashes Ledge, which peaks at 9 m below the surface, as well as lower flat-topped banks and gentle swells. Some of these rises are remnants of the sedimentary shelf left after the glaciers removed most of it. Others are glacial moraines and a few, like Cashes Ledge, are out-croppings of bedrock. Very fine sediment particles created and eroded by the glaciers have collected in thick deposits over much of the Gulf of Maine, particularly in its deep basins. These mud deposits blanket and obscure the irregularities of the underlying bedrock, forming topographically smooth terrains. Some shallower basins are covered with mud as well, including some in coastal waters. In the rises between the basins, other materials are usually at the surface. Unsorted glacial till covers some morainal areas, as on Sewell Ridge to the north of Georges Basin and on Truxton Swell to the south of Jordan Basin. Sand predominates on some high areas and gravel, sometimes with boulders, predominates on others.

Coastal sediments exhibit a high degree of small-scale variability. Bedrock is the predominant substrate along the western edge of the Gulf of Maine north of Cape Cod in a narrow band out to a depth of about 60 m. Rocky areas become less common with increasing depth, but some rock outcrops poke through the mud covering the deeper sea floor. Mud is the second most common

substrate on the inner continental shelf. Mud predominates in coastal valleys and basins that often border abruptly on rocky substrates. Many of these basins extend without interruption into deeper water. Gravel, often mixed with shell, is common adjacent to bedrock outcrops and in fractures in the rock. Large expanses of gravel are not common, but do occur near reworked glacial moraines and in areas where the seabed has been scoured by bottom currents. Gravel is most abundant at depths of 20-40 m, except in eastern Maine where a gravel-covered plain exists to depths of at least 100 m. Bottom currents are stronger in eastern Maine where the mean tidal range exceeds 5 m. Sandy areas are relatively rare along the inner shelf of the western Gulf of Maine, but are more common south of Casco Bay, especially offshore of sandy beaches.

Figure 10 - Distribution of surficial sediments, Gulf of Maine, Georges Bank, and the Mid-Atlantic Bight (modified from original map by Poppe *et al.* 1989a, b)



An intense seasonal cycle of winter cooling and turnover, springtime freshwater runoff, and summer warming influences oceanographic and biologic processes in the Gulf of Maine. The Gulf has a general counterclockwise nontidal surface current that flows around its coastal margin. It is primarily driven by fresh, cold Scotian Shelf water that enters over the Scotian Shelf and through the Northeast Channel, and freshwater river runoff, which is particularly important in the spring. Dense relatively warm and saline slope water entering through the bottom of the Northeast Channel from the continental slope also influences gyre formation. The gyre moves surface waters at a rate of approximately 7 nm/day, with a single revolution around the entire Gulf taking about three (3) months. These surface gyres are more pronounced in spring and summer; with winter, they weaken and become more influenced by the wind. Counterclockwise gyres generally form in Jordan, Wilkinson, and Georges Basins and the Northeast Channel as well; they circulate more slowly, taking about a year for deep Gulf water to cycle through the basin system. In the summer, the water of these basins becomes layered into warm, nutrient-poor surface water; cold, nutrient-rich intermediate water; and cool, high-salinity bottom water. Water exits the Gulf primarily through the 75 m deep Great South Channel, between western Georges Bank and Nantucket Shoals. Water also flows out of the Gulf over the eastern portion of Georges Bank.

Stratification of surface waters during spring and summer seals off a mid-depth layer of water that preserves winter salinity and temperatures. This cold layer of water is called “Maine intermediate water” (MIW) and is located between more saline Maine bottom water and the warmer, stratified Maine surface water. The stratified surface layer is most pronounced in the deep portions of the western GOM. Tidal mixing of shallow areas prevents thermal stratification and results in thermal fronts between the stratified areas and cooler mixed areas. Typically, mixed areas include Georges Bank, the southwest Scotian Shelf, eastern Maine coastal waters, and the narrow coastal band surrounding the remainder of the Gulf.

The Northeast Channel provides an exit for cold MIW and outgoing surface water while it allows warmer more saline slope water to move in along the bottom and spill into the deeper basins. The influx of water occurs in pulses, and appears to be seasonal, with lower flow in late winter and a maximum in early summer.

Gulf of Maine circulation and water properties can vary significantly from year to year. Notable episodic events include shelf-slope interactions such as the entrainment of shelf water by Gulf Stream rings, and strong winds that can create currents as high as 1.1 meters/second over Georges Bank. Warm core Gulf Stream rings can also influence upwelling and nutrient exchange on the Scotian shelf, and affect the water masses entering the GOM. Annual and seasonal inflow variations also affect water circulation.

Internal waves are episodic and can greatly affect the biological properties of certain habitats. Internal waves can shift water layers vertically, so that habitats normally surrounded by cold MIW are temporarily bathed in warm, organic-rich surface water. On Cashes Ledge, it is thought that deeper nutrient rich water is driven into the photic zone, providing for increased productivity. Localized areas of upwelling interaction occur in numerous places throughout the Gulf.

Georges Bank

Georges Bank is a shallow (3-150 m depth), elongate (161 km wide by 322 km long) extension of the continental shelf which was formed by the Wisconsinian glacial episode and is characterized by a steep slope on its northern edge and a broad, flat, gently sloping southern flank. The Great South Channel lies to the west of the bank and separates it from Nantucket Shoals and the mainland. Natural processes continue to erode and rework the sediments on Georges Bank. It is anticipated that erosion and reworking of sediments will reduce the amount of sand available to the sand sheets, and cause an overall coarsening of the bottom sediments (Valentine et al., 1993).

Glacial retreat during the late Pleistocene deposited the bottom sediments currently observed on the eastern section of Georges Bank, and the sediments have been continuously reworked and redistributed by the action of rising sea level, and by tidal, storm and other currents. The strong, erosive currents affect the character of the biological community. Bottom topography on Georges Bank is characterized by linear ridges in the western shoal areas; a relatively smooth, gently dipping sea floor on the deeper, easternmost part; a highly energetic peak in the north with sand ridges up to 30 m high and extensive gravel pavement, and steeper and smoother topography incised by submarine canyons on the southeastern margin. The nature of the seabed sediments varies widely, ranging from sand to mixtures of sand and gravel, patches of gravel pavement, and very small exposures of clay.

The central region of the bank is shallow; shoals and troughs characterize the bottom, with sand dunes superimposed upon them. The two most prominent elevations on the ridge and trough area are Cultivator and Georges Shoals. This shoal and trough area is a region of strong currents, with average flood and ebb tidal currents greater than 4 km per hour, and as high as 7 km per hour. The dunes migrate at variable rates, and the ridges may move, also. In an area that lies between the central part and Northeast Peak, Almeida et al. (2000) identified high energy areas as between 35-65 m deep, where sand is transported on a daily basis by tidal currents; and a low energy area at depths > 65 m that is affected only by storm currents. The area west of the Great South Channel, known as Nantucket shoals, is similar in nature to the central region of the bank. Currents in these areas are strongest where water depth is shallower than 50 m. This type of traveling dune and swale morphology is also found in the Mid-Atlantic Bight.

The Great South Channel separates the main part of Georges Bank from Nantucket Shoals. Sediments in the Great South Channel include gravel pavement and mounds, some scattered boulders, sand with storm generated ripples, scattered shell and mussel beds. Tidal and storm currents may range from moderate to strong, depending upon location and storm activity (Valentine, pers. comm).

In the Georges Bank region, strong oceanographic frontal systems occur between water masses of the Gulf of Maine, Georges Bank, and the Atlantic Ocean. These water masses differ in temperature, salinity, nutrient concentration, and planktonic communities, which influence productivity and may influence fish abundance and distribution. Tidal currents over the shallow top of Georges Bank can be very strong, and keep the waters over the bank well mixed vertically. This results in a tidal front that separates the cool waters of the well-mixed shallows

of the central bank from the warmer, seasonally stratified shelf waters on the shoreward and seaward sides of the bank. There is a persistent clockwise gyre around the Bank; a strong semidiurnal tidal flow predominantly northwest and southeast; and very strong, intermittent, storm-induced currents; all of which can all occur simultaneously. The clockwise gyre is instrumental in distribution of the planktonic community, including larval fish. For example, Lough and Potter (1993) describe passive drift of Atlantic cod and haddock eggs and larvae in a southwest residual pattern around Georges Bank. Larval concentrations are found at varying depths along the southern edge between 60-100 m.

Mid-Atlantic Bight

The Mid-Atlantic Bight includes the shelf and slope waters from Georges Bank south to Cape Hatteras, and east to the Gulf Stream. Like the rest of the continental shelf, the topography of the Mid-Atlantic Bight was shaped largely by sea level fluctuations caused by past ice ages. Unlike Georges Bank, glaciers did not advance onto the Mid-Atlantic Bight shelf, and the sandy sediments are generally finer-grained than those on the bank. The shelf's basic morphology and sediments derive from the retreat of the last ice sheet, and the subsequent rise in sea level. Since that time, currents and waves have modified this basic structure.

Shelf and slope waters of the Mid-Atlantic Bight have a slow southwestward flow that is occasionally interrupted by warm core rings or meanders from the Gulf Stream. On average, shelf water moves parallel to bathymetry isobars at speeds of 5-10 cm/second at the surface and 2 cm/second or less at the bottom. Storm events can cause much more energetic variations in flow. Tidal currents on the inner shelf have a higher flow rate of 20 cm/second that increases to 100 cm/second near inlets.

Slope water tends to be warmer than shelf water because of its proximity to the Gulf Stream, and also tends to be more saline. The abrupt gradient where these two water masses meet is called the shelf-slope front. This front is usually located at the edge of the shelf and touches bottom at about 75-100 m depth of water, and then slopes up to the east (seaward) towards the ocean surface. It reaches surface waters approximately 25-55 km further offshore. The position of the front is highly variable, and can be influenced by many physical factors. Vertical structure of temperature and salinity within the front can develop complex patterns because of the interleaving of shelf and slope waters – for example cold shelf waters can protrude offshore, or warmer slope water can intrude up onto the shelf.

The seasonal effects of warming and cooling increase in shallower, near shore waters. Stratification of the water column occurs over the shelf and the top layer of slope water during the spring-summer and is usually established by early June. Fall mixing results in homogenous shelf and upper slope waters by October in most years. A permanent thermocline exists in slope waters from 200-600 m. Temperatures decrease at the rate of about 0.02°C per meter and remain relatively constant except for occasional incursions of Gulf stream eddies or meanders. Below 600 m, temperature declines, and usually averages about 2.2°C at 4000 m. A warm, mixed layer approximately 40 m thick resides above the permanent thermocline.

The “cold pool” is an annual phenomenon particularly important to the Mid-Atlantic Bight. It stretches from the Gulf of Maine along the outer edge of Georges Bank and then southwest to

Cape Hatteras. It becomes identifiable with the onset of thermal stratification in the spring and lasts into early fall until normal seasonal mixing occurs. It usually exists along the bottom between the 40 m and 100 m isobaths and extends up into the water column for about 35 m, to the bottom of the seasonal thermocline. The cold pool usually represents about 30% of the volume of shelf water. Minimum temperatures for the cold pool occur in early spring and summer, and range from 1.1°C to 4.7°C.

The shelf slopes gently from shore out to between 100 and 200 km offshore where it transforms to the slope (100 – 200 m water depth) at the shelf break. In both the Mid-Atlantic and on Georges Bank, numerous canyons incise the slope, and some cut up onto the shelf itself. The primary morphological features of the shelf include shallow shelf valleys and channels, shoal massifs, scarps, and low sand ridges and swales (Figure 11).

Most of these structures are relic except for some sand ridges and smaller sand-formed features. Shelf valleys and slope canyons were formed by rivers of melted glacier that deposited sediments on the outer shelf edge as they entered the ocean. Most valleys cut about 10 m into the shelf, with the exception of the Hudson Shelf Valley, which is about 35 m deep. The valleys were partially filled as glacial meltwater transported sediments seaward from land. Rising sea level also left behind a lengthy scarp near the shelf break from Chesapeake Bay north to the eastern end of Long Island. Shoal retreat massifs were produced by extensive deposition at a cape or estuary mouth. Massifs were also formed as estuaries retreated across the shelf.

The sediment type covering most of the shelf in the Mid-Atlantic Bight is sand, with some relatively small, localized areas of gravel and gravelly sand (Figure 10). On the slope, muddy sand and mud predominate. Sediments are fairly uniformly distributed over the shelf in this region. A sheet of sand and gravel varying in thickness from 0 to 10 m covers most of the shelf. The mean bottom flow from the constant southwesterly current is not fast enough to move sand, so sediment transport must be episodic and storm-related. Net sediment movement is in the same southwesterly direction as the current. The sands are mostly medium- to coarse-grained, with finer sand in the Hudson Shelf Valley and on the outer shelf. Mud is rare over most of the shelf, but is common in the Hudson Shelf Valley. Occasionally relic estuarine mud deposits are re-exposed in the swales between sand ridges. Fine sediment content increases rapidly at the shelf break, which is sometimes called the “mud line,” and sediments are 70-100% fine-grained on the slope.

Figure 11 - Mid-Atlantic Bight submarine morphology. Source: Stumpf and Biggs (1988).

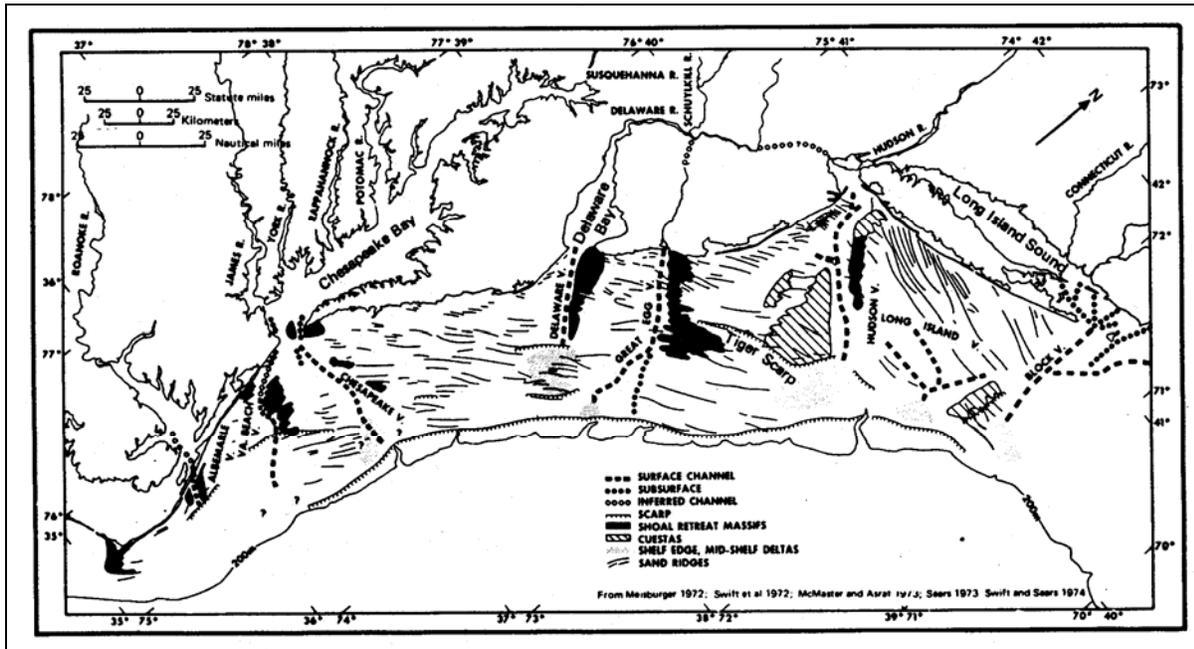
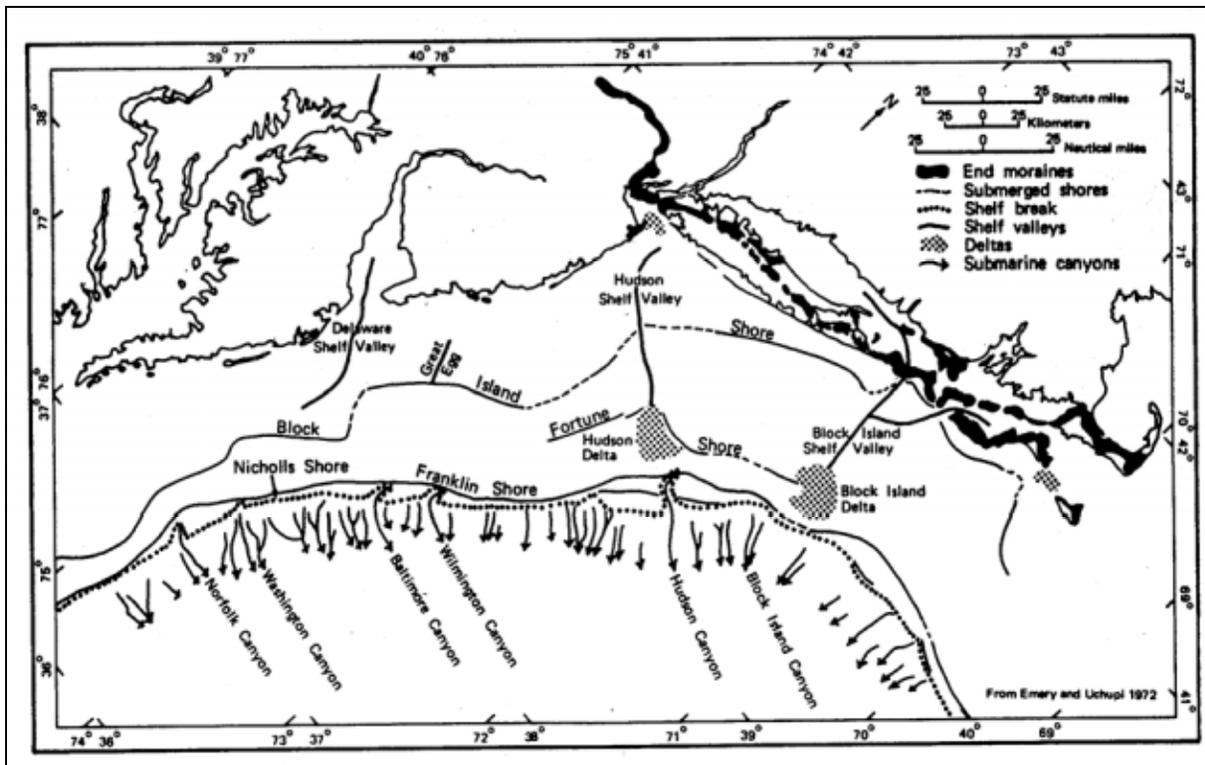


Figure 12 - Major features of the Mid-Atlantic and Southern New England continental shelf. Source: Stumpf and Biggs (1988).



In addition to sand ridges that were formed during rising sea level, some sand ridges have been formed since the end of the last ice age. Their formation is not well understood; however, they appear to develop from the sediments that erode from the shore face. They maintain their shape, so it is assumed that they are in equilibrium with modern current and storm regimes. They are usually grouped, with heights of about 10 m, lengths of 10-50 km and spacing of 2 km. Ridges are usually oriented at a slight angle towards shore, running in length from northeast to southwest. The seaward face usually has the steepest slope. Sand ridges are often covered with smaller similar forms such as sand waves, megaripples, and ripples. Swales occur between sand ridges. Since ridges are higher than the adjacent swales, they are exposed to more energy from water currents, and experience more sediment mobility than swales. Ridges tend to contain less fine sand, silt and clay while relatively sheltered swales contain more of the finer particles. Swales have greater benthic macrofaunal density, species richness and biomass, due in part to the increased abundance of detrital food and the physically less rigorous conditions.

Low sand waves are usually found in patches of 5-10 with heights of about 2 m, lengths of 50-100 m and 1-2 km between patches. Sand waves are primarily found on the inner shelf, and often observed on sides of sand ridges. They may remain intact over several seasons. Megaripples occur on sand waves or separately on the inner or central shelf. During the winter storm season, they may cover as much as 15% of the inner shelf. They tend to form in large patches and usually have lengths of 3-5 m with heights of 0.5-1 m. Megaripples tend to survive for less than a season. They can form during a storm and reshape the upper 50-100 cm of the sediments within a few hours. Ripples are also found everywhere on the shelf, and appear or disappear within hours or days, depending upon storms and currents. Ripples usually have lengths of about 1-150 cm and heights of a few centimeters.

The northern portion of the Mid-Atlantic Bight is sometimes referred to as the southern New England Shelf. Some of the features of this area were described earlier; however, one other formation of this region that deserves note is the “mud patch” which is located on the outer shelf just southwest of Nantucket Shoals and southeast of Long Island (Figure 12). Tidal currents in this area slow significantly, which allows silts and clays to settle out. The mud is mixed with sand, and is occasionally re-suspended by large storms. This habitat is an anomaly of the outer continental shelf.

4.2.2 Essential Fish Habitat / Biological Environment

Essential Fish Habitat

EFH descriptions and maps for Northeast region species can be accessed at <http://www.nero.nmfs.gov/ro/doc/hcd/>. The following description and map of EFH for Atlantic sea scallops (*Placopecten magellanicus*) is excerpted from the Omnibus EFH Amendment. Essential fish habitat for Atlantic sea scallops is described as those areas of the coastal and offshore waters (out to the offshore U.S. boundary of the exclusive economic zone) that are designated on Map 32 in Amendment 10 to the Atlantic sea scallop FMP and meet the following conditions:

Eggs: *Bottom habitats in the Gulf of Maine, Georges Bank, southern New England and the middle Atlantic south to the Virginia -North Carolina border as depicted in Map 32. Eggs are heavier than seawater and remain on the seafloor until they develop into the first free-swimming larval stage. Generally, sea scallop eggs are thought to occur where water temperatures are below 17°C. Spawning occurs from May through October, with peaks in May and June in the middle Atlantic area and in September and October on Georges Bank and in the Gulf of Maine.*

Larvae: *Pelagic waters and bottom habitats with a substrate of gravelly sand, shell fragments, and pebbles, or on various red algae, hydroids, amphipod tubes and bryozoans in the Gulf of Maine, Georges Bank, southern New England and the middle Atlantic south to the Virginia - North Carolina border as depicted in Map 32. Generally, the following conditions exist where sea scallop larvae are found: sea surface temperatures below 18°C and salinities between 16.9‰ and 30‰.*

Juveniles: *Bottom habitats with a substrate of cobble, shells and silt in the Gulf of Maine, Georges Bank, southern New England and the middle Atlantic south to the Virginia -North Carolina border that support the highest densities of sea scallops as depicted in Map 32. Generally, the following conditions exist where most sea scallop juveniles are found: water temperatures below 15°C, and water depths from 18 - 110 meters.*

Adults: *Bottom habitats with a substrate of cobble, shells, coarse/gravelly sand, and sand in the Gulf of Maine, Georges Bank, southern New England and the middle Atlantic south to the Virginia -North Carolina border that support the highest densities of sea scallops as depicted in Map 32. Generally, the following conditions exist where most sea scallop adults are found: water temperatures below 21°C, water depths from 18 - 110 meters, and salinities above 16.5‰.*

Spawning Adults: *Bottom habitats with a substrate of cobble, shells, coarse/gravelly sand, and sand in the Gulf of Maine, Georges Bank, southern New England and the middle Atlantic south to the Virginia -North Carolina border that support the highest densities of sea scallops as depicted in Map 32. Generally, the following conditions exist where spawning sea scallop adults are found: water temperatures below 16°C, depths from 18 - 110 meters, and salinities above 16.5‰. Spawning occurs from May through October, with peaks in May and June in the middle Atlantic area and in September and October on Georges Bank and in the Gulf of Maine.*

Section 7.2.5 of the FSEIS to Amendment 10 described benthic habitats that exist within the range of the scallop fishery biological characteristics of regional systems, and assemblages of fish and benthic organisms. It also included a description of canyon habitats on the edge of the continental shelf. No new information is available.

Section 7.2.6 of the FSEIS to Amendment 10 evaluated the potential adverse effects of gears used in the scallop fishery on EFH for scallop and other federally-managed species and the effects of fishing activities regulated under other federal FMPs on scallop EFH. The evaluation considered the effects of each activity on each type of habitat found within EFH. The two gears used in the directed scallop fishery are bottom trawls and scallop dredges. Scallop EFH has been determined to only be minimally vulnerable to bottom-tending mobile gear (bottom trawls and dredges) and bottom gillnets. Therefore, the effects of the scallop fishery and other fisheries on scallop EFH do not require any management action. However, the scallop dredge and trawl fisheries do have more than a minimal and temporary impact on EFH for a number of other demersal species in the region.

The following conclusions were reached in Amendment 10 to the Atlantic sea scallop FMP:

- Potentially adverse habitat impacts from bottom trawling occur throughout most of the NE region on a variety of substrates;
- High levels of fishing activity with scallop dredges occur primarily in the Mid-Atlantic region and secondarily on Georges Bank, according to the vessel trip report data from 1995 – 2001. Intense dredge activity from the same data show that the highest intensity of scallop fishing is in the Great South Channel and portions of the Mid-Atlantic region from Long Island to VA. The VMS data from 1998 confirms this assessment and also shows high scallop fishing intensity in the southern part of Closed Area II because the period included the area access program during the 1999 and 2000 fishing years which was intended to have high levels of effort to reduce impacts in open areas where smaller scallops existed.
- Potentially adverse habitat impacts from scallop dredging may occur in areas where scallop effort overlaps with areas where EFH has been designated for species with vulnerable EFH. According to the analysis within this document, scallop fishing effort is distributed in the same proportion as juvenile and adult EFH designations, but areas with more intense scallop fishing effort tend to be over areas with less EFH designations for species with vulnerable EFH.

Adverse impacts that were more than minimal and less than temporary in nature were identified for the following species and life stages, based on an evaluation of species life history and habitat requirements and the spatial distributions and impacts of bottom otter trawls in the region (Stevenson *et al.*, in press):

Otter Trawls

The use of Otter Trawls may have an adverse effect on the following species (and life stages) EFH as designated in Amendment 11 to the Northeast Multispecies FMP (1998):

American plaice (Juvenile (J), Adult (A)), Atlantic cod (J, A), Atlantic halibut (J, A), haddock (J, A), ocean pout (E, L, J, A), red hake (J, A), redfish (J, A), white hake (J), silver hake (J), winter

flounder (A), witch flounder (J, A), yellowtail flounder (J, A), red crab (J, A), black sea bass (J, A), scup (J), tilefish (J, A), barndoor skate (J, A), clearnose skate (J, A), little skate (J, A), rosette skate (J, A), smooth skate (J, A), thorny skate (J, A), and winter skate (J, A).

Scallop Dredge (New Bedford style)

The use of New Bedford style Scallop Dredges may have an adverse effect on the following species (and life stages) EFH as designated in Amendment 11 to the Northeast Multispecies FMP (1998):

American plaice (J, A), Atlantic cod (J, A), Atlantic halibut (J, A), haddock (J, A), ocean pout (E, L, J, A), red hake (J, A), redfish (J, A), white hake (J), silver hake (J), winter flounder (J, A), yellowtail flounder (J, A), black sea bass, (J, A), scup (J), barndoor skate (J, A), clearnose skate (J, A), little skate (J, A), rosette skate (J, A), smooth skate (J, A), thorny skate (J, A), and winter skate (J, A).*

Gear types other than otter trawls and scallop dredges, in the context of the Atlantic Sea Scallop fishery, were not found to have adverse effects the Essential Fish Habitat as currently designated in this region. See Table 9 for a description of the species and life staged that were determined to be adversely impacted in a manner that is more than minimal and less than temporary in nature in Amendment 10.

Table 9 - Summary species and life stage’s EFH adversely impacted by otter trawling and scallop dredging (gears that adversely impact EFH used in the Scallop fishery).

Species	Life Stage	Vulnerability to Otter Trawling	Vulnerability to Scallop Dredging	Depth in meters (EFH Designation)	Substrate (EFH Designation)
American Plaice	A	High	High	45-150	sand or gravel
American Plaice	J	Mod	Mod	45-175	sand or gravel
Atlantic Cod	A	Mod	Mod	25-75	cobble or gravel
Atlantic Cod	J	High	High	10-150	rocks, pebble, gravel
Atlantic Halibut	A	Mod	Mod	20-60	sand, gravel, clay
Atlantic Halibut	J	Mod	Mod	100-700	sand, gravel, clay
Barndoor Skate	A	Mod	Mod	0-750, mostly <150	mud, gravel, and sand
Barndoor Skate	J	Mod	Mod	0-750, mostly <150	mud, gravel, and sand
Black Sea Bass	A	High	High	20-50	structures, sand and shell
Black Sea Bass	J	High	High	1-38	rough bottom, shell and eelgrass beds, structures and offshore clam beds in winter
Cleannose	A	Mod	Mod	0-500, mostly	soft bottom along

Species	Life Stage	Vulnerability to Otter Trawling	Vulnerability to Scallop Dredging	Depth in meters (EFH Designation)	Substrate (EFH Designation)
Skate				<111	shelf and rocky or gravelly bottom
Cleannose Skate	J	Mod	Mod	0-500, mostly <111	soft bottom along shelf and rocky or gravelly bottom
Haddock	A	High	High	35-100	pebble gravel
Haddock	J	High	High	40-150	broken ground, pebbles, smooth hard sand, smooth areas between rocky patches
Little Skate	A	Mod	Mod	0-137, mostly 73-91	sand or gravel or mud
Little Skate	J	Mod	Mod	0-137, mostly 73-91	sand or gravel or mud
Ocean Pout	A	High	High	<110	soft sediments
Ocean Pout	J	High	High	<80	smooth bottom near rocks or algae
Ocean Pout	L	High	High	<50	close to hard bottom nesting areas
Ocean Pout	E	High	High	<50	hard bottom, sheltered holes
Pollock	A	Mod	Mod	15-365	hard bottom, artificial reefs
Red Hake	A	Mod	Mod	10-130	sand and mud
Red Hake	J	High	High	<100	shell and live scallops
Redfish	A	Mod	Mod	50-350	silt, mud, or hard bottom
Redfish	J	High	High	25-400	silt, mud, or hard bottom
Rosette Skate	A	Mod	Mod	33-530, mostly 74-274	soft substrates including sand/mud and mud
Rosette Skate	J	Mod	Mod	33-530, mostly 74-274	soft substrates including sand/mud and mud
Scup	J	Mod	Mod	0-38	inshore sand, mud, mussel and

Species	Life Stage	Vulnerability to Otter Trawling	Vulnerability to Scallop Dredging	Depth in meters (EFH Designation)	Substrate (EFH Designation)
					eelgrass beds
Silver Hake	J	Mod	Mod	20-270	all substrate types
Smooth Skate	A	High	High	31-874, mostly 110-457	soft mud, sand, broken shells, gravel and pebbles
Smooth Skate	J	Mod	Mod	31-874, mostly 110-457	soft mud, sand, broken shells, gravel and pebbles
Thorny Skate	A	Mod	Mod	18-2000, mostly 111-366	sand gravel, broken shell, pebble, and soft mud
Thorny Skate	J	Mod	Mod	18-2000, mostly 111-366	sand gravel, broken shell, pebble, and soft mud
Tilefish	A	High	Low	76-365	rough, sheltered bottom
Tilefish	J	High	Low	76-365	rough, sheltered bottom
White Hake	J	Mod	Mod	5-225	pelagic during pelagic stage and mud or fine sand during demersal stage
Winter Flounder	A	Mod	Mod	1-100	estuaries with mud, gravel, or sand
Winter Skate	A	Mod	Mod	0-371, mostly <111	sand, gravel, or mud
Winter Skate	J	Mod	Mod	0-371, mostly <111	sand, gravel, or mud
Witch Flounder	A	Mod	Low	25-300	fine-grained sediment
Witch Flounder	J	Mod	Low	50-450	fine-grained sediment
Yellowtail Flounder	A	Mod	Mod	20-50	sand and mud
Yellowtail Flounder	J	Mod	Mod	20-50	sand and mud

Biological Environment

From a biological perspective, habitats provide living things with the basic life requirements of nourishment and shelter. Habitats may also provide a broader range of benefits to the ecosystem. An illustration of the broader context is the way seagrasses physically stabilize the substrate and help recirculate oxygen and nutrients. In this general discussion, we will focus on the primary, direct value of habitats to federally managed species—feeding and shelter from predation.

The spatial and temporal variation of prey abundance influences the survivorship, recruitment, development, and spatial distribution of organisms at every trophic level. For example, phytoplankton abundance and distribution are a great influence on ichthyoplankton community structure and distribution. In addition, the migratory behavior of juvenile and adult fish is directly related to seasonal patterns of prey abundance and changes in environmental conditions, especially water temperature. Prey supply is particularly critical for the starvation-prone early life history stages of fish.

The availability of food for planktivores is highly influenced by oceanographic properties. The seasonal warming of surface waters in temperate latitudes produces vertical stratification of the water column, which isolates sunlit surface waters from deeper, nutrient-rich water, leading to reduced primary productivity. In certain areas, upwelling, induced by wind, storms, and tidal mixing, inject nutrients back into the photic zone, stimulating primary production. Changes in primary production from upwelling and other oceanographic processes affect the amount of organic matter available for other organisms higher up in the food chain, and thus influence their abundance and distribution. Some of the organic matter produced in the photic zone sinks to the bottom and provides food for benthic organisms. In this way, oceanographic properties can also influence the food availability for sessile benthic organisms. In shallower water, benthic macro and microalgae also contribute to primary production. Recent research on benthic primary productivity indicates that benthic microalgae may contribute more to primary production than has been originally estimated (Cahoon 1999).

Benthic organisms provide an important food source for many managed species. Populations of bottom-dwelling sand lance are important food sources for many piscivorous species, and benthic invertebrates are the main source of nutrition for many demersal fishes. Temporal and spatial variations in benthic community structure affect the distribution and abundance of bottom-feeding fish. Likewise, the abundance and species composition of benthic communities are affected by a number of environmental factors including temperature, sediment type, and the amount of organic matter.

In addition to providing food sources, another important functional value of benthic habitat is the shelter and refuge from predators provided by structure. Three-dimensional structure is provided by physical features such as boulders, cobbles and pebbles, sand waves and ripples, and mounds, burrows and depressions created by organisms. Structure is also provided by attached and emergent epifauna. The importance of benthic habitat complexity was discussed by Auster (1998) and Auster and Langton (1999) in the context of providing a conceptual model to visualize patterns in fishing gear impacts across a gradient of habitat types. Based on this model, habitat value increases with increased structural complexity, from the lowest value in flat sand

and mud to the highest value in piled boulders. The importance of habitat complexity to federally managed species is a key issue in the Northeast Region.

4.2.2.1 Inshore

Gulf of Maine to Long Island Sound

As described by Tyrrell (2005), the Gulf of Maine rocky intertidal zone is often inhabited by an abundance of brown seaweeds. At high tide, the algae form an underwater canopy similar to a kelp forest. When the tide is low, the algae lie on the rocks and protect snails, mussels, barnacles, and crabs from exposure to sun, wind, rain, and bird predators. Typical canopy-forming furoid brown algal species are collectively known as rockweed and include knotted wrack (*Ascophyllum nodosum*), bladder wrack (*Fucus vesiculosus*), and spiral wrack (*Fucus spiralis*). *Ascophyllum nodosum* and *Fucus vesiculosus* are found in the mid-intertidal zone, and *F. spiralis* is found in the upper intertidal zone. Their abundance and primary productivity contributes to the high productivity of the rocky intertidal shores, which is nearly ten times greater than that of the adjacent open ocean (Harvey et al. 1995). On rocky shores, invertebrates and algae live in horizontal zones between the high and low tide marks. The zones reflect the varying abilities of species to tolerate the environmental conditions, predation, and competitive pressures at different heights. The highest zone is the splash zone, which is colored darkly by lichens that tolerate salt spray. Just below the splash zone, acorn barnacles inhabit the high intertidal zone. On wave-exposed shores, blue mussels often populate the middle and low intertidal zone with many small invertebrates living in crevices among them. At less wave exposed sites, rockweeds may dominate the mid-intertidal zone, and red algae (*Chondrus crispus* and *Mastocarpus stellatus*) may cover the low intertidal zone. Tide pools form in depressions in intertidal rock outcrops and provide habitat for some animals and algae that otherwise might not survive exposure to air.

Boulders in the Gulf of Maine intertidal zone support similar species as rocky outcrops because they are not frequently overturned by waves due to their large size (Tyrrell 2005). They serve as substrate for algae, mollusks, barnacles, hydroids, and other sessile organisms. In addition, boulders provide shelter from wind, sun, rain, and predators for small organisms that can take shelter underneath and beside them. Fish forage less efficiently in boulder fields than on flat, rocky outcrops because the boulders offer hiding places for prey (Tyrrell 2005).

Southern New England

For Southern New England, a distinct pattern of vegetation is observed, with a narrow band of tall *Spartina alterniflora* occupying the low marsh, areas flooded twice daily by tides, and with high marsh areas flooded less frequently and forming a mosaic of vegetation types that may include *Spartina patens*, *Distichlis spicata*, the short form of *S. alterniflora*, and *Juncus gerardii*. Salt marsh panes, shallow depressions on the marsh surface often vegetated with forbs, and salt marsh pools can be present throughout the high marsh mosaic (Roman et al. 2000).

Habitats dominated by seagrass and other submerged aquatic vegetation occur along the estuarine gradient from marine to freshwater tidal portions of estuaries from the State of Maine to Long Island (Roman et al. 2000). Seagrass species include eelgrass (*Zostera marina*) and widgeon grass (*Ruppia maritima*); both of which have broad salinity tolerances, although *Ruppia* commonly occurs in brackish to freshwater estuarine areas or in salt marsh pools (Richardson

1980; Thayer et al. 1984). Within freshwater or brackish water tidal portions of the relatively shallow Hudson and Connecticut River estuaries, submerged aquatic vegetation can be extensive (e.g., *Ruppia*, *Vallisneria americana*, *Potamogeton perfoliatus*) (Roman et al. 2000). In the Hudson River, beds of submerged vegetation, primarily *Vallisneria*, can occupy as much as 20% of the river bottom in areas shallow enough for establishment and growth of these light-limited plants (Harley and Findlay 1994).

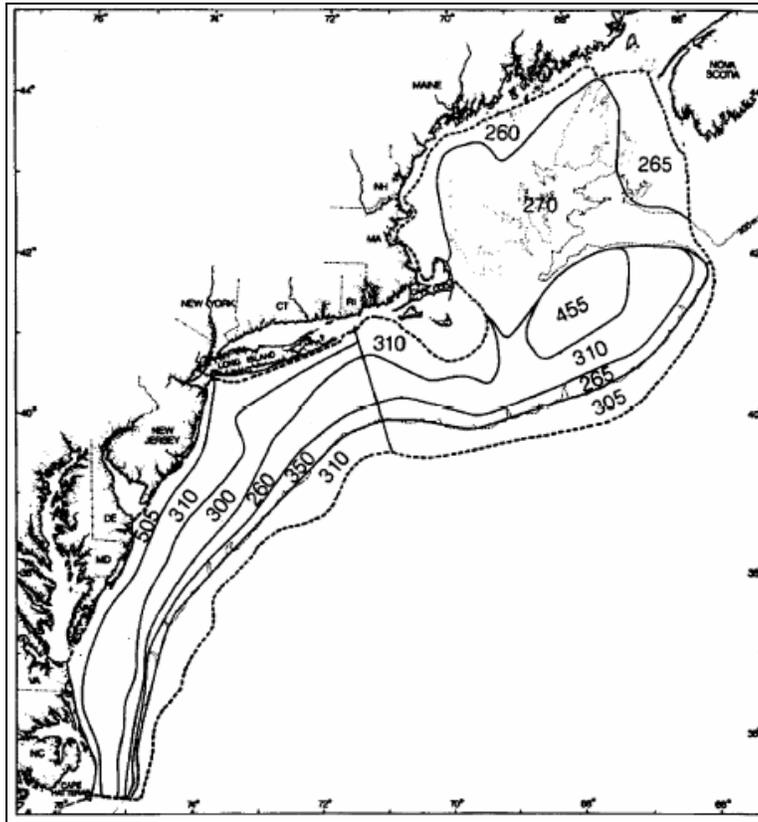
Salt marshes and submerged aquatic vegetation (sea grasses and macroalgae) provide an important food supplement in the form of detritus (POC) to the estuarine food web. This supplements the phytoplankton production in the water column and the riverine input of DOC/POC from the larger watershed that support the grazing food chain. The geomorphology (size, shape, volume, etc.) and hydrology of the estuary determine how important this detritus food web is in supplementing the grazing food chain. In general the detritus food web is an important supplement in shallow coastal embayments surrounded by wetlands or adjacent to urban areas which have high loading rates for DOC and POC.

Much of the POC in estuaries is converted to DOC by microbes, which is then exported to the coastal ocean. In the coastal ocean the ratio of DOC/POC/phytoplankton carbon is roughly 75:5:1. Much of the non-living DOC and POC is processed by the microbial loop (which is why $P < R$), while the phytoplankton carbon and some of the POC (detritus) supports the grazing food chain that leads to fish/shellfish. It is not known whether the microbial food loop is linked to the grazing food chain through the activity of micro-, meso- and macrozooplankton and filter feeding macrobenthic organisms, or whether most of the carbon in the microbial loop is respired (sink). Biogeochemical cycling is dominated by the lower trophic levels in the water column (microbial loop) with the majority of the primary production supported by recycled nutrients (ammonium). In the coastal ocean the spring or fall phytoplankton bloom is supported by new nutrients (nitrate) introduced from the bottom waters into the surface waters. This bloom transports carbon from diatoms to zooplankton which lies at the base of the grazing food chain supporting pelagic (directly) and demersal fish (indirectly).

4.2.2.2 Gulf of Maine/Georges Bank/Mid-Atlantic

The following summary of phytoplankton primary productivity and chlorophyll *a* of the Northeast shelf ecosystem and the sources for this summary can be found in Sherman et al. (2003). Estimates of annual total phytoplankton primary production from Nova Scotia to Cape Hatteras are shown in Figure 13 by region. Annual production on the shelf ranges from 10,834 to 21,043 $\text{kJ m}^{-2} \text{yr}^{-1}$ (260-505 $\text{gCm}^{-2} \text{yr}^{-1}$) with the annual average of 350 $\text{gCm}^{-2} \text{yr}^{-1}$. The areas of highest estimated production on the shelf occur on the central, shallow portion of Georges Bank [18,960 $\text{kJ m}^{-2} \text{yr}^{-1}$ (445 $\text{gCm}^{-2} \text{yr}^{-1}$)] and along the coast between the States of New Jersey and North Carolina [21,043 $\text{kJ m}^{-2} \text{yr}^{-1}$ (505 $\text{gCm}^{-2} \text{yr}^{-1}$)] which correspond to the areas with consistently high chlorophyll *a* concentrations (O'Reilly and Zetlin 1998). The areas of the shelf with the lowest estimated annual production include the outer shelf area between Cape Hatteras, the southern edge of Georges Bank and nearshore Gulf of Maine, and the mid-shelf area between Delaware Bay and Chesapeake Bay.

Figure 13 - Estimated annual primary production in the Northeast shelf ecosystem



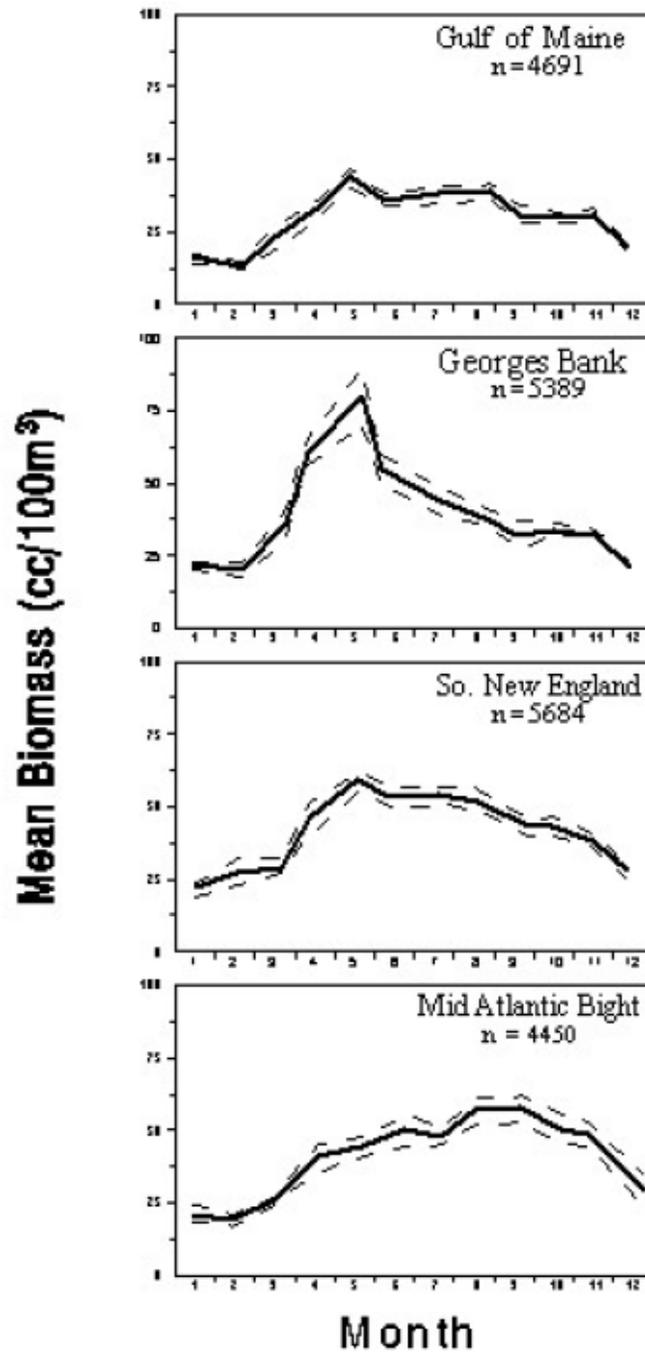
The regions selected are based on the recurring seasonal patterns of chlorophyll distribution along the continental shelf. Source: Sherman et al. (2003).

Sherman et al. (2003) also discussed the zooplankton of the Northeast shelf ecosystem. The zooplankton biodiversity during the NEFSC Marine Resources Monitoring, Assessment and Prediction (MARMAP) ichthyoplankton surveys of the shelf during the 1970s and 1980s included 394 taxa, with 50 dominant in at least one location in one (1) or more seasons. Taxa included copepods, chaetognaths, barnacle larvae, cladocerans, appendicularia, doliolids, brachyuran larvae, echinoderm larvae, and thaliaceans (Sherman et al. 1988). The annual cycle of zooplankton biomass on the Northeast shelf ecosystem is shown in Figure 14.

In the Gulf of Maine, biomass peaks during spring ($44 \text{ cc}/100 \text{ m}^3$) and remains high through the summer ($36\text{-}39 \text{ cc}/100 \text{ m}^3$). The biomass declines in autumn (September) to a winter low (January-February). On Georges Bank, the spring increase in biomass peaks in May at a level that is nearly twice the spring peak in the Gulf of Maine, followed by a decline that continues through autumn to a winter minimum ($< 20.2 \text{ cc}/100 \text{ m}^3$). The waters of Southern New England maintain a relatively high biomass from May through August ($55\text{-}60 \text{ cc}/100 \text{ m}^3$). The annual decline in biomass extends from late August through autumn to a winter minimum. Further south in the Mid-Atlantic Bight, the annual peak is not reached until late August and September ($60 \text{ cc}/100 \text{ m}^3$) followed by a decline from November until the annual minimum in February ($19 \text{ cc}/100 \text{ m}^3$) (Sherman et al. 2003).

Figure 14 - The annual cycle of zooplankton biomass on the Northeast shelf ecosystem.

The solid line is the time series monthly mean sample displacement volume and the dashed lines represent the 95% confidence interval. Source: Sherman et al. (2003).



Gulf of Maine

The Gulf of Maine's geologic features, when coupled with the vertical variation in water properties, result in a great diversity of habitat types. The greatest numbers of invertebrates in this region are classified as mollusks, followed by annelids, crustaceans, and echinoderms (Theroux and Wigley 1998). By weight, the order of taxa changes to echinoderms, mollusks, annelids and cnidarians. Watling (1998) used numerical classification techniques to separate benthic invertebrate samples into seven types of bottom assemblages. These assemblages are identified in Table 10 and their distribution is depicted in Figure 15. This classification system considers benthic assemblage, substrate type and water properties.

An in-depth review of GOM habitat types has been prepared by Brown (1993). Although still preliminary, this classification system is a promising approach. It builds on a number of other schemes, including Cowardin et al. (1979), and tailors them to the State of Maine's marine and estuarine environments. A significant factor that is included in this review (but has been neglected in others) is a measure of "energy" in a habitat. Energy could be a reflection of wind, waves, or currents present. This is a particularly important consideration in a review of fishing gear impacts since it indicates the natural disturbance regime of a habitat. The amount and type of natural disturbance is in turn an indication of the habitat's resistance to and recoverability from disturbance by fishing gear. Although this work appears to be complete in its description of habitat types; unfortunately, the distributions of many of the habitats are unknown.

Demersal fish assemblages for the Gulf of Maine and Georges Bank were part of broad scale geographic investigations conducted by Mahon et al. (1998) and Gabriel (1992). Both these studies and a more limited study by Overholtz and Tyler (1985) on Georges Bank found assemblages that were consistent over space and time in this region. In her analysis, Gabriel (1992) found that the most persistent feature over time in assemblage structure from Nova Scotia to Cape Hatteras was the boundary separating assemblages between the Gulf of Maine and Georges Bank, which occurred at approximately the 100 m isobath on northern Georges Bank.

Overholtz and Tyler (1985) identified five (5) assemblages for Georges Bank (Table 11). The Gulf of Maine-deep assemblage included a number of species found in other assemblages, with the exception of American plaice and witch flounder, which were unique to this assemblage. Gabriel's (1992) approach did not allow species to co-occur in assemblages, and also classified these two species as unique to the deepwater Gulf of Maine-Georges Bank assemblage. Results of these two studies are compared in Table 11. Auster et al. (2001) went a step further, and related species clusters on Stellwagen Bank to reflectance values of different substrate types in an attempt to use fish distribution as a proxy for seafloor habitat distribution. They found significant reflectance associations for 12 of 20 species, including American plaice (fine substrate), and haddock (coarse substrate). Species clusters and associated substrate types are given in Table 12.

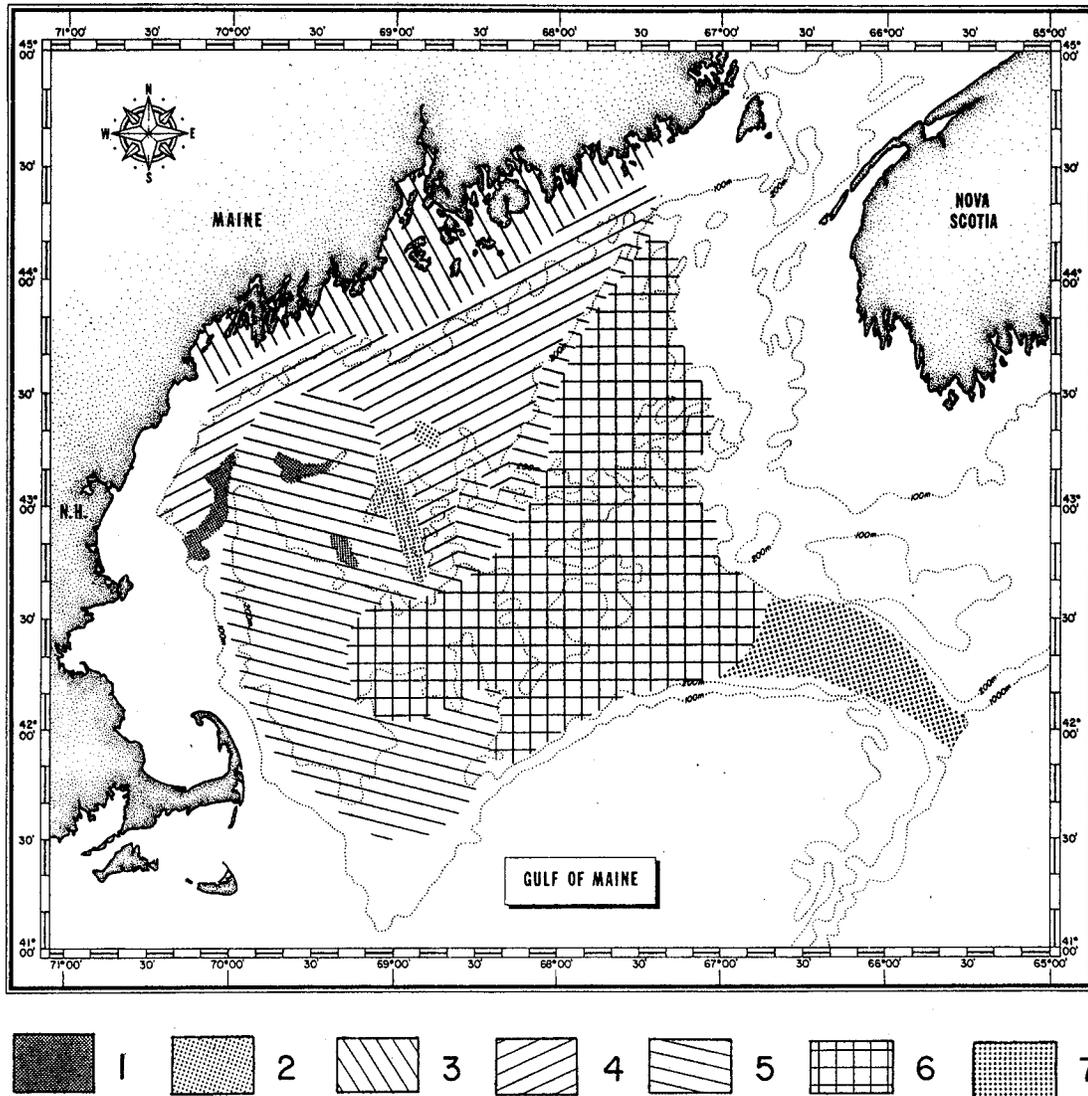
Auster (2002) did a multivariate analysis of annual trawl survey data at six year intervals (i.e.; 1970, 1975, 1981, 1987, and 1993) from the Georges Bank-GOM region. Results demonstrated consistent patterns of a singular deep and shallow assemblage of fishes across the region. The shallow water assemblage occurred on Georges Bank and around the rim of the Gulf of Maine, while the deep water assemblage occurred within the deeper basins of the GOM proper. While

patterns of species dominance shifted over time, the actual distribution of assemblages remained relatively constant (i.e.; there were shifts in assemblage boundaries that were attributed in part due to shifting station locations within survey strata). The differences between this study and the Overholtz and Tyler (1985) and Gabriel (1992) studies can in part be attributed to differences in spatial boundaries of the data. That is, multivariate approaches produce clusters and the variation in the data sets, based on variations in assemblage composition over space and time, produce variable boundaries. Overholtz and Tyler (1985) found a consistent pattern over Georges Bank alone while Auster (2002) showed a singular assemblage at the spatial scale that produced relevant patterns. Gabriel (1992) also found a deep assemblage within the GOM region and is consistent with the Auster (2002) study.

Table 10 - Gulf of Maine benthic assemblages as identified by Watling (1998).

Benthic Assemblage	Benthic Community Description
1	Comprises all sandy offshore banks, most prominently Jeffreys Ledge, Fippennies Ledge, and Platts Bank; depth on top of banks about 70 m; substrate usually coarse sand with some gravel; fauna characteristically sand dwellers with an abundant interstitial component.
2	Comprises the rocky offshore ledges, such as Cashes Ledge, Sigsbee Ridge and Three Dory Ridge; substrate either rock ridge outcrop or very large boulders, often with a covering of very fine sediment; fauna predominantly sponges, tunicates, bryozoans, hydroids, and other hard bottom dwellers; overlying water usually cold Gulf of Maine Intermediate Water.
3	Probably extends all along the coast of the Gulf of Maine in water depths less than 60 m; bottom waters warm in summer and cold in winter; fauna rich and diverse, primarily polychaetes and crustaceans; probably consists of several (sub-) assemblages due to heterogeneity of substrate and water conditions near shore and at mouths of bays.
4	Extends over the soft bottom at depths of 60 to 140 m, well within the cold Gulf of Maine Intermediate Water; bottom sediments primarily fine muds; fauna dominated by polychaetes, shrimp, and cerianthid anemones.
5	A mixed assemblage comprising elements from the cold water fauna as well as a few deeper water species with broader temperature tolerances; overlying water often a mixture of Intermediate Water and Bottom Water, but generally colder than 7° C most of the year; fauna sparse, diversity low, dominated by a few polychaetes, with brittle stars, sea pens, shrimp, and cerianthid also present.
6	Comprises the fauna of the deep basins; bottom sediments generally very fine muds, but may have a gravel component in the offshore morainal regions; overlying water usually 7 to 8° C, with little variation; fauna shows some bathyal affinities but densities are not high, dominated by brittle stars and sea pens, and sporadically by a tube-making amphipod.
7	The true upper slope fauna that extends into the Northeast Channel; water temperatures are always above 8° and salinities are at least 35 ppt; sediments may be either fine muds or a mixture of mud and gravel.

Figure 15 - Distribution of the seven (7) major benthic assemblages in the Gulf of Maine as determined from both soft bottom quantitative sampling and qualitative hard bottom sampling.



The assemblages are characterized as follows: 1. sandy offshore banks; 2. rocky offshore ledges; 3. shallow (< 50 m) temperate bottoms with mixed substrate; 4. boreal muddy bottom, overlain by Maine Intermediate Water, 50 – 160 m (approx.); 5. cold deep water, species with broad tolerances, muddy bottom; 6. deep basin warm water, muddy bottom; 7. upper slope water, mixed sediment. Source: Watling 1998.

Table 11 - Comparison of demersal fish assemblages of Georges Bank and Gulf of Maine identified by Overholtz and Tyler (1985) (Georges Bank only) and Gabriel (1992).

Overholtz and Tyler (1984) – Georges Bank		Gabriel (1992) – Georges Bank and Gulf of Maine	
Assemblage	Species	Species	Assemblage
Slope & Canyon	offshore hake blackbelly rosefish Gulf stream flounder	offshore hake blackbelly rosefish Gulf stream flounder	Deepwater
Intermediate	fourspot flounder monkfish, whiting white hake, red hake whiting red hake monkfish Atlantic cod, haddock, ocean pout, yellowtail flounder, winter skate, little skate, sea raven, longhorn sculpin	fawn cusk-eel, longfin hake, armored sea robin whiting red hake monkfish short-finned squid, spiny dogfish, cusk	Combination of Deepwater Gulf of Maine/Georges Bank & Gulf of Maine- Georges Bank Transition
Shallow	Atlantic cod haddock pollock whiting white hake red hake monkfish ocean pout yellowtail flounder windowpane winter flounder winter skate little skate longhorn sculpin summer flounder sea raven, sand lance	Atlantic cod haddock pollock yellowtail flounder windowpane winter flounder winter skate little skate longhorn sculpin	Gulf of Maine-Georges Bank Transition Zone Shallow Water Georges Bank-Southern New England
Gulf of Maine- Deep	white hake American plaice witch flounder thorny skate whiting, Atlantic cod, haddock, cusk Atlantic wolfish	white hake American plaice witch flounder thorny skate, redfish	Deepwater Gulf of Maine- Georges Bank
Northeast Peak	Atlantic cod haddock pollock ocean pout, winter flounder, white hake, thorny skate, longhorn sculpin	Atlantic cod haddock pollock	Gulf of Maine-Georges Bank Transition Zone

Gabriel analyzed a greater number of species and did not overlap assemblages.

Table 12 - Ten dominant species and mean abundance/tow⁻¹ from each cluster species group and its associated substrate type as determined by reflectance value, from Stellwagen Bank, Gulf of Maine (Auster et al. 2001).

SUBSTRATE TYPE					
Coarse		Coarse		Wide Range	
Species	Mean	Species	Mean	Species	Mean
Northern Sand Lance	1172.0	Haddock	13.1	American plaice	63.3
Atlantic herring	72.2	Atlantic cod	7.3	Northern sand lance	53.0
Spiny dogfish	38.4	American plaice	5.3	Atlantic herring	28.5
Atlantic cod	37.4	Whiting	3.3	Whiting	22.4
Longhorn sculpin	29.7	Longhorn sculpin	2.0	Acadian redfish	16.0
American plaice	28.0	Yellowtail flounder	1.9	Atlantic cod	14.0
Haddock	25.7	Spiny dogfish	1.6	Longhorn sculpin	9.5
Yellowtail flounder	20.2	Acadian redfish	1.6	Haddock	9.1
Whiting	7.5	Ocean pout	1.3	Pollock	7.9
Ocean pout	9.0	Alewife	1.1	Red hake	6.2
No. tows = 83		No. tows = 60		No. tows = 159	
SUBSTRATE TYPE					
Fine		Fine			
Species	Mean	Species	Mean		
American plaice	152.0	Whiting	275.0		
Acadian redfish	31.3	American plaice	97.1		
Whiting	29.5	Atlantic mackerel	42.0		
Atlantic herring	28.0	Pollock	41.1		
Red hake	26.1	Alewife	37.2		
Witch flounder	23.8	Atlantic herring	32.0		
Atlantic cod	13.1	Atlantic cod	18.1		
Haddock	12.7	Longhorn sculpin	16.8		
Longhorn sculpin	12.5	Red hake	15.2		
Daubed shanney	11.4	Haddock	13.2		
No. tows = 66		No. tows = 20			

Georges Bank

The interaction of several environmental factors including availability and type of sediment, current speed and direction, and bottom topography have been found to combine to form seven sedimentary provinces on eastern Georges Bank (Valentine et al. 1993), which are outlined in Table 13 and depicted in Figure 16.

Theroux and Grosslein (1987) identified four (4) macrobenthic invertebrate assemblages that corresponded with previous work in the geographic area. They noted that it is impossible to define distinct boundaries between assemblages because of the considerable intergrading that occurs between adjacent assemblages; however, the assemblages are distinguishable. Their assemblages are associated with those identified by Valentine et al. (1993) in Table 13.

The Western Basin assemblage (Theroux and Grosslein 1987) is found in the upper Great South Channel region at the northwestern corner of Georges Bank, in comparatively deep water (150-200 m) with relatively slow currents and fine bottom sediments of silt, clay and muddy sand. Fauna are comprised mainly of small burrowing detritivores and deposit feeders, and carnivorous

scavengers. Representative organisms include bivalves (*Thyasira flexuosa*, *Nucula tenuis*, *Musculus discors*), annelids (*Nephtys incisa*, *Paramphinome pulchella*, *Onuphis opalina*, *Sternaspis scutata*), the brittle star *Ophiura sarsi*, the amphipod *Haploops tubicola*, and red crab (*Geryon queden*). Valentine et al. 1993 did not identify a comparable assemblage; however, this assemblage is geographically located adjacent to Assemblage 5 as described by Watling (1998) (Table 10 and Figure 15).

The Northeast Peak assemblage is found along the Northern Edge and Northeast Peak, which varies in depth and current strength and includes coarse sediments, mainly gravel and coarse sand with interspersed boulders, cobbles, and pebbles. Fauna tend to be sessile (cnidarians, brachiopods, barnacles, and tubiferous annelids) or free-living (brittle stars, crustaceans, and polychaetes), with a characteristic absence of burrowing forms. Representative organisms include amphipods (*Acanthonotozoma serratum*, *Tiron spiniferum*), the isopod *Rocinela americana*, the barnacle *Balanus hameri*, annelids (*Harmothoe imbricata*, *Eunice pennata*, *Nothria conchylega*, and *Glycera capitata*), sea scallops (*Placopecten magellanicus*), brittle stars (*Ophiacantha bidentata*, *Ophiopholis aculeata*), and soft corals (*Primnoa resedaeformis*, *Paragorgia arborea*).

The Central Georges Bank assemblage occupies the greatest area, including the central and northern portions of Georges Bank in depths less than 100 m. Medium grained shifting sands predominate this dynamic area of strong currents. Organisms tend to be small to moderately large in size with burrowing or motile habits. Sand dollars (*Echinarachnius parma*) are most characteristic of this assemblage. Other representative species include mysids (*Neomysis americana*, *Mysidopsis bigelowi*), the isopod *Chiridotea tuftsi*, the cumacean *Leptocuma minor*, the amphipod *Protohaustorius wigleyi*, annelids (*Sthenelais limicola*, *Goniadella gracilis*, *Scalibregma inflatum*), gastropods (*Lunatia heros*, *Nassarius trivittatus*), the starfish *Asterias vulgaris*, the shrimp *Crangon septemspinosa*, and the crab *Cancer irroratus*.

The Southern Georges assemblage is found on the southern and southwestern flanks at depths from 80-200 m, where fine grained sands and moderate currents predominate. Many southern species exist here at the northern limits of their range. Dominant fauna include amphipods, copepods, euphausiids, and the starfish genus *Astropecten*. Representative organisms include amphipods (*Ampelisca compressa*, *Erichthonius rubricornis*, *Synchelidium americanum*), the cumacean *Diastylis quadrispinosa*, annelids (*Aglaophamus circinata*, *Nephtys squamosa*, *Apistobranthus tullbergi*), crabs (*Euprognatha rastellifera*, *Catapagurus sharreri*), and the shrimp *Munida iris*.

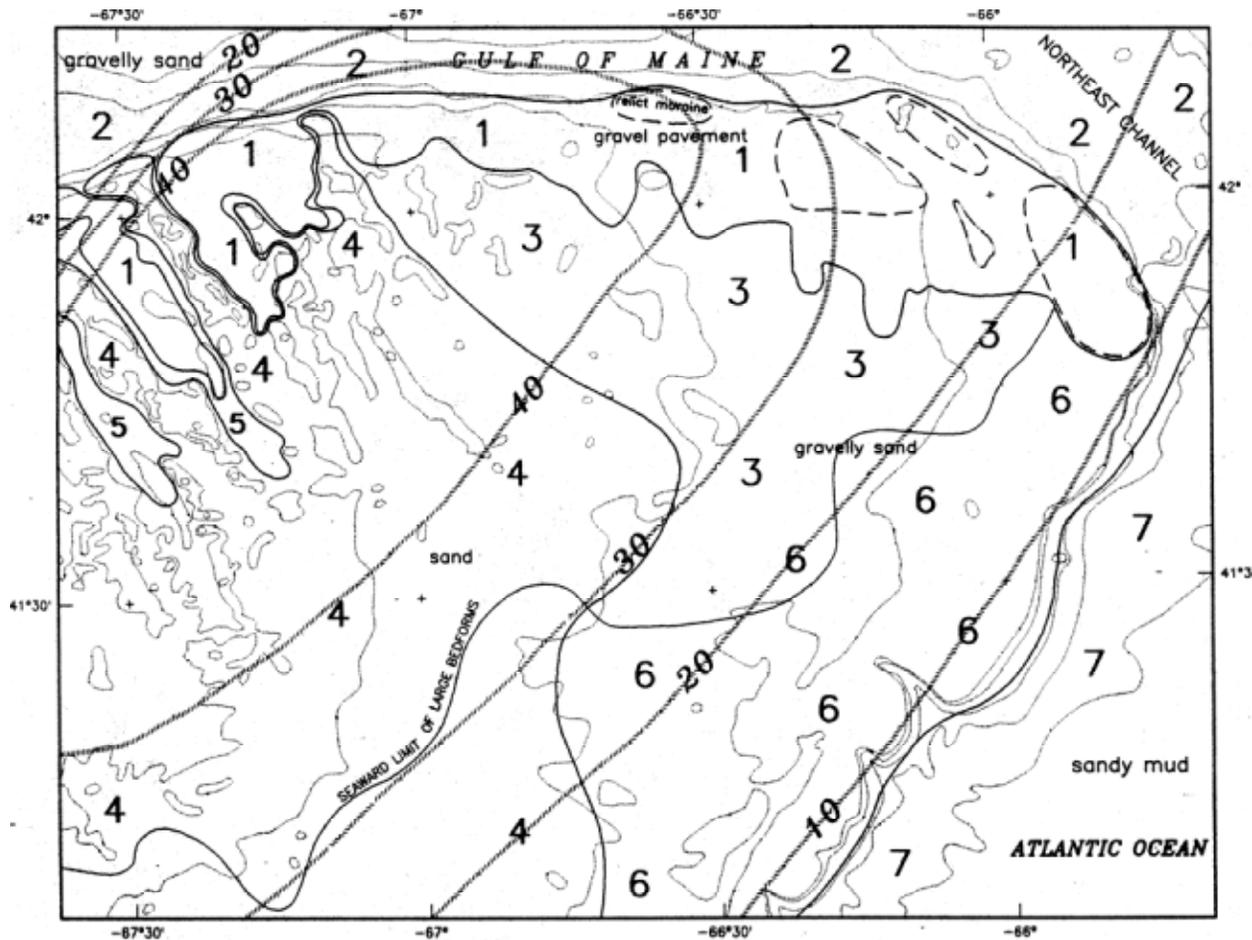
Table 13 - Sedimentary provinces of eastern Georges Bank.

Sedimentary Province	Depth (m)	Description	Benthic Assemblage
Northern Edge / Northeast Peak (1)	40-200	Dominated by gravel with few deposits of coarse sand; boulders common in some areas; predominantly a tightly packed pebble pavement. Representative epifauna bryozoa, hydrozoa, <i>anemones</i> , and <i>calcareous</i> worm tubes. <i>Strong tidal and storm currents.</i>	Northeast Peak
Northern Slope	200-240	Variable sediment type (gravel, gravelly sand, and	Northeast Peak

Sedimentary Province	Depth (m)	Description	Benthic Assemblage
and Northeast Channel (2)		sand) and scattered bedforms. This is a transition zone between the northern edge gravel and the sandy and silty sediment of the Gulf of Maine and the southern bank slope. <i>Strong tidal and storm currents.</i>	
North / Central Shelf (3)	60-120	Highly variable sediment type (ranging from gravel to sand) with common rippled sand and large bedforms; patchy gravel lag deposits. <i>Minimal epifauna on gravel due to sand movement.</i>	Central Georges
Central and Southwestern Shelf - shoal ridges (4)	10-80	Dominated by sand (commonly fine- and medium-grained) with large sand ridges, dunes, waves, and ripples. Small bedforms in southern part. <i>Minimal epifauna on gravel due to sand movement.</i>	Central Georges
Central and Southwestern Shelf - shoal troughs (5)	40-60	Gravel (including gravel lag) and gravelly sand between large sand ridges. Patchy large bedforms. Strong currents. (Few samples; submersible observations noted presence of gravel lag, rippled gravelly sand, and large bedforms.) <i>Minimal epifauna on gravel due to sand movement.</i>	Central Georges
Southeastern Shelf (6)	80-200	Rippled gravelly sand (commonly medium- and fine-grained) with patchy large bedforms and gravel lag. Weaker currents; ripples are formed by intermittent storm currents. Representative epifauna include sponges attached to shell fragments.	Southern Georges
Southeastern Slope (7)	400-2000	Silt and clay greater than 10% of sediment associated with sand (commonly medium- and fine-grained); with rippled sand on shallow slope and smooth silty sand deeper.	none

As defined by Valentine et al. (1993) and Valentine and Lough (1991) with additional comments by Valentine (personal communication) and benthic assemblages assigned from Theroux and Grosslein (1987).

Figure 16 - Sedimentary provinces of eastern Georges Bank based on criteria of sea floor morphology, texture, sediment movement and bedforms, and mean tidal bottom current speed (cm/sec).



Relict moraines (bouldery sea floor) are enclosed by dashed lines. Source: Valentine and Lough (1991).

Along with high levels of primary productivity, Georges Bank has been historically characterized by high levels of fish production. Several studies have attempted to identify demersal fish assemblages over large spatial scales. Overholtz and Tyler (1985) found five depth-related groundfish assemblages for Georges Bank and the Gulf of Maine that were persistent temporally and spatially. Depth and salinity were identified as major physical influences explaining assemblage structure. Gabriel (1992) identified six assemblages, which are compared with the results of Overholtz and Tyler (1985) in Table 11. Mahon et al. (1998) found similar results.

A few recent studies (Garrison 2000, 2001; Garrison and Link 2000) demonstrate the persistence of spatio-temporal overlap among numerically dominant, commercially valuable and /or ecologically important species. The studies by Garrison and associates utilized an index of spatial overlap based on the NOAA spring and fall bottom trawl surveys. He found that among the community of fish species on Georges Bank, only a very few species have high spatial overlaps with other species. The most notable example is silver hake (whiting), which had a

very high overlap with most other species, suggestive of a broad distribution. Trends in spatial overlap over time generally reflect changes in species abundance. During the 1960s, haddock and yellowtail flounder were both widely distributed and had high spatial overlaps with other species. As abundance of these species declined through the 1970s into the 1990s, their spatial range contracted and their overlaps with other species subsequently declined. In contrast to this, species whose abundance has increased through time show an expansion of ranges and increased spatial overlap with other species. Interestingly and to confirm other studies of fish assemblages, the major species assemblages have been generally consistent across time given the changes in relative abundance.

Seasonal trends in spatial overlap are also apparent. Spiny dogfish, for example, has a far stronger association and a far broader range of species' associations in the winter than it does in the summer. Similarly, winter skate is a more prevalent co-correspondent in winter than other times of the year. This metric, like the spatial overlap trend over time, is sensitive to abundance as evidenced by the lack of spatial overlap between Atlantic halibut and any other species.

Mid-Atlantic Bight

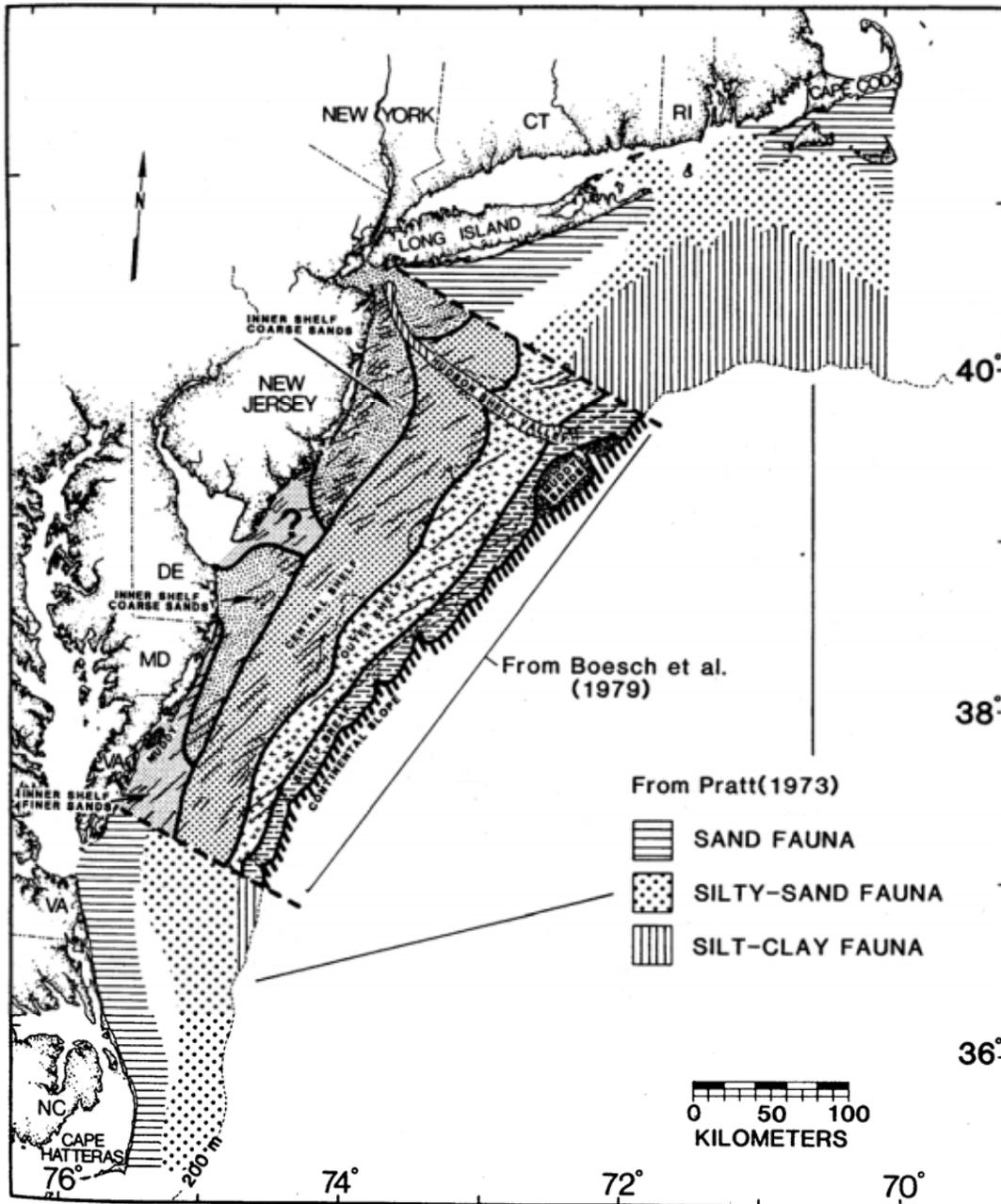
Three broad faunal zones related to water depth and sediment type were identified for the Mid-Atlantic by Pratt (1973). The "sand fauna" zone was defined for sandy sediments (1% or less silt) which are at least occasionally disturbed by waves, from shore out to 50 m. The "silty sand fauna" zone occurred immediately offshore from the sand fauna zone, in stable sands containing at least a few percent silt and slightly more (2%) organic material. Silts and clays become predominant at the shelf break and line the Hudson Shelf Valley, and support the "silt-clay fauna."

Building on Pratt's (1973) work, the Mid-Atlantic shelf was further divided by Boesch (1979) into seven bathymetric/morphologic subdivisions based on faunal assemblages (Table 14, Figure 17). Sediments in the region studied (Hudson Shelf Valley south to Chesapeake Bay) were dominated by sand with little finer material. Ridges and swales are important morphological features in this area. Sediments are coarser on the ridges, and the swales have greater benthic macrofaunal density, species richness and biomass. Faunal species composition differed between these features, and Boesch (1979) incorporated this variation in his subdivisions; much overlap of species distributions was found between depth zones, so the faunal assemblages represented more of a continuum than distinct zones.

Table 14 - Mid-Atlantic habitat types as described by Pratt (1973) and Boesch (1979) with characteristic macrofauna as identified in Boesch (1979).

Habitat Type (after Boesch 1979)	Description		
	Depth (m)	Characterization (Pratt faunal zone)	Characteristic Benthic Macrofauna
Inner shelf	0-30	characterized by coarse sands with finer sands off MD and VA (sand zone)	Polychaetes: Polygordius, Goniadella, Spiophanes
Central shelf	30-50	(sand zone)	Polychaetes: Spiophanes, Goniadella Amphipod: Pseudunciola
Central and inner shelf swales	0-50	occurs in swales between sand ridges (sand zone)	<i>Polychaetes</i> : Spiophanes, Lumbrineris, Polygordius
Outer shelf	50-100	(silty sand zone)	Amphipods: Ampelisca vadorum, Erichthonius Polychaetes: Spiophanes
Outer shelf swales	50-100	occurs in swales between sand ridges (silty sand zone)	Amphipods: Ampelisca agassizi, Unciola, Erichthonius
Shelf break	100-200	(silt-clay zone)	not given
Continental slope	>200	(none)	not given

Figure 17 - Schematic representation of major macrofaunal zones on the Mid-Atlantic shelf.



Wigley and Theroux (1981) found a general trend in declining macrobenthic invertebrate density from coastal areas offshore to the slope, and on the shelf from Southern New England south to the Commonwealth of Virginia and State of North Carolina. There were no detectable trends in density from north to south on the slope. Number of individuals was greatest in gravel sediments, and declined in sand-gravel, sand-shell, sand, shell, silty sand, silt, and finally, clay. However, biomass of benthic macrofauna was greatest in shell habitat, followed by silty sand, gravel, sand-gravel, sand, sand-shell, silt, and clay.

Demersal fish assemblages were described at a broad geographic scale for the continental shelf and slope from Cape Chidley, Labrador to Cape Hatteras, North Carolina (Mahon et al. 1998) and from Nova Scotia to Cape Hatteras (Gabriel 1992). Factors influencing species distribution included latitude and depth.

Results of these studies were similar to an earlier study confined to the Mid-Atlantic Bight continental shelf (Colvocoresses and Musick 1984). In this study, there were clear variations in species abundances, yet they demonstrated consistent patterns of community composition and distribution among demersal fishes of the Mid-Atlantic shelf. This is especially true for five (5) strongly recurring species associations that varied slightly by season (Table 15). The boundaries between fish assemblages generally followed isotherms and isobaths. The assemblages were largely similar between the spring and fall collections, with the most notable change being a northward and shoreward shift in the temperate group in the spring.

Table 15 - Major recurrent demersal finfish assemblages of the Mid-Atlantic Bight during spring and fall as determined by Colvocoresses and Musick (1984).

Season	Species Assemblage				
	Boreal	Warm temperate	Inner shelf	Outer shelf	Slope
Spring	Atlantic cod little skate sea raven monkfish winter flounder longhorn sculpin ocean pout whiting red hake white hake spiny dogfish	black sea bass summer flounder butterfish scup spotted hake northern searobin	windowpane	fourspot flounder	shortnose greeneye offshore hake blackbelly rosefish white hake
Fall	white hake whiting red hake monkfish longhorn sculpin winter flounder yellowtail flounder witch flounder little skate spiny dogfish	black sea bass summer flounder butterfish scup spotted hake northern searobin smooth dogfish	windowpane	fourspot flounder fawn cusk eel gulf stream flounder	shortnose greeneye offshore hake blackbelly rosefish white hake witch flounder

Steimle and Zetlin (2000) described representative finfish species and epibenthic/epibiotic and motile epibenthic invertebrates associated with Mid-Atlantic reef habitats (Table 16). Most of these reefs are human-made structures.

Table 16 - Mid-Atlantic reef types, location, and representative flora and fauna, as described in Steimle and Zetlin (2000).

Location (Type)	Representative Flora and Fauna		
	Epibenthic/Epibiotic	Motile Epibenthic Invertebrates	Fish
Estuarine (Oyster reefs, blue mussel beds, other hard surfaces, semi-hard clay and Spartina peat reefs)	Oyster, barnacles, ribbed mussel, blue mussel, algae, sponges, tube worms, anemones, hydroids, bryozoans, slipper shell, jingle shell, northern stone coral, sea whips, tunicates, caprellid amphipods, wood borers	Xanthid crabs, blue crab, rock crabs, spider crab, juvenile American lobsters, sea stars	Gobies, spot, striped bass, black sea bass, white perch, toadfish, scup, drum, croaker, spot, sheepshead porgy, pinfish, juvenile and adult tautog, pinfish, northern puffer, cunner, sculpins, juvenile and adult Atlantic cod, rock gunnel, conger eel, American eel, red hake, ocean pout, white hake, juvenile pollock
Coastal (exposed rock/soft marl, harder rock, wrecks & artificial reefs, kelp, other materials)	Boring mollusks (piddocks), red algae, sponges, anemones, hydroids, northern stone coral, soft coral, sea whips, barnacles, blue mussel, horse mussel, bryozoans, skeleton and tubiculous amphipods, polychaetes, jingle shell, sea stars	American lobster, Jonah crab, rock crabs, spider crab, sea stars, urchins, squid egg clusters	Black sea bass, pinfish, scup, cunner, red hake, gray triggerfish, black brouper, smooth dogfish, sumemr flounder, scad, bluefish amberjack, Atlantic cod, tautog, ocean pout, conger eel, sea raven, rock gunnel, radiated shanny
Shelf (rocks & boulders, wrecks & artificial reefs, other solid substrates)	Boring mollusks (piddocks) red algae, sponges, anemones, hydroids, stone coral, soft coral, sea whips, barnacles, blue mussels, horse mussels, bryozoans, amphipods, polychaetes	American lobster, Jonah crabs, rock crabs, spider crabs, sea stars, urchins, squid egg clusters (with addition of some deepwater taxa at shelf edge)	Black sea bass, scup, tautog, cunner, gag, sheepshead porgy, round herring, sardines, amberjack, spadefish, gray triggerfish, mackerels, small tunas, spottail pinfish, tautog, Atlantic cod, ocean pout, red hake, conger eel, cunner, sea raven, rock gunnel, pollock, white hake
Outer shelf (reefs and clay burrows including “pueblo village community”)			Tilefish, white hake, conger eel

4.3 PROTECTED RESOURCES

The following protected species are found in the environment in which the sea scallop fishery is prosecuted. A number of them are listed under the Endangered Species Act of 1973 (ESA) as endangered or threatened, while others are identified as protected under the Marine Mammal Protection Act of 1972 (MMPA). Two right whale critical habitat designations also are located within the action area. An update and summary is provided here to facilitate consideration of the species most likely to interact with the scallop fishery relative to the proposed action.

A more complete description of protected resources inhabiting the action area is provided in Amendment 10 to the Sea Scallop FMP (See Amendment 10 to the Atlantic Sea Scallop Fishery Management Plan, Section 7.2.7, Protected Species, for a complete list. An electronic version of the document is available at <http://www.nefmc.org/scallops/index.html>).

Cetaceans

	<i>Status</i>
Northern right whale (<i>Eubalaena glacialis</i>)	Endangered
Humpback whale (<i>Megaptera novaeangliae</i>)	Endangered
Fin whale (<i>Balaenoptera physalus</i>)	Endangered
Blue whale (<i>Balaenoptera musculus</i>)	Endangered
Sei whale (<i>Balaenoptera borealis</i>)	Endangered
Sperm whale (<i>Physeter macrocephalus</i>)	Endangered
Minke whale (<i>Balaenoptera acutorostrata</i>)	Protected
Pilot whale (<i>Globicephala</i> spp.)	Protected
Spotted dolphin (<i>Stenella frontalis</i>)	Protected
Risso's dolphin (<i>Grampus griseus</i>)	Protected
White-sided dolphin (<i>Lagenorhynchus acutus</i>)	Protected
Common dolphin (<i>Delphinus delphis</i>)	Protected
Bottlenose dolphin: coastal stocks (<i>Tursiops truncatus</i>)	Protected
Harbor porpoise (<i>Phocoena phocoena</i>)	Protected

Seals

Harbor seal (<i>Phoca vitulina</i>)	Protected
Gray seal (<i>Halichoerus grypus</i>)	Protected
Harp seal (<i>Phoca groenlandica</i>)	Protected
Hooded seal (<i>Cryosophora cristata</i>)	Protected

Sea Turtles

Leatherback sea turtle (<i>Dermochelys coriacea</i>)	Endangered
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	Endangered
Green sea turtle (<i>Chelonia mydas</i>)	Endangered*
Loggerhead sea turtle (<i>Caretta caretta</i>)	Threatened

Fish

Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	Endangered
Atlantic salmon (<i>Salmo salar</i>)	Endangered

Critical Habitat Designations

Right whale Cape Cod Bay
Great South Channel

* *Green turtles in U.S. waters are listed as threatened except for the Florida breeding population which is listed as endangered.*

Threatened and Endangered Species Not Likely to be Affected by the Alternatives Under Consideration

According to the most recent Biological Opinion (Opinion) provided by NMFS dated 9/18/06, the agency has previously determined that species not likely to be affected by the Scallop Fishery Management Plan or by the operation of the fishery include the shortnose sturgeon, the Gulf of Maine distinct population segment of Atlantic salmon and hawksbill sea turtles, as well as North Atlantic right, humpback fin, sei and sperm whales, all of which are listed as endangered species under the ESA. NMFS also concluded that neither the Sea Scallop FMP nor the fishery has had any adverse effects on habitat features in right whale critical habitat areas.

Threatened and Endangered Species Potentially Affected Adversely by the Alternatives Under Consideration

The recent Opinion identified species that may be adversely affected by the Scallop FMP and the fishery --- loggerhead, leatherback, Kemp's ridley and green sea turtles while concluding that the fishery would not likely jeopardize the continued existence of threatened and endangered sea turtles. Further discussions in Amendment 11 will therefore focus on these species. Summary information is provided here that broadly describes the general distribution of sea turtles within the scallop action area, as well as the known interactions with sea scallop gear.

Additional background information on the relevant sea turtle species can be found in a number of published documents. These include sea turtle status reviews and biological reports (NMFS and USFWS 1995; Hirth 1997; USFWS 1997; Marine Turtle Expert Working Group (TEWG) 1998 & 2000), and recovery plans for Endangered Species Act-listed sea turtles (NMFS 1991; NMFS and USFWS 1991a; NMFS and USFWS 1991b; NMFS and USFWS 1992; NMFS 1998; USFWS and NMFS 1992; NMFS 2005).

Loggerhead, leatherback, Kemp's ridley, and green sea turtles occur seasonally in southern New England and Mid-Atlantic continental shelf waters north of Cape Hatteras. In general, turtles move up the coast from southern wintering areas as water temperatures warm in the spring (James *et al.* 2005; Morreale and Standora 2005; Braun-McNeill and Epperly 2004; Morreale and Standora 1998; Musick and Limpus 1997; Shoop and Kenney 1992; Keinath *et al.* 1987). The trend is reversed in the fall as water temperatures cool. By December, turtles have passed Cape Hatteras, returning to more southern waters for the winter (James *et al.* 2005; Morreale and Standora 2005; Braun-McNeill and Epperly 2004; Morreale and Standora 1998; Musick and Limpus 1997; Shoop and Kenney 1992; Keinath *et al.* 1987). Hard-shelled species are typically observed as far north as Cape Cod whereas the more cold-tolerant leatherbacks are observed in more northern Gulf of Maine waters in the summer and fall (Shoop and Kenney 1992; STSSN database).

Sea turtles are known to be captured in scallop dredge and trawl gear, gear types that are used in the fisheries affected by this action. Interactions with scallop gear are likely where sea turtle distribution overlaps with the operation of the fishery. All four species overlap, in part, with the distribution of scallop dredge and trawl gear operations (insert maps here). To date, with one exception, known interactions with scallop trawl and dredge gear have occurred in the Mid-Atlantic during the months of June through October, although interactions also could occur

during May and November given the variability of sea turtle seasonal movements and the range of the scallop fishery. Turtle interactions in fish trawl gear have occurred throughout most of the year (see Murray 2007). The one exception is a ridley taken on southern Georges Bank in August 2005 that occurred south of 41 09' N.

The most recent Biological Opinion (BO) issued by NMFS (September 18, 2006), summarizes most of the information available to date concerning sea turtle interactions with scallop gear, including research on factors affecting estimated bycatch rates in the dredge fishery. The BO states that 64 sea turtles have been observed captured in scallop gear during the period 1996-2005. All have been identified as hard-shelled sea turtles (loggerheads, Kemp's ridleys, or greens); however, 18 have not been specifically identified to species. Four were fresh dead upon retrieval or died on the vessel, 1 was alive but required resuscitation, 26 were alive but injured, 20 were alive and uninjured and 13 were listed as alive but condition unknown. Since the BO was published, these numbers have been adjusted and if only on-watch takes and non-decomposed takes were included, the total number from 1996-2005 would be 61. Of the 61 on watch takes of non-decomposed turtles, 44 were identified to species (one green and 43 loggerheads) and 17 were not identified to species. In terms of condition for those 61, approximately 20 alive/not injured, 25 alive/injured, 11 alive/condition unknown, 1 alive/resuscitated, and 4 dead/fresh (either fresh dead upon retrieval or died on the vessel).

The 2006 Biological Opinion also discussed observed takes of sea turtles in scallop trawl gear. In October 2004, three loggerheads were observed taken in separate tows on a single trip by a vessel operating off of the Delmarva Peninsula. All three were uninjured and released. Five sea turtles, all identified as loggerheads, were observed captured in scallop trawl gear during the 2005 scallop fishing year. Four of the five were described as alive/uninjured, with the fifth requiring resuscitation.

Subsequent to issuance of the 2006 BO, Murray (2007) the average annual bycatch of loggerhead sea turtles in Mid-Atlantic scallop trawl gear during 2004-2005. Using three methods to generate six different estimates, Murray reported point estimates ranging from 81-191 turtles. (Separate confidence intervals for each estimate ranged from a minimum of 20 turtles to a maximum of 320 turtles).

During 2005 two loggerhead turtles and 1 Kemp's ridley turtle were caught in scallop dredge gear when an observer was off-watch (Murray 2007). When an observer is off-watch, only a limited amount of information is recorded for the haul by the Captain, so information from off-watch hauls are not normally used to calculate bycatch rates in the fishery (see Murray 2007 for more information). No turtle bycatch were observed during 2005 when an observer was on-watch. Therefore, based on traditional sampling protocols, no turtle bycatch occurred in scallop dredge gear during 2005 so the observed bycatch rate was zero. Total estimated bycatch in scallop dredge gear in 2005 was zero, although there is no evidence to suggest that the 2005 estimate is a good predictor of bycatch in subsequent years (Murray, 2007).

Sea Turtle Conservation

Below is a summary of some of the regulations in place for turtle conservation. On December 3, 2002, the agency published a final rule (67 *Federal Register* 71895) establishing seasonally

adjusted gear restrictions by closing portions of the mid-Atlantic EEZ waters to fishing with large-mesh (>8”) to protect migrating sea turtles, following an interim final rule published March 21 that year. Note this area overlaps with only part of the scallop fishery and this gear type is not managed under the Scallop FMP. The basis of this rule was that sea turtles migrate northward as water temperatures warmed. At the time the interim and final rules were published, there was no evidence that the primary fishery involved – monkfish – was being prosecuted in state waters. In 2002, when most monkfish fishermen were not permitted under the FMP to fish in the EEZ and the rest were faced with the sea turtle closures, the proportion of North Carolina monkfish landings from state waters increased five-fold to 92%, posing an unforeseen risk to migrating sea turtles since they were not protected in state waters. In response, NMFS published a final rule on April 26, 2006 (71 *Federal Register* 24776) that included modifications to the large-mesh gillnet restrictions. Specifically, the new final rule revises the gillnet restrictions to apply to stretched mesh that is 7 inches or greater and extends the prohibition on the use of such gear to North Carolina and Virginia state waters. Federal and state waters north of Chincoteague, VA remain unaffected by the large-mesh gillnet restrictions.

NMFS has recently finalized a rule (71 FR 50361, August 23, 2006) that requires modification of scallop dredge gear by use of a chain mat when the gear is fished in Mid-Atlantic waters south of 41 9.0’N from the shoreline to the outer boundary of the EEZ during the period May 1 through November 30 each year. The intent of the dredge gear modification is to reduce the severity of some turtle interactions that might occur by preventing turtles from entering the dredge bag.

On February 15, 2007 the agency also issued an advance notice of proposed rulemaking to announce it is considering amendments to the regulatory requirements for turtle excluder devices (TEDs). Among other issues, NMFS is considering requiring the use of TEDs in the Mid-Atlantic sea scallop trawl fishery, and moving the current northern boundary of the summer flounder fishery-sea turtle protection area off of Cape Charles, VA to a point farther north. The objective of the proposed measures is to effectively protect all life stages and species of sea turtle in Atlantic trawl fisheries where they are vulnerable to incidental capture and mortality.

4.4 FISHERY-RELATED BUSINESSES AND COMMUNITIES

4.4.1 Scallop Permits

The scallop fishery consists of vessels with limited access scallop permits that are regulated with area-specific DAS and trip allocations and vessels with general category scallop permits that are regulated with a 400 lb. possession limit. The limited access fishery was established since Amendment 4 to the Scallop FMP was developed and implemented in 1994 (NEFMC 2003). The limited access vessels consist of full-time, part-time and occasional vessels with subcategories within each permit group. Depending on the type of limited access permit for which the vessel qualified, a scallop limited access vessel may have the option of fishing with any gear type (permit categories 2, 3 and 4), with a small dredge (categories 5 and 6), or with trawl nets (categories 7, 8 and 9). Fishing effort for vessels that possess limited access permits is managed through the use of crew size restrictions, gear restrictions, and DAS allocations.

Days-at-Sea and trip allocations for special access areas are similarly varied by permit category. Owners of limited access vessels assigned to either the part-time or occasional categories (permit categories 3 and 4, respectively) may opt to be placed one category higher (permit categories 5 and 6, respectively), provided they agree to comply with the small dredge program restrictions. Vessels in the small dredge program must: (1) fish exclusively with one dredge no more than 10.5 ft in width; (2) the vessel may not have more than one dredge on board or in use; and (3) the vessel may have no more than five people, including the operator, on board (NEFMC 2003).

The number of limited access vessels increased from 280 in 1999 to 359 in 2005 (Table 17). The number of general category permits has been about 2,000 per year until recent years, and was just under 3,000 in 2005.

Table 17. Scallop Permits by Application Year

PERMIT CATEGORY	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006*
Full-time	229	227	217	204	203	213	220	224	234	238	242	247	249
Full-time small dredge	6	4	5	3	2	1	3	13	25	39	48	56	55
Full-time net boat	30	32	28	27	23	16	17	16	16	16	15	18	14
Total full-time	265	263	250	234	228	230	240	253	275	293	305	321	318
Part-time	27	22	19	16	11	12	16	14	14	10	4	3	2
Part-time small dredge	11	7	8	9	7	3	4	6	8	19	26	29	30
Part-time trawl	31	30	27	30	27	22	20	18	10	8	3		
Total part-time	69	59	54	55	45	37	40	38	32	37	33	32	32
Occasional	6	3	3	2	3	4	4	5	4	3	3	1	1
Occasional trawl	28	26	25	24	19	20	16	19	15	8	5	5	
Total occasional	34	29	28	26	22	24	20	24	19	11	8	6	1
Total Limited access	368	351	332	315	295	291	300	315	326	342	346	359	351
General category	1992	2075	2003	2002	1939	2096	2263	2378	2512	2574	2827	2950	2501

Updated in Oct.2006.

4.4.2 Trends in scallop landings, revenue and prices

The scallop fishery is one of the most valuable U.S. fisheries (NMFS 2003). U.S. landings exceeded 54.6 million pounds in 2003 fishing year and 62.1 million pounds in 2004, a new record. The 2004 U.S. ex-vessel sea scallop revenues were about \$307 million making the sea scallop fishery the second most valuable in the northeastern United States (NMFS 2004c). The historical trends in sea scallop landings, revenues, prices are shown in Table 18 for the period 1994-2006. The period from 1994-1998 corresponds to the implementation of Amendment 4, when the Council began managing the scallop fishery through limited access controls. As Table 1 shows, overfishing in the previous period combined with the effort reduction measures and closure of the Georges Bank groundfish areas to scallop fishing resulted in a dramatic decline in scallop landings, averaging only 15.5 million lb. per year during this period. The period from 1999 to 2004 corresponds, however, to the rebuilding of the sea scallop biomass. As a result of this recovery, landings almost doubled to 21.1 million in 1999 from 11.2 million lb. in 1998, and have increased to over 50 million lb. since 2002. During the same period, landings per unit effort, i.e. per day-at-sea used, more than doubled compared to the levels during 1994-1998,

lowering the fishing costs per pound of scallops and benefiting the vessels participating in the sea scallop fishery.

Table 18 – Scallop landings and revenues by fishing year

Fishing year	Landings (million lb.)	Revenue (million \$, 2004 prices)	Ex-vessel Price (2004 prices)	Average landings (lb.) per day-at-sea used
1994	15.3	\$74.3	\$4.9	428
1995	15.8	\$80.2	\$5.1	463
1996	16.4	\$92.8	\$5.6	465
1997	12.8	\$82.8	\$6.5	402
1998	11.2	\$67.7	\$6.0	406
1999	21.1	\$115.1	\$5.5	904
2000	33.2	\$163.2	\$4.9	1,329
2001	45.5	\$166.2	\$3.7	1,557
2002	49.9	\$193.5	\$3.9	1,623
2003	54.6	\$225.0	\$4.1	1,668
2004	62.1	\$307.0	\$4.9	2,013
2005	53.3	\$408.1	\$7.5	1,810*
2006	56.1*	\$347.3*	\$5.9*	1,710*

* Preliminary estimates

In terms of future yield and revenue from this fishery, Table 19 describes the total expected yield from the scallop resource for the next 11 years based on the most recent projections available (simulations used for the Interim Action in December 2006 to reduce the number of Elephant Trunk trips). For example, total landings is estimated to be around 56 million pounds in 2008, roughly equal to landings in 2005 fishing year, and range between 61 lb. to 68 million lb. afterwards. The scallop assessment is currently under review (SARC 45, June 2007) and these projections may vary based on the results of that assessment.

Table 19. Estimated Scallop Landings, Prices and Revenues (in 2006 prices, based on projections used in EA for ETA)

Fishing year	Meat Count	Total landings	LPUE	DAS	Price	Total Revenue
2007	16	61	1,810	33,653	6.76	429
2008	15	56	2,279	24,496	7.66	428
2009	14	61	2,366	25,736	6.90	419
2010	13	64	2,449	26,361	6.41	411
2011	13	66	2,437	27,392	6.09	405
2012	14	67	2,394	28,143	5.94	400
2013	14	66	2,353	27,922	6.16	405
2014	14	67	2,341	28,685	5.92	399
2015	14	68	2,327	28,911	5.90	398
2016	14	64	2,301	27,835	6.38	410
2017	14	67	2,315	28,672	6.04	402

4.4.3 Limited Access Fishery

This action is focused on the general category fishery so most of the analyses in this section will focus on that component of the fishery, but this section will summarize some updated information about the limited access fishery. Section 4.5.3 of Framework 18 includes

information about the limited access fishery for the most recent SAFE Report. Additional information on this component of the fishery will be updated in Framework 19 for the next biennial SAFE Report.

In summary, the majority of scallops are landed by limited access vessels (Table 41). Total landings by this component of the fishery have increased from a low of 10.5 million pounds in 1998 to a record high of 58.1 million pounds in 2004. About 325 active limited access vessels have landed scallops under limited access in recent years (Table 20). That number includes all three permit categories (full-time, part-time and occasional). The number of individual trips were over 4,000 in 2004, rose to over 5,000 in 2005 and for most of 2006 fishing year were below 3,000. Average revenue per vessel has been about 1.0 million dollars in recent years. Table 21 summarizes the vessel distribution for limited access vessels over time (length and gross tonnage).

Table 20. Active limited access scallop vessels for recent fishing years (Dealer data)

Permit Type	Data	2004	2005	2006*
Limited Access	Number of vessels	323	334	323
	Total number of trips	4,521	5,292	2,758
	Scallop pounds per vessel	184,194	134,442	127,001
	Average scallop revenue per vessel	940,065	1,038,976	772,914
	Average total revenue per vessel	988,401	1,072,991	803,873
	Total scallop landings	59,494,630	44,903,637	41,021,231

*Preliminary estimates including January 2007. Fishing year February 28, 2007.

Table 21. Vessel size distribution for limited access vessels.

Length	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
LARGE (greater than 70 ft)	287	287	266	251	244	244	249	256	262	273	283	274
MEDIUM (between 70 and 50 ft)	64	55	56	52	43	40	43	48	49	51	47	46
SMALL (less than 50 ft)	17	10	10	9	8	7	8	11	15	17	16	8
GRT	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Less or equal to 50 GRT	28	18	17	15	12	9	11	13	18	20	18	10
Between 50 and 100 GRT	49	48	50	48	41	38	35	42	41	44	44	42
Between 100 and 150 GRT	125	123	111	106	98	100	108	110	116	123	125	123
Between 150 and 175 GRT	75	74	69	62	64	64	63	66	65	69	74	70
Greater than 175 GRT	91	89	85	81	80	80	83	84	86	85	85	83

Source: vessel permit information.

4.4.4 General Category Fishery

There were 2,873 general category permits (compared to 363 limited access permits) issued in fishing year 2005. While the limited access fleet consists mainly of large, full-time dredge vessels (on average 78 feet long and 138 GRT), general category vessels are predominantly small ones under 50 ft in length (Table 22). The number of general category vessels has increased 44% between 1994 and 2005 (compared to a 1.3% decrease in limited access permits during the same period). The share of small vessels has also increased, with 64% of the general category fleet less than 50ft in 1994, compared to 71% in 2005. While the length of general category vessels has varied between a mean of 45 and 48 annually, the advent of the VMS

category in 2005 shows that vessels with VMS (1B permits) tend to be larger. 82% of 1A vessels in 2005 were less than 50ft, while over half of the 1B vessels were greater than 50ft (Table 23).

Table 22 - General category vessels by length and tonnage, 1994-2006

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Length													
Less than 50 ft.	1274	1370	1325	1317	1318	1456	1602	1698	1822	1864	2048	2031	1729
50-70 ft.	401	396	383	385	363	379	388	392	392	400	425	441	391
Greater than 70 ft.	317	308	295	300	258	261	273	288	298	310	354	401	370
<i>total</i>	<i>1992</i>	<i>2074</i>	<i>2003</i>	<i>2002</i>	<i>1939</i>	<i>2096</i>	<i>2263</i>	<i>2378</i>	<i>2512</i>	<i>2574</i>	<i>2827</i>	<i>2873</i>	<i>2490</i>
Tonnage													
0-50 GRT	1421	1515	1468	1465	1454	1597	1750	1845	1968	2013	2214	2205	1880
50.1-100 GRT	245	238	229	226	218	223	233	241	240	249	268	270	256
100.1-150 GRT	213	209	203	197	169	172	172	180	188	196	222	267	235
gt 150 GRT	113	112	103	114	98	101	104	108	114	114	120	129	119
<i>total</i>	<i>1992</i>	<i>2074</i>	<i>2003</i>	<i>2002</i>	<i>1939</i>	<i>2093*</i>	<i>2259*</i>	<i>2374*</i>	<i>2510*</i>	<i>2572*</i>	<i>2824*</i>	<i>2871*</i>	<i>2490</i>

*Not all vessels provided tonnage information. Source: NE Permit data.

Table 23 - Length and tonnage of VMS and non-VMS permits, 2005-2006

	Ave. length, all general category	No. of 1A permits	Ave. length of 1A permits	Average GRT of 1A permits	No. of 1B permits	Ave. length of 1B permits	Ave. GRT of 1B permits
2005	45.9	2013	41.0	28.3	860	57.5	67.4
2006	46.4	1533	39.6	26.1	958	57.2	65.7

Source: NE Permit Data.

While there were close to 3,000 general category permits in 2005, the number of active vessels that have landed at least one pound of scallops is much lower (Table 24). For example, in 2004 about 426 vessels landed scallops under general category and that number went above 600 vessels in 2005. The average number of scallop trips per general category vessel has increased in recent years. Most vessels took less than ten general category trips before 2000 (Table 25). Since then the number has increased and recently over 100 vessels have taken over 90 trips per year. Similarly the distribution of vessels in terms of the number of trips per year and average scallop landings per trip are described in Table 26 and Table 27. These tables show that the number of vessels that take more than 50 trips per year for example, has increased in recent years as well as the average pounds landed per trip.

Table 24. Number of active general category vessels and scallop landings (lb.)

Data	2004 fish year	2005 fish year	2006 fishyear*
Number of vessels	426	607	535
Total scallop landings (lb.)	3,375,921	7,185,181	4,420,917

Source: Dealer Data

*March 2006 to Sept. 2006, preliminary numbers.

Table 25. Average number of scallop trips (data partially corrected for 2000-04 fish years)

FISHYEAR	<10 trips	10-29 trips	30-49 trips	50-69 trips	70-89 trips	>=90 trips	Grand Total
1994	2.5	13.5	39.5				3.9
1995	2.5	15.7	36.2	52.0			5.5
1996	3.0	17.0	40.8	59.0	78.3	110.0	9.2
1997	3.0	15.9	38.7	60.5	74.0	96.0	8.4
1998	3.2	16.8	39.4	59.2	81.0		8.7
1999	2.6	17.1	34.0	67.5	77.0	101.0	7.1
2000	2.9	16.9	34.3	61.3	79.8	124.0	9.5
2001	3.1	17.0	37.3	55.9	82.0	120.5	17.6
2002	3.4	16.2	37.4	56.7	81.0	123.3	13.2
2003	3.0	16.2	38.8	62.7	77.3	114.3	17.8
2004	3.6	16.9	39.6	59.0	76.4	110.6	20.9
*2005	3.9	19.1	39.1	60.3	77.5	124.5	35.1
Grand Total	3.1	17.0	38.7	59.8	78.0	119.4	16.8

*Preliminary numbers

Table 26. Number of vessels by number of scallop trips

FISHYEAR	<10 trips	10-29 trips	30-49 trips	50-69 trips	70-89 trips	>=90 trips	Grand Total
1994	135	13	NA				150
1995	137	21	5	NA			164
1996	161	33	10	NA	4	NA	210
1997	168	57	7	NA	NA	NA	236
1998	159	33	7	6	NA		206
1999	157	29	NA	NA	NA	NA	192
2000	156	37	4	4	5	NA	207
2001	182	40	26	10	9	11	278
2002	191	73	19	7	3	6	299
2003	200	63	28	15	10	12	328
2004	246	78	42	25	14	22	427
*2005	228	112	93	66	43	56	598
Grand Total	2120	589	244	139	91	112	3295

NA: Indicates that there were 3 or less vessels in this group. *Preliminary numbers

Table 27. Average scallop pounds per trip (data partially corrected for 2000-04 fish years)

FISHYEAR	<10 trips	10-29 trips	30-49 trips	50-69 trips	70-89 trips	>=90 trips	Grand Total
1994	192	124	42				185
1995	154	108	108	6			146
1996	88	123	62	161	111	55	93
1997	104	136	68	115	179	77	111
1998	NA	106	53	91	101		NA
1999	101	88	252	43	65	72	99
2000	127	181	198	54	172	693	141
2001	107	207	275	270	375	214	156
2002	138	267	244	248	261	230	182
2003	116	227	277	306	311	301	173
2004	209	255	293	292	372	363	244
*2005	290	296	290	309	309	333	299

*Preliminary numbers

Table 29 to Table 33 provide information on general category vessels in terms of annual scallop landing per vessel, the percentage of total revenue from scallops, revenue from other fisheries and landings by gross tonnage. The majority of the active scallop vessels derived 10% or less of their total revenue from scallops, whereas an increasing number of vessels earned 90% or more of their fishing revenue from scallops in the recent years (Table 28). Only 26 vessels, however, landed 30,000 lb. or more scallops during 2004 with an average of 96% dependence on scallop income (Table 29). Average landings for these vessels were 39,411 lb. and average gross tonnage was 59 (Table 31 and Table 32). Since these were smaller vessels, their trip and fixed costs would less than compared to larger boats.

It is clear that the vessels that landed smaller amounts of scallops per year had less dependence on scallop revenue compared to the vessels that target scallops and land large volumes. For example, 150 vessels during 2004 fishing year landed less than 1000 lb. of scallops and derived on the average 18% of their income from scallops. Similarly, 109 vessels in 2004 landed between 1000 lb. to 4,999 lb. and derived on the average 30% of their revenue from scallops. The average dependence on scallop revenue increased above 60% for vessels that landed 5000 lb. or more scallops (Table 29).

Table 28. Number of general category vessels by percent revenue from scallops

Fish Year	Percent of revenue from scallops						Grand Total
	<10%	10%-29%	30%-49%	50%-69%	70%-89%	>=90%	
1994	110	10	4	4*		15	143
1995	118	12	10	6*		18	164
1996	126	24	11	10*		39	210
1997	144	22	10	8	4	43	231
1998	137	17	6	7*		36	203
1999	143	10	7	3*		28	191
2000	143	19	11	3*		25	201
2001	160	23	11	5	9	66	274
2002	170	27	15	5	7	73	297
2003	181	26	13	12	10	83	325
2004	183	29	15	18	17	111	373

* In order to protect confidentiality the two groups are combined.

Table 29. Percentage of scallop revenue by annual scallop landings.

Fish year	Annual scallop landings per vessel					
	<1000 lb.	1000-4999	5000-9999 lb.	10000-19999 lb.	20000-29999 lb.	>=30000 lb.
1994	9%	49%				
1995	10%	55%		NA		
1996	19%	49%	61%	NA		
1997	16%	52%	NA	73%		
1998	15%	56%	72%	NA		
1999	14%	43%	88%			
2000	8%	49%	40%	34%	NA	NA
2001	15%	50%	48%	64%	96%	73%
2002	15%	47%	53%	71%	69%	82%
2003	12%	51%	83%	78%	71%	80%
2004	18%	30%	63%	84%	79%	96%

Table 30. Revenue from other fisheries

Fish year	Annual scallop landings per vessel					
	<1000 lb.	1000-4999	5000-9999 lb.	10000-19999 lb.	20000-29999 lb.	>=30000 lb.
1994	205,421	85,870				
1995	186,240	44,653		NA		
1996	206,549	38,375	42,843	NA		
1997	191,436	49,233	-	25,611		
1998	225,341	65,429	37,967	-		
1999	242,167	96,282	15,315			
2000	267,126	91,958	316,307	145,705	NA	NA
2001	255,467	101,487	153,971	93,917	10,254	51,004
2002	269,894	109,095	132,708	161,266	73,499	53,298
2003	278,314	118,894	65,771	117,374	160,116	62,429
2004	177,427	182,422	126,460	36,281	52,365	11,241

Table 31. Number of vessels by annual scallop landings.

Fish year	Annual scallop landings per vessel					
	<1000 lb.	1000-4999	5000-9999 lb.	10000-19999 lb.	20000-29999 lb.	>=30000 lb.
1994	119	24				
1995	134	29		NA		
1996	166	34	8	NA		
1997	171	54	NA	4		
1998	163	33	6	NA		
1999	164	22	5			
2000	150	34	11	4	NA	NA
2001	169	45	18	23	11	8
2002	170	72	30	16	4	5
2003	186	58	28	30	11	12
2004	150	109	33	44	11	26

Table 32. Average scallop pounds per vessel for each group.

Fish year	Annual scallop landings per vessel					
	<1000 lb.	1000-4999	5000-9999 lb.	10000-19999 lb.	20000-29999 lb.	>=30000 lb.
1994	157	2287				
1995	176	2343		NA		
1996	209	2275	7027	NA		
1997	231	2154	NA	14699		
1998	220	2186	6506	NA		
1999	218	2090	6737			
2000	223	2328	6619	13561	NA	NA
2001	251	2552	7059	13285	24619	38028
2002	245	2448	6913	14339	22592	41999
2003	249	2855	6281	14481	26594	37960
2004	352	2010	7711	14301	25613	39411

Table 33. Average GRT by annual scallop landings.

Fish year	Annual scallop landings per vessel					
	<1000 lb.	1000-4999	5000-9999 lb.	10000-19999 lb.	20000-29999 lb.	>=30000 lb.
1994	87	41				
1995	87	31		15		
1996	71	29	22	16		
1997	68	31	17	21		
1998	70	37	41	27		
1999	74	45	24			
2000	81	46	68	58	50	36
2001	92	35	44	40	29	41
2002	99	46	42	36	33	66
2003	79	51	38	49	56	66
2004	75	86	64	50	63	59

Table 34 through Table 36 describe general category landings by gear type. These tables are generated by VTR data and since all VTR records do not include gear information the number of vessels in these tables will differ from other tables that summarize general category vessels and landings from dealer data. Primary gear is defined as the gear used to land more than 50% of scallop pounds. These data with gear type were only available through fishing year 2004. Most general category effort is and has been from vessels using scallop dredge and other trawl gear (Table 34). The number of vessels using scallop trawl gear has increased in recent years as well. In terms of landings, most scallop landings under general category are with dredge gear (Table 35). Scallop landings with other trawl gear was relatively high in 2000 and 2001 and again in 2003 and 2004, but landings with scallop trawl gear have increased in both 2003 and 2004. Table 36 shows the percent of general category landings by primary gear per year.

Table 34. Number of general category vessels by primary gear and fishing year

Fishing year	Scallop Dredge	Other dredge	Scallop trawl	Other trawl	Misc. gear	Grand Total	
1994	24	NA	NA		47	6	80
1995	33	3			61	4	101
1996	67	NA	NA		62	6	137
1997	88	NA	NA		73	4	166
1998	71	NA	NA		64	NA	141
1999	50	NA	NA		82	NA	138
2000	45	NA	NA		94	3	147
2001	103	3	4		94	NA	205
2002	116	NA	9		102	NA	229
2003	110	NA	14		113	NA	240
2004	141	3	25		141	5	315

Table 35. General category scallop landings by primary gear (lb.)

Fishing year	Scallop Dredge	Other dredge	Scallop trawl	Other trawl	Misc. gear	Grand Total
1994	22,303	995	796	7,696	1,259	33,049
1995	44,325	146	-	13,952	452	58,875
1996	152,541	14	52	8,878	4,060	165,544
1997	187,055	286		14,826	2,159	204,326
1998	117,331	656	5,573	16,273	470	140,303
1999	62,666	6,884	11,520	19,987	45	101,102
2000	119,496	14,929	10,460	185,892	337	331,114
2001	857,648	12,500	20,475	203,775	7	1,094,405
2002	748,152	28,647	52,878	47,735	-	877,412
2003	1,006,763	35,761	238,421	174,624	41	1,455,610
2004	1,579,190	34,852	352,308	384,802	7,970	2,359,123

Table 36. Percentage of general category scallop landings by primary gear

Fishing year	Scallop Dredge	Other dredge	Scallop trawl	Other trawl	Misc. gear	Grand Total
1994	67.48%	3.01%	2.41%	23.29%	3.81%	100.00%
1995	75.29%	0.25%	0.00%	23.70%	0.77%	100.00%
1996	92.15%	0.01%	0.03%	5.36%	2.45%	100.00%
1997	91.55%	0.14%	0.00%	7.26%	1.06%	100.00%
1998	83.63%	0.47%	3.97%	11.60%	0.34%	100.00%
1999	61.98%	6.81%	11.39%	19.77%	0.04%	100.00%
2000	36.09%	4.51%	3.16%	56.14%	0.10%	100.00%
2001	78.37%	1.14%	1.87%	18.62%	0.00%	100.00%
2002	85.27%	3.26%	6.03%	5.44%	0.00%	100.00%
2003	69.16%	2.46%	16.38%	12.00%	0.00%	100.00%
2004	66.94%	1.48%	14.93%	16.31%	0.34%	100.00%

Overall, the general category fleet is marked by broad regional differences, with the New England fleet primarily also a groundfish and lobster fleet and the Mid-Atlantic fleet participating in other regional fisheries such as surf clam, ocean quahog, and summer flounder fisheries (Table 37 and Table 38). The different permits that scallop vessels hold is another indication of the range of fishing activities that they either do or may participate in, given changing biological or regulatory conditions (Table 39). In general, this kind of flexible pattern of fishing shown by the general category fleet is often associated with “traditional” or smaller-scale fishing enterprises (compared with limited access vessels, for which scallops accounted for almost 97% of their total landed value in fishing year 2005). However, active general category vessels overall have come to increasingly rely on scallops, especially in the Mid-Atlantic where in fishing year 2005 scallops accounted for 44% of their landed value. In actual trips taken by general category vessels, most scallops trips are a directed fishery on scallops (see Table 40), and almost ¾ of all general category scallops trips in 2005 involved the use of the scallop dredge (see Social Impact Analysis Section 5.5). Of the 501 trips in which pounds of scallops landed accounted for less than 10% of the total pounds landed, virtually all trips used some form of trawl, and primarily targeted groundfish and monkfish, or summer flounder. Of the 1301 unique vessels that have landed scallops under the general category permit since its inception in 1994, only 8 vessels have landed scallops in all of these years, primarily as bycatch. Of the 454 vessels that have only landed general category scallops in one year, nearly half (218) of these have landed scallops only in 2004, 2005, or 2006. Likewise, nearly half (124 out of 303) vessels that only landed general category scallops in two years have done so during the 2005-2006 fishing

years. That over half of these vessels have landed in years other than the recent ones speaks to the how the fishery has enabled flexible participation by different components of the fleet.

Table 37 - Landed value for general category vessels homeported in New England by species

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006*
Scallops	0.3	0.4	1.2	1.0	1.0	0.8	0.7	2.6	1.7	2.3	3.1	7.5	10.3
Am. Plaice Flounder	7.6	7.4	7.3	6.2	6.0	4.4	5.2	5.1	4.3	3.0	2.2	1.6	1.9
Cod	17.7	14.5	14.1	12.5	13.5	11.8	13.8	16.8	15.0	12.7	10.2	7.9	8.0
Haddock	0.5	0.6	0.9	2.5	4.5	4.8	6.4	7.9	9.4	8.1	8.9	7.1	6.2
Herring	0.9	0.7	1.7	4.3	3.5	2.7	2.9	2.8	2.6	6.6	7.3	7.5	8.8
Lobster	3.4	4.1	4.9	4.8	4.2	6.0	5.9	4.9	4.9	5.3	7.0	15.4	11.7
Monkfish	9.2	12.3	12.0	11.5	11.7	18.1	19.8	16.6	14.6	14.5	12.6	13.5	11.7
Ocean Quahog	0.6	1.3	1.7	5.1	4.9	4.7	4.2	5.1	4.6	3.5	3.1	1.8	0.0
Shrimp (Pandalid)	5.3	8.1	6.7	5.6	1.9	2.4	0.9	0.4	1.0	0.4	0.6	0.3	0.2
Silver Hake	4.1	3.5	3.6	3.6	3.2	4.0	3.4	3.2	1.8	2.3	2.1	2.0	2.7
Squid (Loligo)	6.8	6.9	3.9	8.1	7.2	8.4	4.9	4.6	7.1	7.6	7.7	5.7	6.0
Summer Flounder	4.5	4.0	2.6	3.1	2.7	2.7	2.5	2.4	2.6	3.2	3.0	3.3	3.2
Winter Flounder	6.0	6.7	8.4	8.1	7.9	6.3	6.1	6.6	6.7	5.4	5.5	4.0	5.5
Witch Flounder	4.8	4.5	4.3	3.6	3.8	3.5	3.7	4.2	4.6	4.7	4.4	3.5	3.8
Yellowtail Flounder	5.0	3.7	4.6	4.5	6.0	5.3	7.6	6.3	6.5	5.8	5.3	3.6	3.0
Other	23.2	21.4	22.3	15.7	18.0	14.0	11.9	10.7	12.7	14.5	17.1	15.3	17.1

*Only shows species that accounted for at least 5% of landed value for active general category vessels (i.e. those landing at least one lb of scallops). Years are fishing years not calendar years; 2006 is year to date as of data run on Sept 27, 2006. Source: dealer weighout data.

Table 38 - Landed value for general category vessels homeported in Mid-Atlantic by species

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006*
Scallops	0.7	0.1	0.1	0.9	0.2	0.4	1.3	2.4	2.7	3.7	10.5	30.5	44.0
Monkfish	1.0	2.3	2.8	2.5	4.2	10.4	8.2	7.9	6.0	6.6	3.5	5.6	4.5
Ocean Quahog	21.8	17.6	16.7	8.7	6.7	5.8	7.0	9.8	15.0	16.9	14.1	7.7	0.0
Shrimp (Penaeid)	0.0	0.1	0.0	3.1	2.2	5.5	7.4	2.8	3.2	1.3	0.0	0.0	0.0
Silver Hake	4.8	8.6	9.5	9.9	9.8	5.2	4.7	5.2	3.4	3.2	2.5	1.4	1.7
Squid (Loligo)	11.2	12.0	8.7	17.1	14.7	15.4	12.8	9.0	7.3	5.8	5.5	5.2	5.7
Summer Flounder	8.0	7.4	8.5	8.2	8.4	7.9	7.6	6.0	8.6	9.7	10.5	9.2	8.4
Surf Clam	25.0	20.5	19.2	17.6	14.1	14.5	14.5	28.3	29.3	27.1	24.4	17.6	2.0
Other	27.4	31.3	34.5	31.9	39.7	35.0	36.4	28.6	24.5	25.7	29.1	22.8	33.6

*Only shows species that accounted for at least 5% of landed value for active general category vessels (i.e. those landing at least one lb of scallops). Years are fishing years not calendar years; 2006 is year to date as of data run on Sept 27, 2006. Source: dealer weighout data.

Table 39 - 2005 permits held by General Category scallop vessels

Plan	%	Plan	%	Plan	%
Bluefish	78.0	Lobster (LOI)	0.04	Scup	27.6
Black Sea Bass	27.1	Monkfish	76.4	Skates	64.9
Dogfish	76.7	Multispecies	78.5	Surf Clam	53.0
Summer Flounder	29.2	Ocean Quahog	51.8	Squid-Mackerel-Butterfish	73.9
Herring	61.7	Red Crab	41.6	Tilefish	53.7
Lobster (LO)	52.7				

Source: NE Permit Data.

Table 40 - General Category trip characteristics

% of scallop lbs. on a trip		No. of trips	No. of boats	Scallops	Fluke	Squid	Monkfish	Groundfish	Lobster	Ocean		Tot. effort /Ave. crew
										Quahog	All else	
	Tot.	501	140	105,552	682,464	7,458	850,454	5,392,321	119,292	0	1,942,325	2,175
< 10%	Ave.			210.7	1362.2	14.9	1697.5	10763.1	238.1	0.0	3876.9	4.0
10 - 25%	Tot.	110	32	24,481	26,706	144	6,726	14,368	174	17,184	41,760	468
	Ave.			222.6	242.8	1.3	61.2	130.6	1.6	156.2	379.6	3.0
25 -50 %	Tot.	130	43	50,057	34,923	1,300	5,315	15,595	203	1,920	13,943	445
	Ave.			385.1	268.6	10.0	40.9	120.0	1.6	14.8	107.3	3.0
50% or more	Tot.	18732	467	7,325,911	26,850	1,502	98,315	2,308	2,032	0	11,963	5,781
	Ave.			391.1	1.4	0.1	5.3	0.1	0.1	0.0	0.6	3.0

Source: logbooks, year 2005. Note: only includes trips that landed at least 40 lbs of scallops. Percentage of scallops is in terms of pounds landed; effort refers to crew size multiplied by days absent; average by trip.

While the scallop landings by general category boats have increased since 2001, they have increased for the entire fleet as well. The actual share of the total scallop landings by general category boats until 2004 has not, according to weighout records, exceeded 3.3%, although since then that share has risen as high as 14% (Table 41). The change in the last several years has occurred in the increasing percentage of the general category landings landed by vessels homeported in the Mid-Atlantic region (Table 42), and the shift of fishing effort by general category vessels to Mid-Atlantic fishing grounds (Figure 18 through Figure 30).

Table 41 - Scallop landings from general category vessels, limited access vessels under DAS, and limited access vessels under general category from 1994 to present

Fish Year	Total scallop landings (LA and GC)	Total scallop landings by General Category vessels only		Total scallop landing by Limited Access vessels under DAS		Total scallop landings by limited access vessels outside DAS (on 400 lb trips)	
		LBS	%	LBS	%	LBS	%
1994	14,907,265	95,268	0.64%	14,713,046	98.70%	98,951	0.66%
1995	15,807,941	123,967	0.78%	15,603,104	98.70%	80,870	0.51%
1996	16,447,682	204,635	1.24%	16,175,248	98.34%	67,799	0.41%
1997	12,619,221	310,049	2.46%	12,122,375	96.06%	186,797	1.48%
1998	11,186,468	164,435	1.47%	10,528,707	94.12%	493,326	4.41%
1999	21,286,244	150,482	0.71%	20,713,733	97.31%	422,029	1.98%
2000	32,929,475	357,691	1.09%	32,259,404	97.97%	312,380	0.95%
2001	45,164,706	1,216,947	2.69%	43,659,686	96.67%	288,073	0.64%
2002	49,808,416	983,775	1.98%	48,641,573	97.66%	183,068	0.37%
2003	54,778,793	1,809,071	3.30%	52,781,614	96.35%	188,108	0.34%
2004	61,714,971	3,245,661	5.26%	58,106,020	94.15%	363,290	0.59%
2005	53,214,097	7,495,884	14.09%	44,917,224	84.41%	800,989	1.51%
2006	56,149,105	6,838,083	12.18%	48,886,653	87.07%	424,369	0.76%

Data still preliminary for 2006

Table 42 – Summary of general category landings by region from 1994 to date

Fish Year	No. of General Category vessels landing scallops	% of scallop pounds landed by General Category vessels	% of General Category landings by Mid-Atlantic vessels	% of General Category landings by New England vessels
1994	181	0.6	12.9	87.1
1995	180	0.8	11.1	88.9
1996	216	1.2	3.8	96.2
1997	235	2.5	27.3	72.7
1998	204	1.5	8.7	91.3
1999	189	0.7	33.0	67.0
2000	202	1.1	61.7	38.3
2001	275	2.7	31.7	68.0
2002	294	2.0	45.9	53.9
2003	332	3.3	44.7	48.4
2004	427	5.3	67.1	28.8
2005	604	14.1	69.5	24.0
2006	627	12.2	65.8	29.0

Data still preliminary for 2006

Figure 18- Location of general category trips for calendar year 1994 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (73 records). Typo in legend: FW18 lawsuit settlement should read FW16.

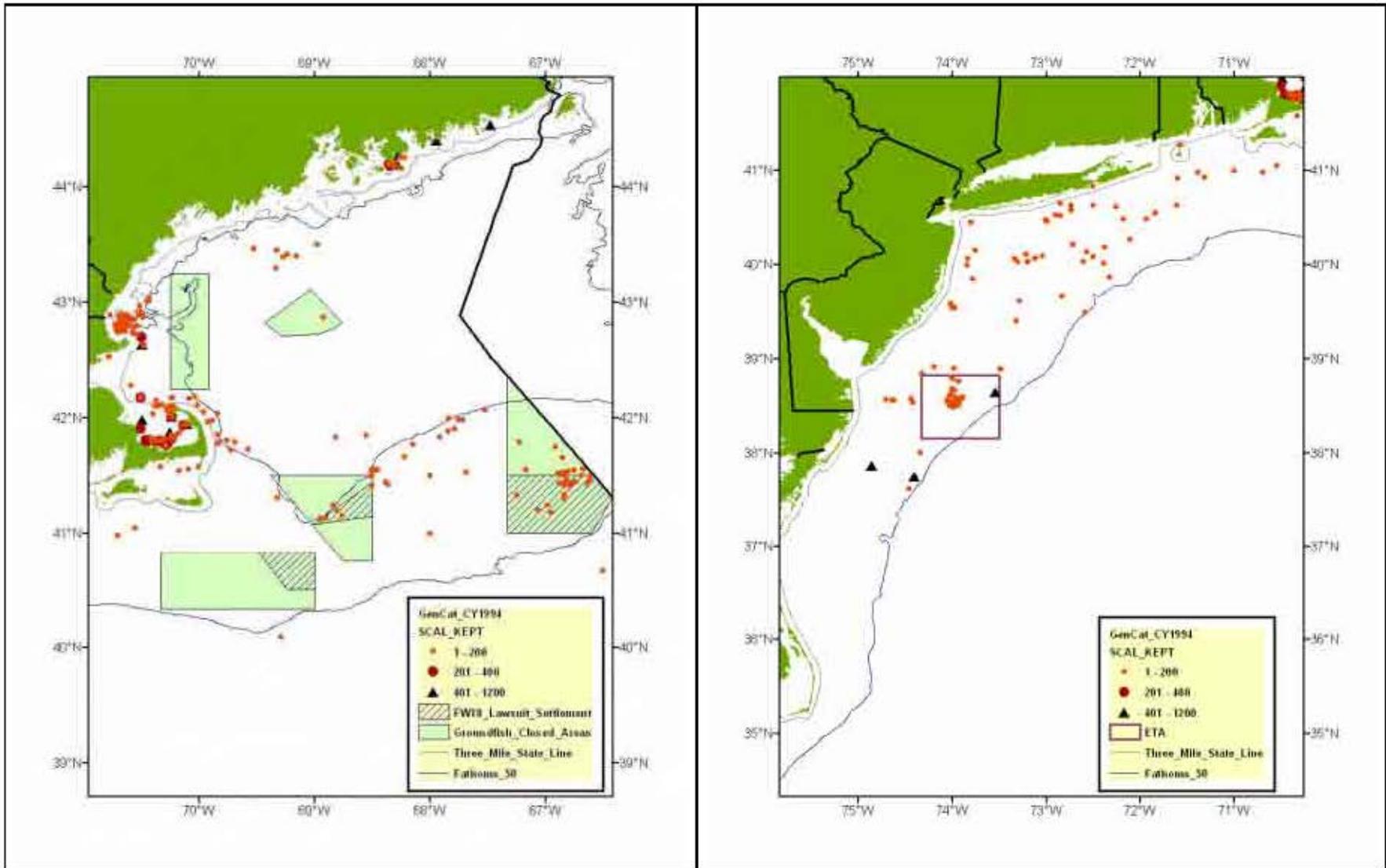


Figure 19- Location of general category trips for calendar year 1995 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (65 records). Typo in legend: FW18 lawsuit settlement should read FW16.

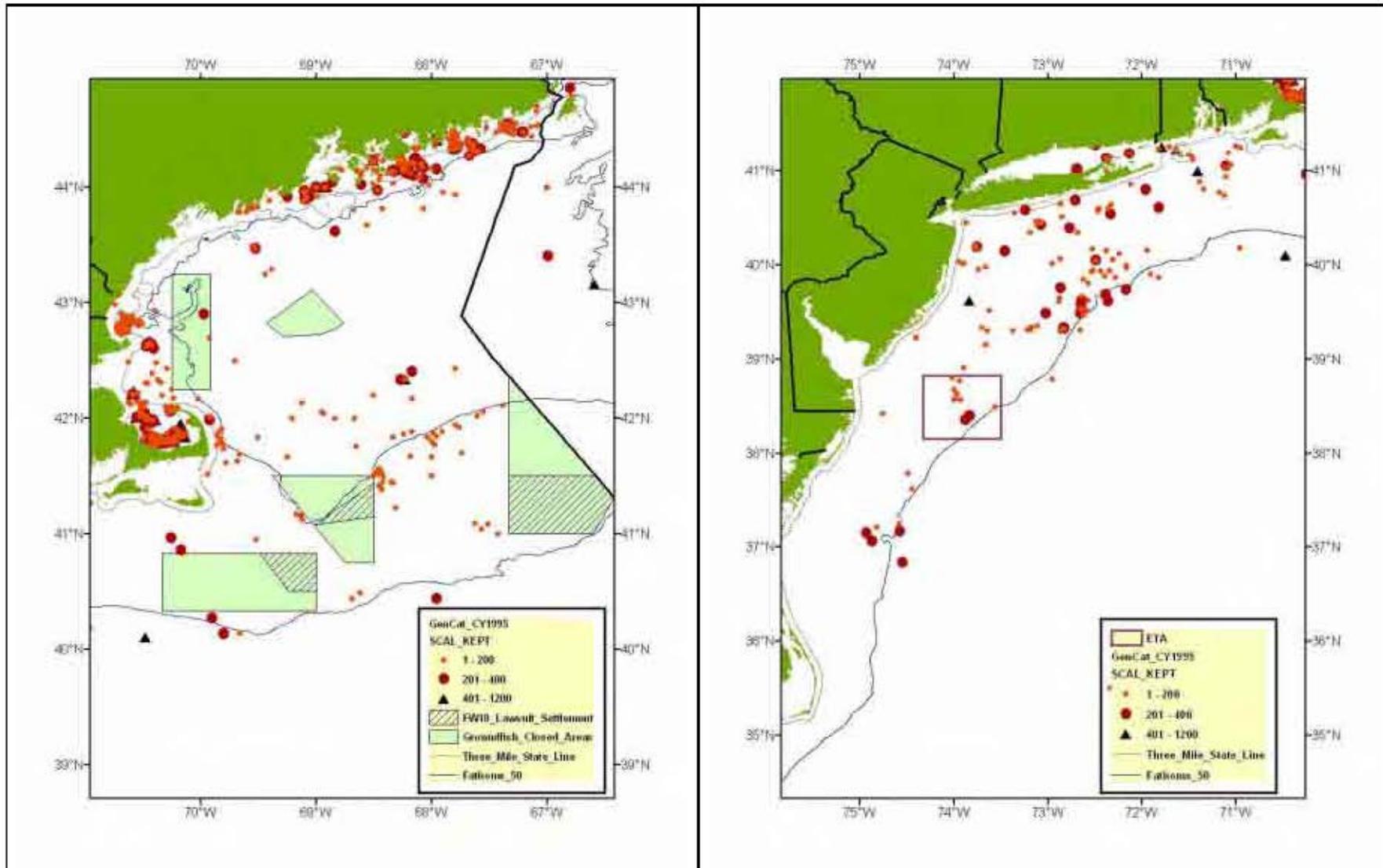


Figure 20- Location of general category trips for calendar year 1996 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (77 records). Typo in legend: FW18 lawsuit settlement should read FW16.

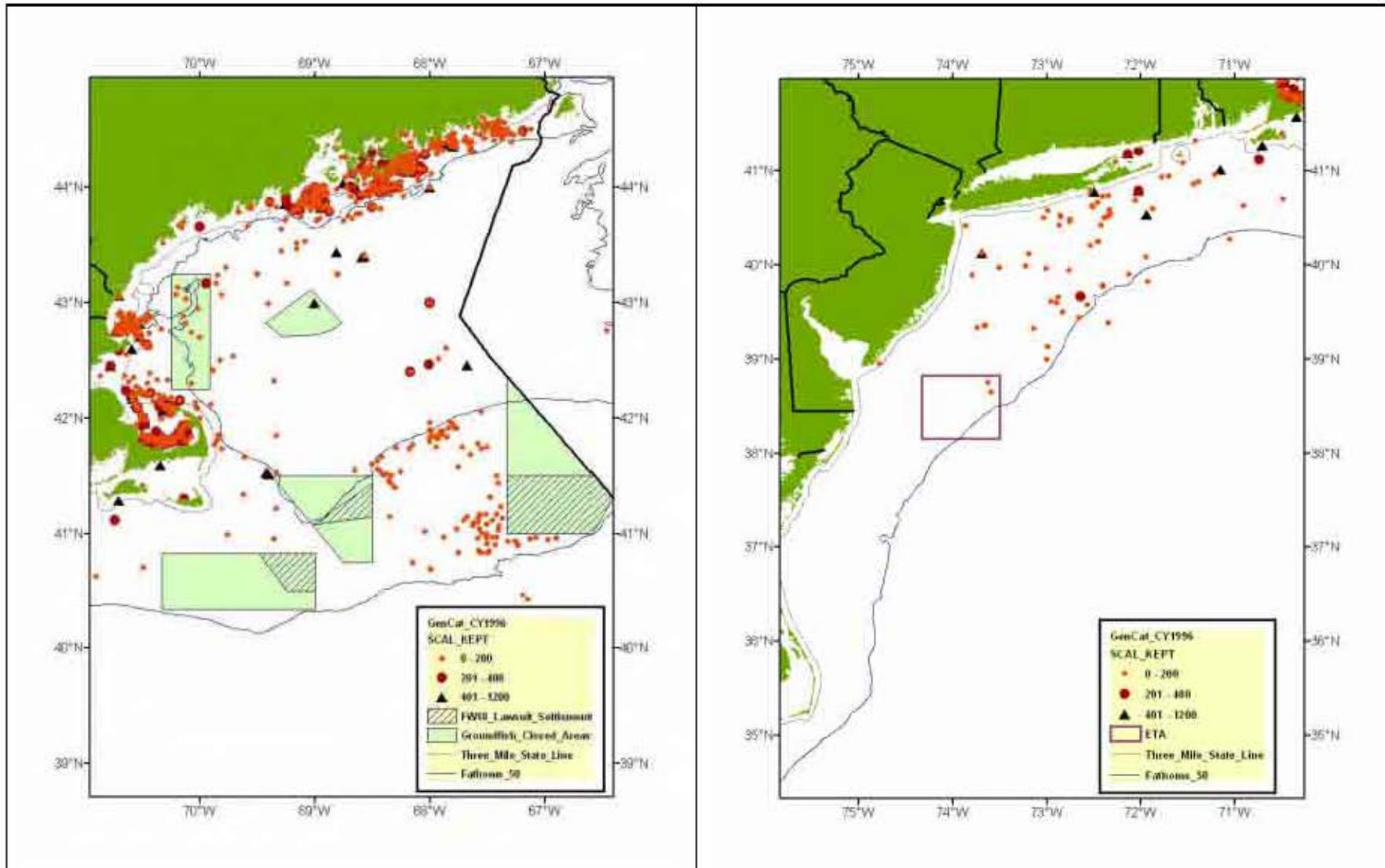


Figure 21- Location of general category trips for calendar year 1997 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (75 records). Typo in legend: FW18 lawsuit settlement should read FW16.

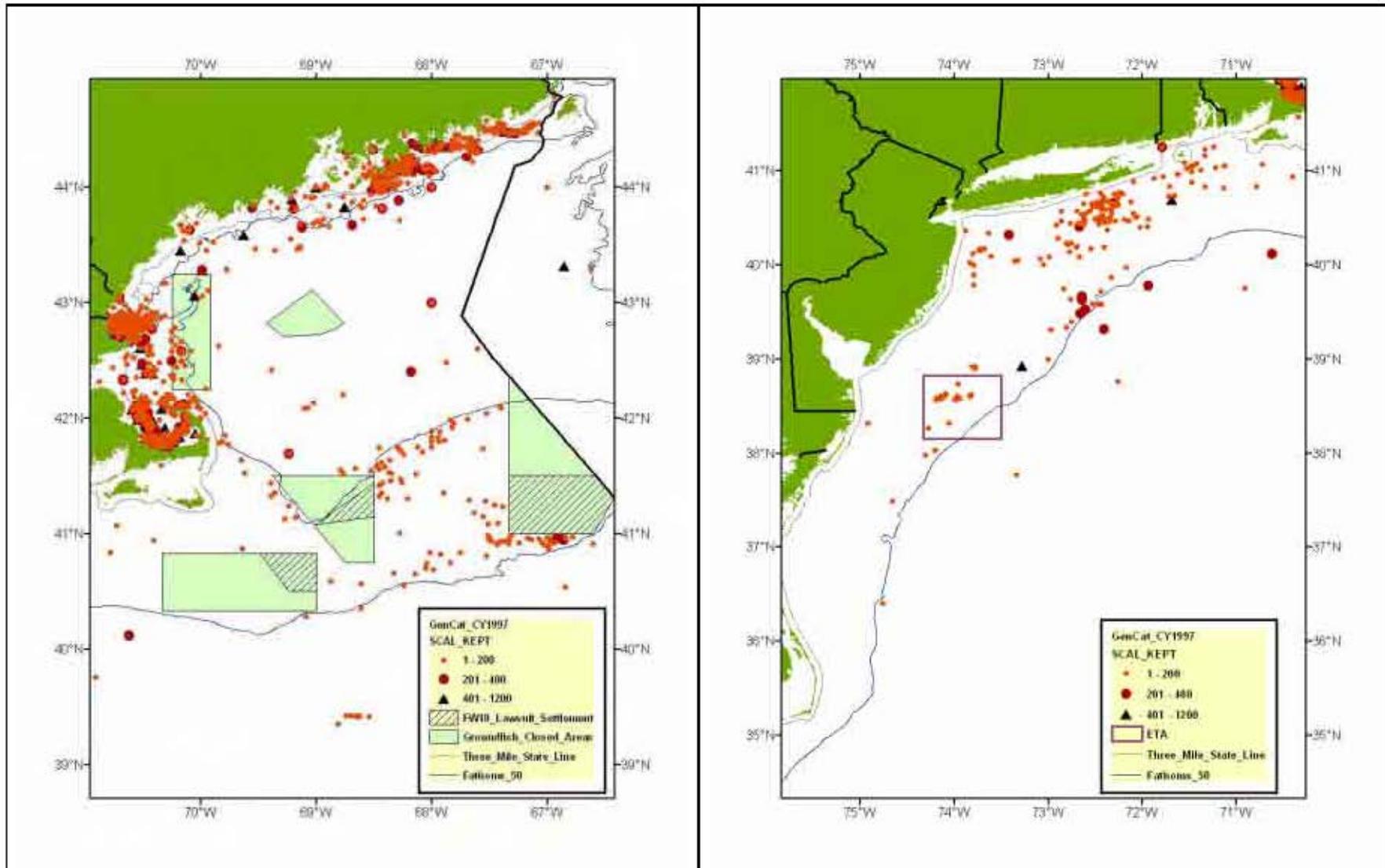


Figure 22- Location of general category trips for calendar year 1998 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (26 records). Typo in legend: FW18 lawsuit settlement should read FW16.

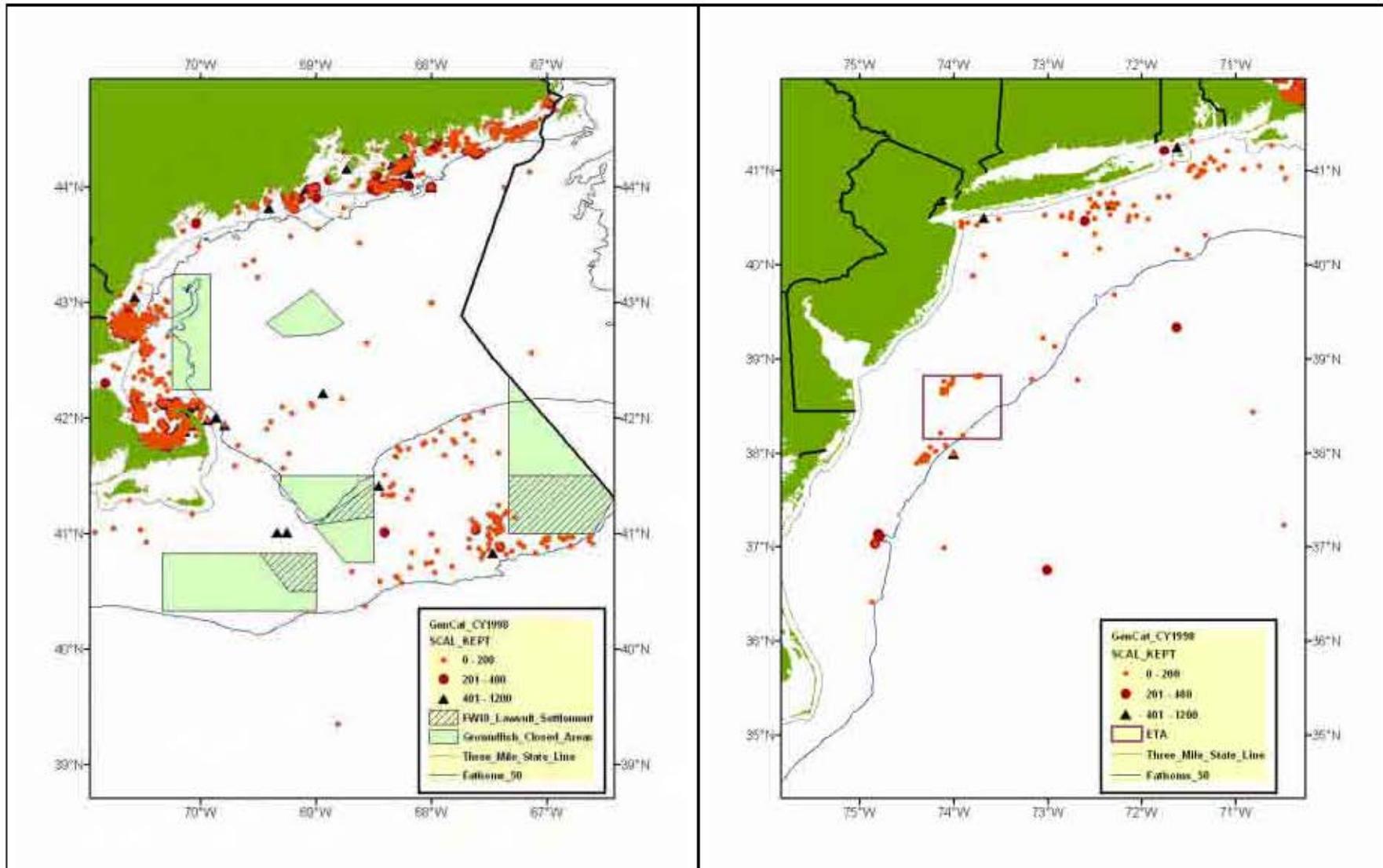


Figure 23- Location of general category trips for calendar year 1999 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (28 records). Typo in legend: FW18 lawsuit settlement should read FW16.

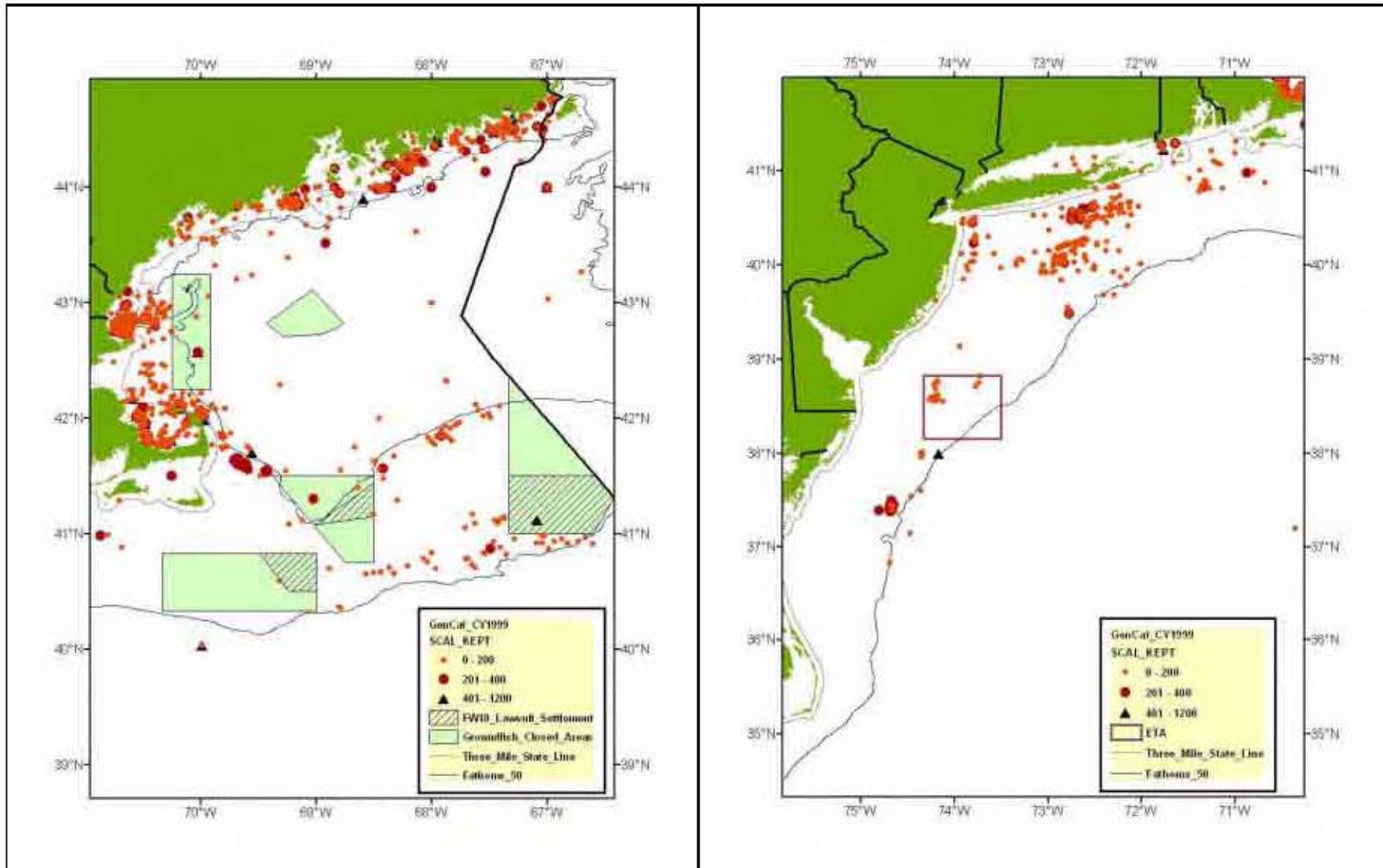


Figure 24- Location of general category trips for calendar year 2000 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (84 records). Typo in legend: FW18 lawsuit settlement should read FW16.

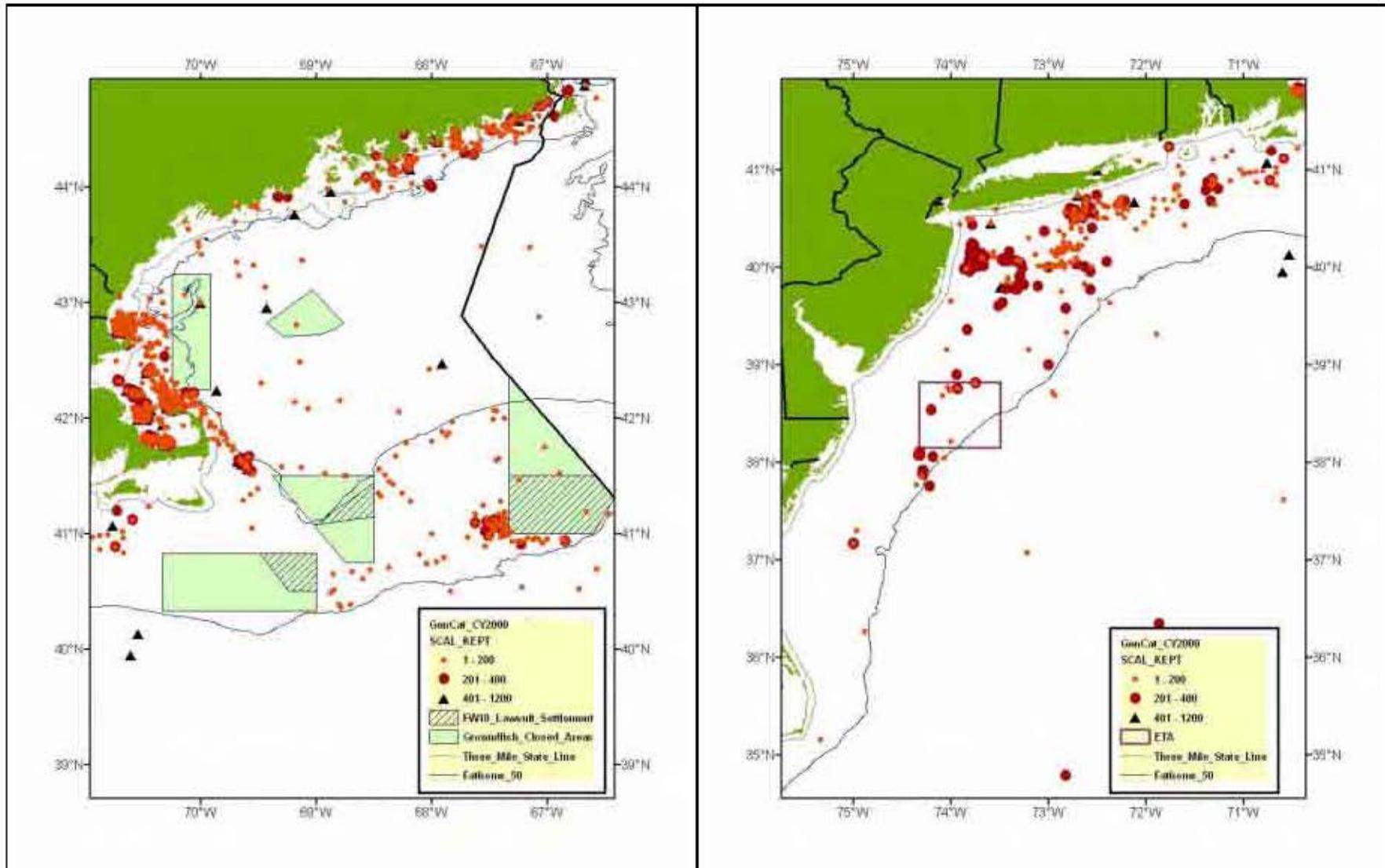


Figure 25- Location of general category trips for calendar year 2001 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (77 records). Typo in legend: FW18 lawsuit settlement should read FW16.

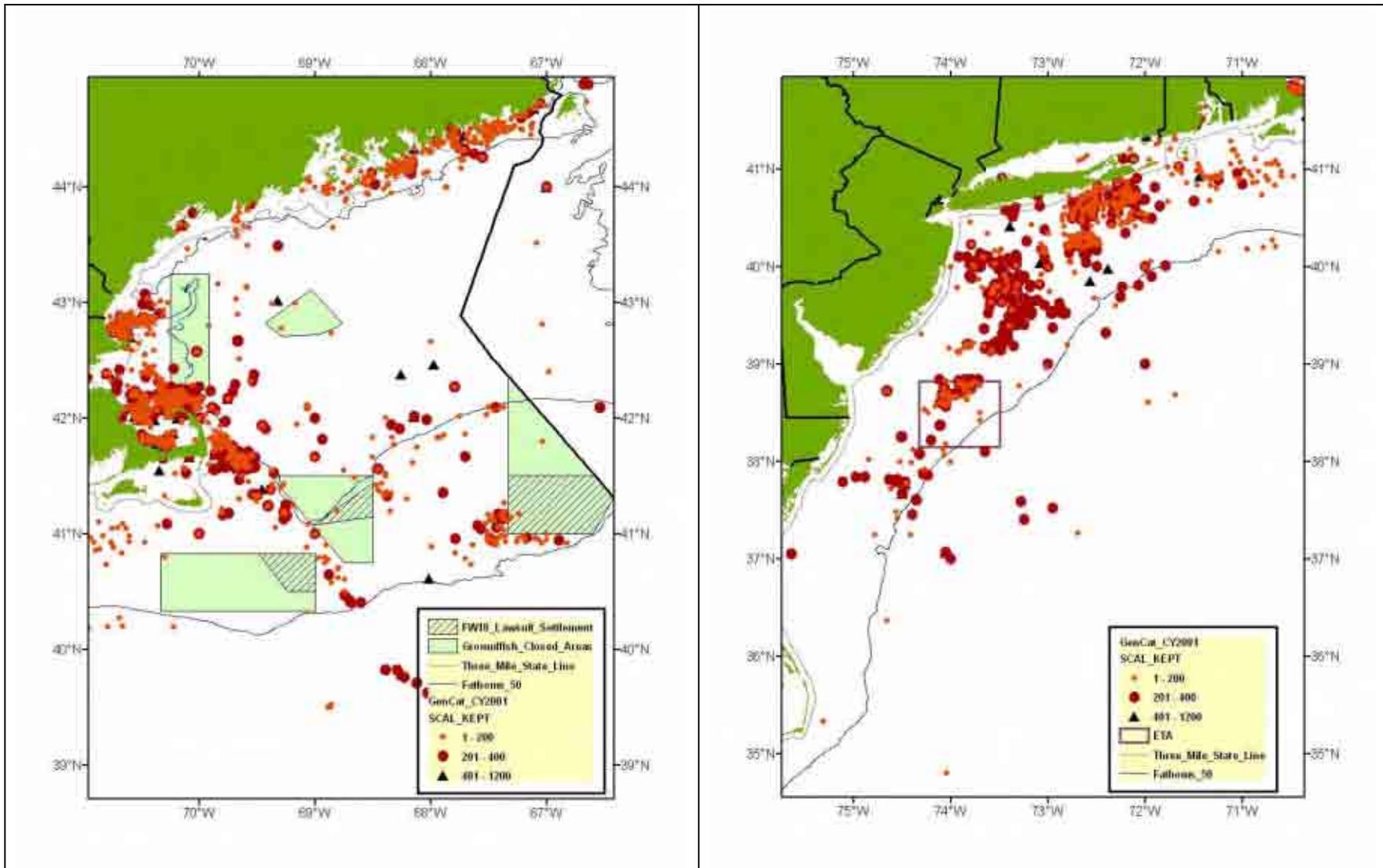


Figure 26- Location of general category trips for calendar year 2002 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (107 records). Typo in legend: FW18 lawsuit settlement should read FW16.

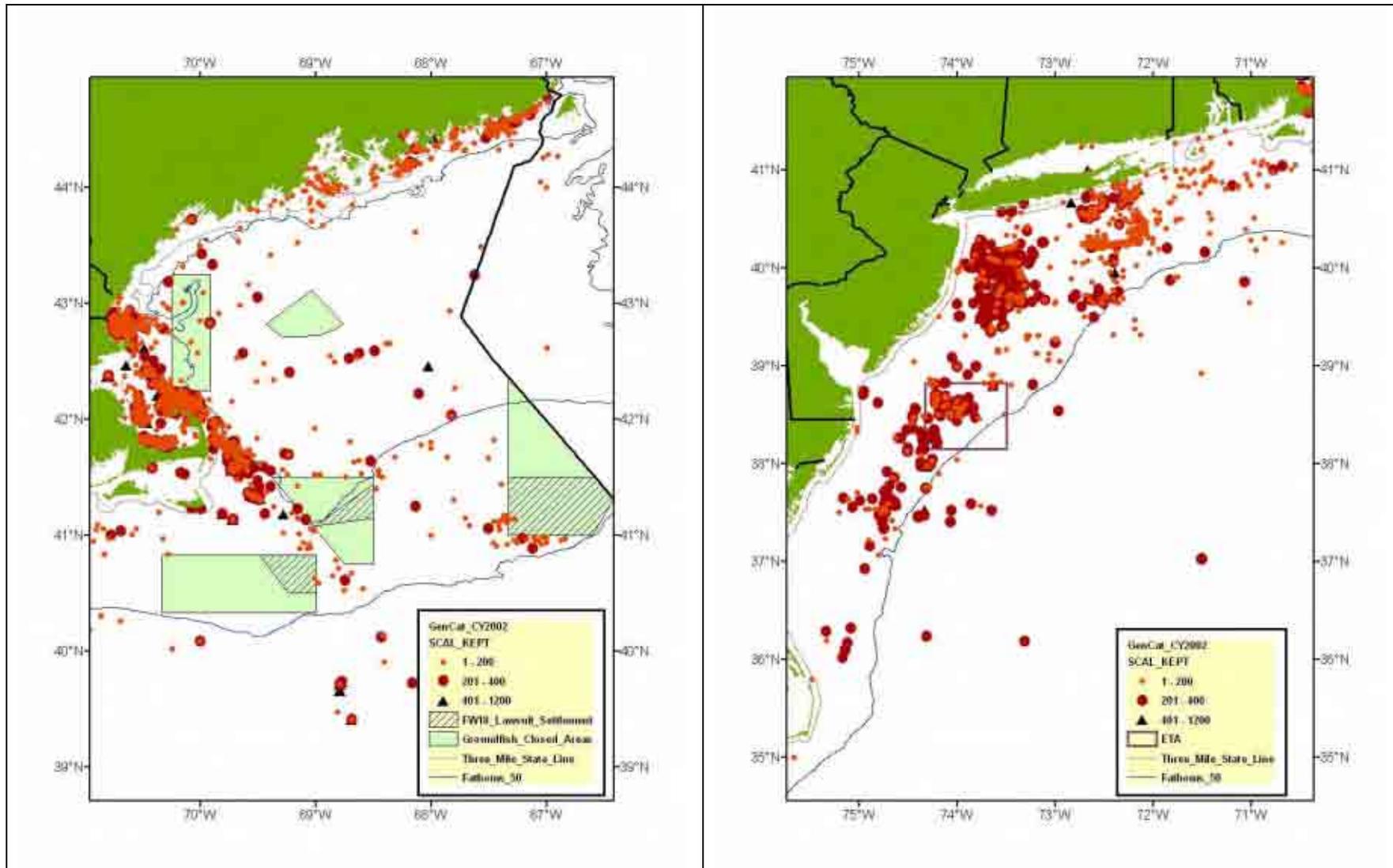


Figure 27- Location of general category trips for calendar year 2003 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (111 records). Typo in legend: FW18 lawsuit settlement should read FW16.

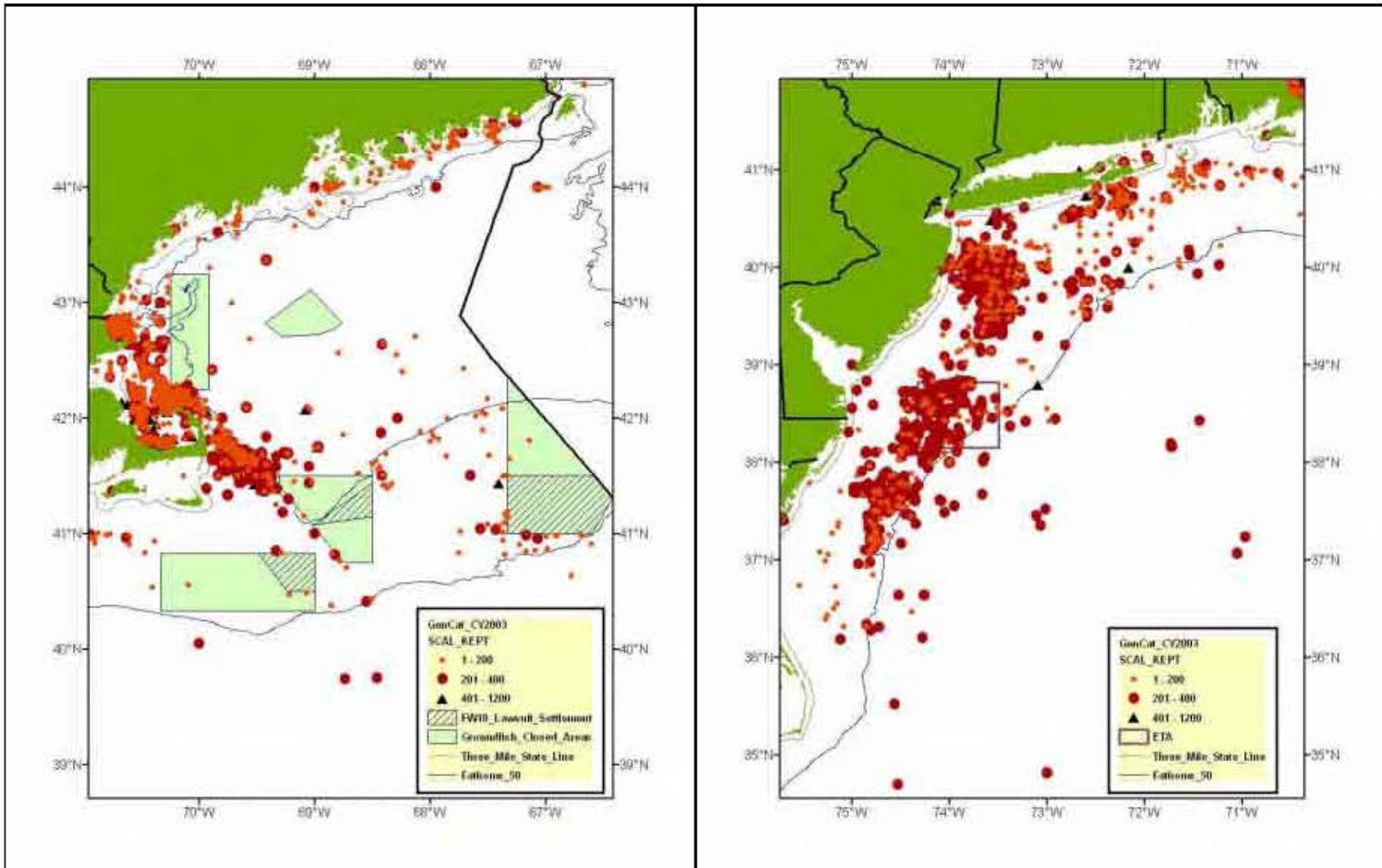


Figure 28- Location of general category trips for calendar year 2004 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (122 records). Typo in legend: FW18 lawsuit settlement should read FW16.

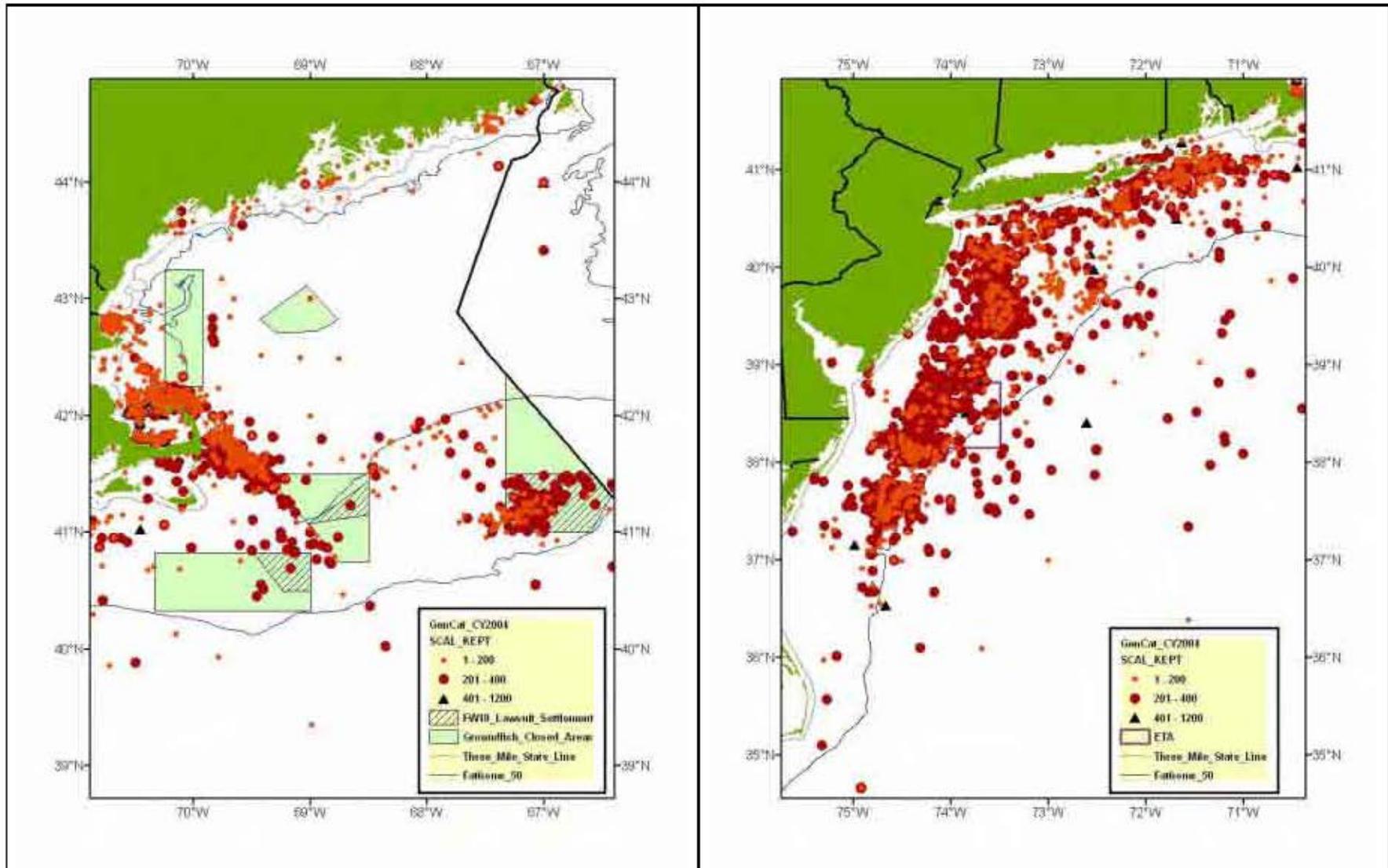


Figure 29- Location of general category trips for calendar year 2005 based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (201 records). Typo in legend: FW18 lawsuit settlement should read FW16.

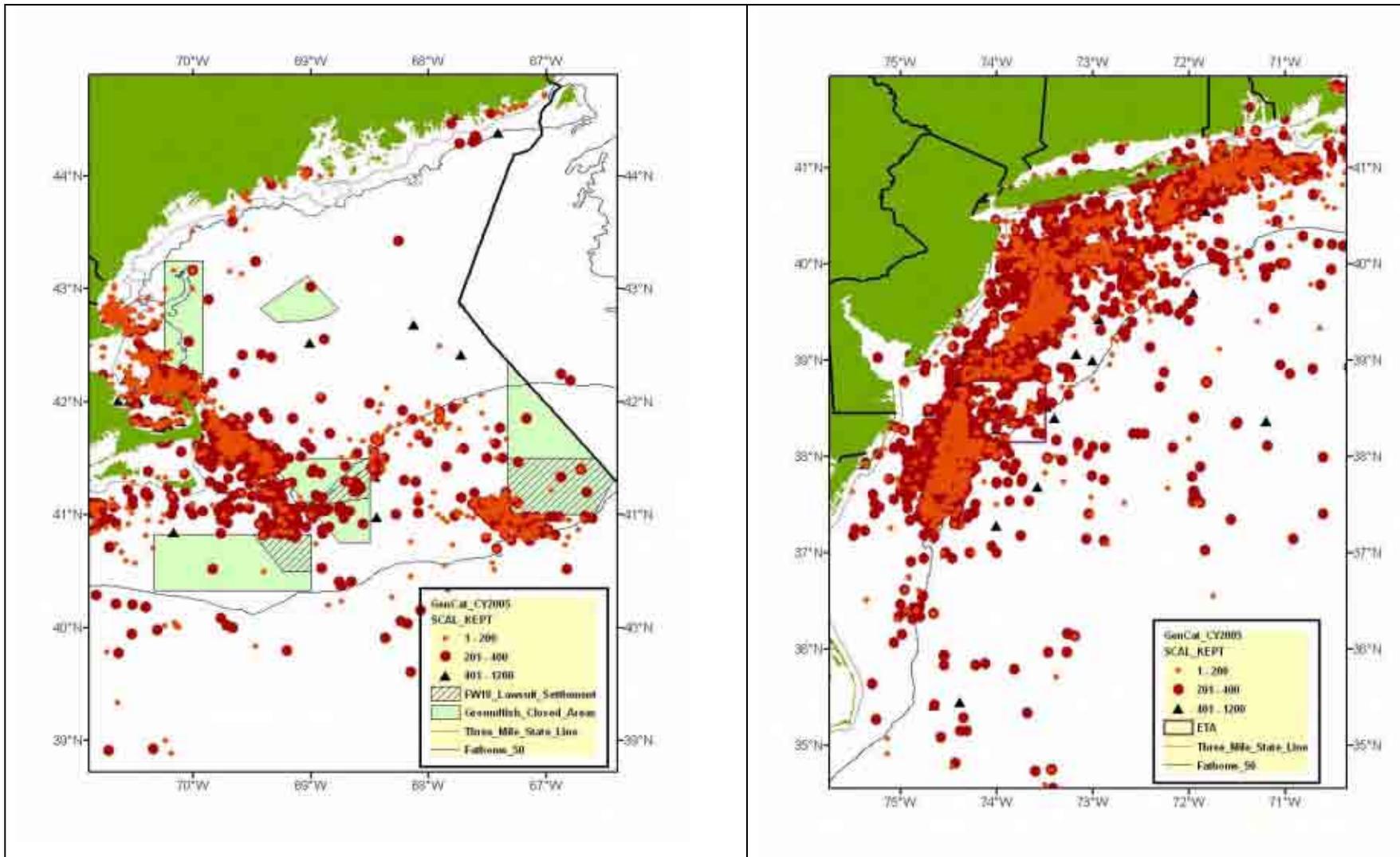
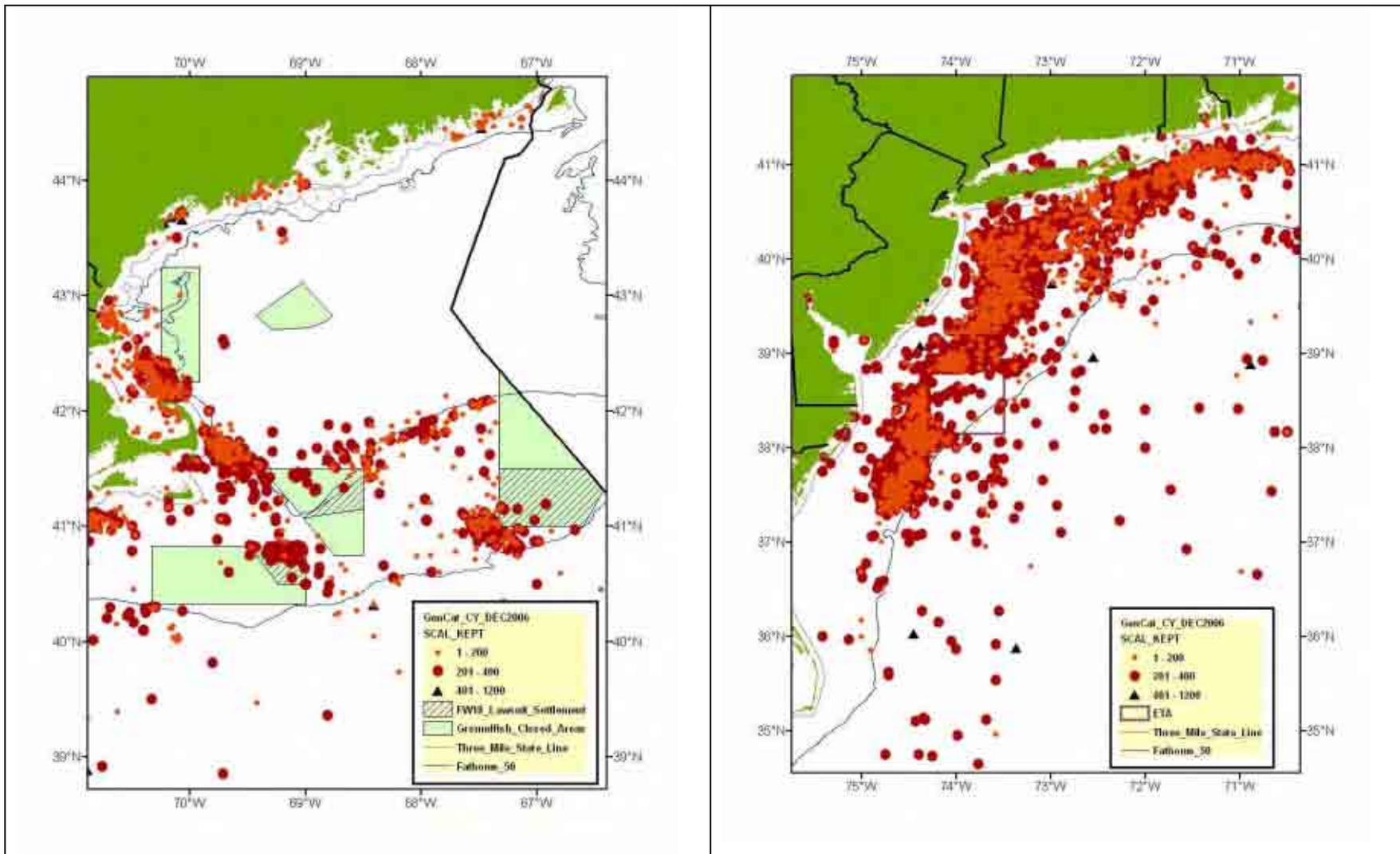


Figure 30- Location of general category trips for calendar year 2006 (not complete-data pulled mid-December 2006) based on valid location data from vessel trip reports (VTR)

Note: All trips above 1,200 pounds of scallop meat were eliminated from the figure (119 records). Typo in legend: FW18 lawsuit settlement should read FW16.



4.4.4.1 The scallop ports for general category vessels

While the fleet is spread throughout the eastern seaboard, the majority of general category permits are found in Massachusetts, Maine, New Jersey, Rhode Island, and New York (Table 43 and Table 44). Some states, in particular North Carolina, have a high percentage of vessels with VMS, or 1B permits (Table 44). Most general category vessels found in the Northeast are relatively small throughout, though somewhat larger in states with larger numbers of VMS permits (Table 43 and Table 44). For the general category fleet, the ports Gloucester, New Bedford, Point Judith, Chatham, Cape May, Portland, Barnegat Light, and Montauk have the highest number of permitted vessels in 2005 (Table 45). Many of these ports are traditionally groundfish ports. New Bedford, a port now dominated by limited access scallop fishing, had the highest number of VMS permits in 2005 (Table 46). A number of ports have seen large increases in the number of general category permits, with at least a 40% change from the number of permitted vessels in 2005 compared with the average since the permits have begun, i.e. 1994. These ports are Cape May, NJ (170% increase), Barnegat Light, NJ (180%), Portsmouth, NH (140%), Stonington, ME (140%), Atlantic City, NJ (210%), Wanchese, NC (190%), Harpswell, ME (160%), Rye, NH (140%), Ocean City, MD (230%).

Table 43 - General category permits by homeport state, with average length, 1995-2004

ST	1995		1996		1997		1998		1999		2000		2001		2002		2003		2004	
	Ave. ft	#	Ave. ft	#	Ave. ft	#	Ave. ft	#	Ave. ft	#	Ave. ft	#	Ave. ft	#	Ave. ft	#	Ave. ft	#	Ave. ft	#
AK	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	112	1	112	1
AL	.	0	.	0	90	2	90	2	90	1	90	1	.	0	.	0	.	0	.	0
CT	83	18	91	15	53	20	52	22	49	24	48	30	50	29	50	36	46	44	46	39
DE	52	10	52	9	54	10	57	8	52	11	51	11	51	11	52	11	57	16	56	17
FL	60	10	52	7	60	6	60	6	50	4	50	4	50	4	41	3	46	6	58	10
GA	.	0	.	0	.	0	.	0	.	0	58	1	76	4	76	4	78	3	76	7
LA	.	0	74	2	72	1	72	1	.	0	.	0	.	0	.	0	.	0	.	0
MA	46	825	46	854	46	817	46	843	44	812	44	834	43	872	43	922	42	997	42	991
MD	55	5	61	4	51	6	51	7	49	10	49	8	50	11	48	12	47	14	47	19
ME	42	508	41	558	41	556	42	491	42	459	42	503	41	551	41	556	41	548	41	561
MS	.	0	80	1	85	1	.	0	.	0	.	0	.	0	.	0	.	0	.	0
NC	72	39	72	30	71	34	70	37	68	41	66	43	62	56	62	68	60	77	60	94
NH	38	75	38	74	40	78	40	87	40	87	40	89	44	99	43	110	41	117	42	111
NJ	57	144	56	152	55	140	55	144	55	143	53	188	52	213	53	246	54	265	52	289
NY	51	158	52	156	52	146	51	152	51	145	50	162	49	173	49	156	49	164	47	179
PA	89	1	89	1	89	1	60	2	.	0	.	0	.	0	31	1	.	0	.	0
RI	55	152	55	170	57	155	56	157	56	160	55	165	54	175	53	180	54	179	53	184
SC	.	0	.	0	.	0	.	0	47	1	47	1	47	1	44	2	41	1	.	0
TX	77	2	77	2	70	1	70	1	70	1	70	1	.	0	.	0	.	0	55	1
VA	65	45	62	37	64	28	62	41	60	40	51	55	49	62	49	69	47	76	46	70
VT	.	0	23	2	23	1	23	1	.	0	.	0	.	0	.	0	17	1	.	0
WA	.	0	.	0	.	0	.	0	.	0	.	0	135	2	135	2	77	3	67	1

Source: NE Permit Data.

Table 44 - VMS general category permits by homeport state, with average length, 2005-2006

1A:		2005		2006		1B:		2005		2006	
ST	Ave. ft	#	Ave. ft	#	ST	Ave. ft	#	Ave. ft	#		
AK	112	1	.	0	AL	79	2	79	2		
AL	74	9	85	1	CT	53	20	54	23		
CT	43	31	41	22	DE	57	15	60	13		
DE	44	17	45	14	FL	76	14	75	10		
FL	57	15	39	4	GA	70	9	70	11		
GA	69	7	70	4	LA	77	1	77	1		
HI	77	1	.	0	MA	56	270	56	282		
MA	37	675	36	543	MD	49	25	49	32		
MD	46	31	44	23	ME	48	113	48	141		
ME	37	490	36	363	MS	79	1	79	1		
NC	49	69	45	33	NC	65	92	65	103		
NH	40	100	41	86	NH	44	22	45	23		
NJ	47	214	48	172	NJ	60	135	61	161		
NY	44	162	43	125	NY	55	52	56	56		
RI	47	132	46	112	RI	67	56	67	60		
TX	77	13	49	2	SC	58	1	58	1		
VA	40	45	41	29	TX	77	13	67	1		
					VA	58	32	59	35		
					WA	138	1	138	1		

Source: NE Permit Data.

Table 45 - General category vessels by homeport and county (2001–2006)

County, State	2005	2006	Home Port	2001	2002	2003	2004	2005	2006
Essex,MA	287	253	Beverly	12	8	10	10	9	7
			Danvers	1	1	1	1	1	1
			Essex	1	1	1	1	1	0
			Georgetown	1	1	1	1	1	0
			Gloucester	172	195	190	193	184	168
			Ipswich	1	2	2	1	1	1
			Lynn	3	4	4	4	4	2
			Manchester	5	6	5	9	6	5
			Marblehead	10	11	13	12	13	12
			Methuen	1	1	1	1	1	1
			Nahant	1	1	1	1	1	2
			Newburyport	20	25	26	24	22	18
			Rockport	23	30	28	25	22	19
			Rowley	0	0	1	1	1	1
			Salem	3	3	6	4	4	3
			Salisbury	10	14	14	12	11	9
			Swampscott	3	4	5	2	4	4
West Newbury	2	5	5	3	1	0			
Barnstable,MA	261	226	Barnstable	30	30	24	23	20	15
			Bourne	0	0	1	1	2	2
			Brewster	0	2	1	1	1	0
			Buzzards Bay	1	1	0	0	1	0
			Chatham	77	89	93	86	78	76
			Dennis	9	9	8	7	7	6
			East Dennis	2	4	4	3	4	3
			Eastham	3	4	3	3	3	2
			Falmouth	6	6	6	7	7	4
			Harwich	26	27	23	25	28	26
			Marstons Mills	0	0	0	0	1	1
			Orleans	23	21	20	19	20	13
			Provincetown	30	29	31	36	31	23
			Sandwich	19	22	22	25	20	18
			South Yarmouth	3	2	2	2	2	2
			Truro	4	5	6	8	6	7
			Wellfleet	10	11	9	13	13	11
Woods Hole	8	8	9	9	5	7			
Yarmouth	10	12	11	12	12	10			
Bristol,MA	185	162	Dartmouth	1	1	2	2	5	3
			Fairhaven	23	26	30	27	26	23
			Fall River	3	3	3	4	4	1

			New Bedford	123	123	124	128	130	118
			Taunton	1	1	0	1	1	1
Suffolk,NY	147	122	Westport	21	20	19	20	19	16
			Amity Harbor	1	1	1	1	1	1
			Aquebogue	1	1	0	1	1	1
			Babylon	2	2	4	3	2	0
			Bay Shore	0	0	0	1	3	1
			Captree Island	0	0	1	2	1	0
			Center Moriches	0	0	1	2	2	2
			East Hampton	0	1	1	1	1	0
			East Islip	0	0	0	2	1	1
			East Moriches	1	1	1	1	1	1
			East Quogue	2	2	2	1	2	2
			Greenport	8	7	8	8	8	4
			Hampton Bays	15	12	11	8	9	10
			Huntington	0	2	1	1	1	1
			Islip	3	3	4	7	6	5
			Lindenhurst	0	0	0	0	0	1
			Long Island	0	0	0	1	1	0
			Mattituck	2	5	4	6	5	3
			Montauk	42	44	50	59	59	53
			Moriches	1	1	1	1	1	1
			Mount Sinai	0	0	0	0	1	0
			Northport	6	7	5	7	7	6
			Sayville	0	1	1	1	1	0
			Shelter Island	0	1	1	1	1	1
			Shinnecock	30	28	29	34	28	26
			Southampton	1	1	1	1	2	1
			West Sayville	2	2	2	2	2	1
Cumberland,ME	143	124	Bailey Island	3	4	3	3	2	3
			Brunswick	0	1	1	1	1	2
			Cape Elizabeth	2	3	2	2	1	1
			Chebeague Island	1	1	1	1	2	2
			Cundys Harbor	14	15	14	12	13	14
			Falmouth	2	2	3	2	3	2
			Freeport	8	7	5	2	3	2
			Harpswell	18	16	21	28	28	24
			Long Island	3	3	3	6	4	3
			North Yarmouth	0	0	0	1	1	1
			Orrs Island	5	8	6	9	8	6
			Portland	67	65	75	74	66	57
			Scarborough	2	3	4	6	3	1
			South Portland	5	4	3	3	4	2
			Westbrook	1	1	1	1	1	1
			Windham	0	0	0	0	0	1
			Yarmouth	2	2	2	2	3	2
Plymouth,MA	141	122	Duxbury	2	1	1	1	1	1
			Green Harbor	19	16	17	18	18	17
			Hull	13	14	10	10	9	8
			Kingston	3	3	2	2	2	0
			Marion	4	4	5	6	5	4
			Marshfield	19	17	20	20	20	18
			Mattapoissett	5	5	6	5	6	3
			Ocean Bluff-Brant Rock	12	12	14	15	13	10
			Pembroke	0	1	1	1	1	1
			Plymouth	33	32	36	42	31	25
			Rockland	1	1	1	1	1	1
			Scituate	37	41	41	42	33	33
			Wareham	0	0	0	0	1	1
Washington,ME	130	115	Addison	6	10	8	9	10	7
			Beals	16	14	13	11	13	12
			Bucks Harbor	12	14	15	16	14	10
			Cutler	8	7	5	6	6	6
			Dyer Bay	0	0	2	2	1	2
			Eastern Harbor	1	3	4	4	3	3
			Eastport	6	5	5	6	4	4
			Harrington	4	4	3	2	4	2
			Jonesboro	2	2	1	1	1	1
			Jonesport	30	29	31	31	32	32
			Lubec	7	8	12	11	15	12

			Machias	0	0	0	2	2	1
			Machiasport	0	2	2	3	6	4
			Milbridge	7	5	6	7	6	6
			Roque Bluffs	2	3	3	3	3	3
			Steuben	11	9	10	8	7	7
			Trescott	1	1	1	1	1	1
			West Jonesport	2	2	3	2	2	2
Washington,RI	128	121	Block Island	3	5	6	5	5	4
			Charlestown	4	5	6	4	3	3
			Davisville	1	1	1	1	1	1
			Galilee	8	7	3	4	4	3
			Narragansett	15	15	15	14	13	9
			North Kingstown	0	0	0	0	1	0
			Point Judith	79	80	84	87	90	90
			Saunderstown	1	1	1	1	1	1
			Snug Harbor	0	0	0	1	1	1
			South Kingstown	0	0	1	1	1	1
			Wakefield	11	10	9	8	7	7
Ocean,NJ	124	121	Wickford	1	1	1	2	1	1
			Barneгат	1	1	0	0	1	1
			Barneгат Light	48	51	59	63	63	61
			Beach Haven	1	2	1	1	1	1
			Bricktown	4	8	8	6	5	3
			Lavallette	1	1	1	1	1	1
			Manahawkin	0	2	1	1	1	0
			Point Pleasant	33	34	31	35	37	37
			Point Pleasant Beach	3	4	4	5	5	7
			Toms River	1	1	1	1	0	1
			Tuckerton	3	3	3	3	2	1
			Waretown	4	6	8	7	8	7
			West Creek	0	0	0	0	0	1
Rockingham,NH	117	108	East Kingston	0	0	0	1	1	1
			Exeter	0	0	1	2	1	1
			Greenland	1	1	1	1	1	0
			Hampton	20	21	19	23	22	17
			Hampton Beach	2	1	1	1	1	1
			Hampton Falls	4	3	3	2	2	2
			New Castle	1	1	1	1	3	2
			Newington	7	7	7	2	1	0
			Portsmouth	38	40	38	52	47	43
			Rye	12	14	15	20	20	20
			Seabrook	24	26	20	20	17	20
Cape May,NJ	101	97	South Hampton	0	1	1	1	1	1
			Cape May	43	42	48	63	73	73
			Cape May Court House	0	1	1	1	1	1
			Ocean City	1	2	2	2	3	2
			Sea Isle City	8	9	10	12	12	9
			Seaville	0	0	2	2	1	1
			Wildwood	12	11	10	10	8	8
			Wildwood Crest	2	3	4	3	3	3
Hancock,ME	98	67	Bar Harbor	7	4	3	4	4	3
			Bass Harbor	0	0	3	2	1	1
			Birch Harbor	1	1	2	2	2	2
			Blue Hill	1	1	1	2	1	1
			Brooklin	3	2	2	3	1	1
			Brooksville	5	4	4	4	4	4
			Cape Rosier	2	2	2	2	1	0
			Castine	0	0	0	0	0	1
			Corea	0	1	2	3	3	1
			Deer Isle	2	4	2	8	7	4
			Frenchboro	2	1	1	3	2	1
			Gouldsboro	1	1	1	1	1	1
			Hancock	2	2	4	3	2	0
			Little Deer Isle	0	0	0	0	1	0
			Northeast Harbor	1	3	2	4	3	3
			Prospect Harbor	2	2	2	4	3	2
			Salsbury Cove	1	1	1	1	1	1
			Seal Harbor	0	0	0	1	1	0
			Southwest Harbor	7	8	9	7	7	4
			Stonington	19	21	20	26	30	22

			Sullivan	0	0	0	0	1	0
			Swans Island	9	6	6	3	3	2
			Trenton	1	1	0	1	2	0
			Winter Harbor	11	14	13	19	17	13
Knox,ME	94	76	Criehaven	0	0	1	1	1	1
			Cushing	0	3	2	4	6	5
			Friendship	7	9	9	11	13	11
			Isle Au Haut	1	0	1	1	1	0
			Matinicus Isle	1	1	1	1	1	1
			Owls Head	9	9	13	11	8	8
			Pleasant Point	0	0	0	0	0	1
			Port Clyde	17	15	16	18	16	14
			Rockland	11	11	10	11	12	9
			Rockport	0	0	0	0	1	1
			Saint George	0	0	0	3	2	2
			South Thomaston	3	1	3	5	6	3
			Spruce Head	8	8	8	9	9	7
			Tenants Harbor	5	7	4	5	5	5
			Vinalhaven	6	5	10	12	13	8
York,ME	59	54	Biddeford	1	1	1	2	2	2
			Camp Ellis	1	0	0	1	1	1
			Cape Porpoise	8	9	7	10	9	9
			Eliot	0	0	0	0	1	3
			Hollis	0	0	0	0	1	1
			Kennebunkport	6	4	3	3	5	3
			Kittery	13	12	13	12	11	10
			Kittery Point	7	5	7	6	5	5
			Ogunquit	2	3	3	2	3	4
			Perkins Cove	0	0	0	1	1	1
			Saco	7	9	8	8	9	8
			Wells	4	4	4	4	5	4
			York	4	4	2	2	3	2
			York Harbor	4	3	2	3	3	1
Monmouth,NJ	59	55	Atlantic Highlands	1	1	1	1	1	1
			Belford	26	26	26	30	28	28
			Belmar	6	5	6	7	8	7
			Brielle	4	4	5	6	3	3
			Highlands	4	4	5	4	5	3
			Manasquan	4	3	3	6	4	4
			Middletown	1	0	0	1	1	0
			Neptune	1	1	2	2	2	2
			Shark River Inlet	2	3	4	5	7	6
			West Long Branch	0	0	0	0	0	1
Lincoln,ME	55	51	Boothbay	6	5	4	4	3	3
			Boothbay Harbor	8	7	5	6	4	4
			Bremen	8	7	8	5	7	7
			Bristol	1	1	2	1	3	2
			East Boothbay	2	3	2	2	2	2
			Monhegan	5	3	3	2	1	2
			New Harbor	5	4	5	6	6	4
			Pemaquid	0	0	1	2	1	1
			Pemaquid Harbor	0	0	0	0	1	1
			Round Pond	1	2	3	4	3	2
			South Bristol	12	9	8	12	13	13
			Southport	3	4	4	4	5	5
			Trevett	1	1	1	1	1	1
			Westport	2	4	3	3	4	3
			Wiscasset	2	1	1	1	1	1
Newport,RI	54	49	Jamestown	3	3	2	1	2	3
			Little Compton	4	6	6	8	7	6
			Newport	26	27	26	29	30	26
			Portsmouth	2	2	1	1	1	0
			Sakonnet	2	2	4	5	7	7
			Tiverton	10	8	12	8	7	7
Nassau,NY	43	36	Atlantic Beach	0	0	1	2	3	0
			East Atlantic Beach	0	0	0	0	1	1
			East Rockaway	0	0	0	1	1	1
			Freeport	7	8	9	10	12	11
			Glen Cove	2	2	3	2	1	1
			Island Park	1	3	5	5	3	2

			Long Beach	0	0	1	1	1	2
			Massapequa	1	1	1	1	1	0
			Oceanside	1	2	4	12	13	12
			Point Lookout	4	4	5	5	5	5
			Wantagh	0	0	1	1	2	1
Dare,NC	42	36	Avon	1	1	1	1	1	1
			Hatteras	1	2	2	4	2	3
			Kill Devil Hills	0	0	1	1	2	1
			Manns Harbor	1	1	1	1	1	1
			Manteo	2	2	2	2	2	1
			Stumpy Point	1	1	1	2	2	1
			Wanchese	15	18	22	26	32	28
New London,CT	41	37	Groton	1	3	3	2	2	1
			Mystic	0	1	1	1	3	3
			New London	11	10	8	11	10	10
			Niantic	0	1	1	3	2	1
			Noank	6	8	8	9	10	9
			Pawcatuck	1	1	2	1	1	1
			Stonington	10	11	10	12	12	12
			Waterford	0	0	0	0	1	0
Atlantic,NJ	41	40	Atlantic City	18	23	22	26	35	36
			Brigantine	1	1	1	3	3	2
			Egg Harbor Township	0	0	0	1	1	1
			Northfield	0	0	0	0	1	1
			Somers Point	0	0	0	0	1	0
Suffolk,MA	32	28	Boston	23	28	25	32	32	28
Carteret,NC	30	24	Atlantic	1	1	1	1	2	1
			Atlantic Beach	0	0	0	0	1	1
			Beaufort	12	13	15	17	18	15
			Gloucester	0	0	0	2	2	0
			Harkers Island	0	0	0	0	1	0
			Marshallberg	0	0	0	1	1	1
			Morehead City	1	1	1	2	1	1
			Newport	1	1	1	3	3	4
			Williston	0	0	0	0	1	1
Worcester,MD	27	30	Berlin	1	1	1	1	2	2
			Ocean City	10	8	12	17	23	26
			Snow Hill	0	1	1	1	1	1
			West Ocean City	1	1	1	1	1	1
Hyde,NC	25	19	Engelhard	5	4	6	10	13	10
			Scranton	0	0	1	1	2	1
			Swan Quarter	3	5	5	7	10	8
Dukes,MA	24	20	Aquinnah	0	0	0	1	1	0
			Chilmark	8	9	10	12	11	9
			Edgartown	4	7	6	5	5	4
			Gosnold	1	1	1	1	1	1
			Oak Bluffs	4	3	2	1	1	1
			Vineyard Haven	3	4	5	6	5	5
Cumberland,NJ	24	20	Heislerville	2	2	2	3	3	3
			Matts Landing	1	1	1	1	1	1
			Mauricetown	0	0	1	1	2	2
			Millville	0	0	2	1	3	3
			Port Norris	2	3	8	15	15	11
Pamlico,NC	23	24	Bayboro	3	3	3	2	4	4
			Grantsboro	1	1	1	1	1	1
			Hobucken	1	0	3	1	1	1
			Lowland	2	2	2	5	7	7
			Merritt	0	0	0	1	1	0
			Oriental	2	4	4	10	9	11
Accomack,VA	22	18	Chincoteague	6	9	12	10	10	9
			Davis Wharf	1	1	1	1	1	1
			Greenbackville	0	1	1	1	1	1
			Harborton	1	0	0	0	1	0
			Onancock	4	4	3	1	1	0
			Sanford	0	0	1	1	1	1
			Saxis	3	3	3	4	4	4
			Tangier	2	2	2	2	2	2
			Wachapreague	1	0	1	1	1	0
Beaufort,NC	20	14	Bath	1	1	1	4	2	1
			Belhaven	4	6	7	11	17	13

			Wright Creek	1	1	1	1	1	0
Sagadahoc,ME	19	14	Arrowsic	1	1	1	1	1	0
			Bath	1	1	0	0	1	2
			Five Islands	2	2	2	0	1	0
			Georgetown	1	1	1	3	3	2
			Phippsburg	3	2	2	4	4	3
			Sebasco Estates	6	6	6	7	7	6
			West Bath	0	1	0	0	1	0
			West Point	3	3	3	2	1	1
Sussex,DE	17	14	Dagsboro	1	1	1	1	1	1
			Laurel	0	0	0	1	1	0
			Lewes	1	2	3	5	7	6
			Millford	3	4	4	5	5	5
			Millsboro	1	1	1	1	2	1
			Rehoboth Beach	1	1	1	2	1	1
Norfolk (City),VA	16	14	Norfolk	18	20	18	17	16	14
New York,NY	14	13	New York	13	15	11	12	14	13
Onslow,NC	14	13	Sneads Ferry	1	1	4	6	13	12
			Swansboro	0	0	0	0	1	1
Talbot,MD	13	9	Tilghman	0	0	0	7	13	9
New Castle,DE	11	9	Newport	0	0	0	0	1	1
			Odessa	0	0	0	1	1	1
			Port Penn	0	0	0	0	1	0
			Townsend	0	0	0	1	1	1
			Wilmington	3	5	5	5	7	6
Brevard,FL	11	7	Cape Canaveral	0	0	2	8	10	7
			Cocoa Beach	0	0	0	0	1	0
Calhoun,TX	11	0	Port Lavaca	0	0	0	0	11	0
Nantucket,MA	10	10	Nantucket	7	9	10	10	10	10
Glynn,GA	10	10	Brunswick	2	3	6	7	9	9
			Saint Simons Island	0	0	0	0	1	1
Gloucester,VA	8	5	Gloucester	0	1	1	2	2	0
			Gloucester Point	0	0	0	0	2	2
			Hayes	3	1	1	4	4	3
Newport News,VA	8	6	Newport News	0	1	2	2	8	6
Somerset,MD	7	7	Crisfield	0	0	2	2	5	6
			Rumbley	0	0	0	0	1	1
			Smith Island	0	1	1	1	1	0
Virginia Beach (City),VA	6	6	Virginia Beach	10	9	9	9	6	6
Kings,NY	6	7	Brooklyn	3	3	5	6	6	7
Duval,FL	6	2	Jacksonville	1	1	1	3	5	1
			Mayport	0	0	0	0	1	1
Mobile,AL	6	3	Bayou La Batre	0	0	0	1	1	1
			Citronelle	0	0	0	0	1	1
			Mobile	0	0	0	0	4	1
Craven,NC	5	4	New Bern	1	0	0	1	5	4
Baldwin,AL	5	0	Fairhope	0	0	0	0	5	0
Providence,RI	4	1	Cranston	0	0	0	0	1	0
			Providence	3	2	2	2	2	1
			Riverside	1	1	1	1	1	0
Norfolk,MA	4	3	Cohasset	3	5	2	3	2	1
			Dover	1	1	1	1	1	1
			Holbrook	0	0	0	1	1	1
Waldo,ME	4	2	Belfast	1	3	3	3	3	2
			Dark Harbor	0	0	0	0	1	0
Hampton (City),VA	4	4	Hallwood	0	0	1	1	1	0
			Hampton	4	3	1	0	3	4
Kent,DE	4	4	Bowers	1	1	1	1	1	1
			Frederica	0	1	1	1	1	1
			Leipsic	0	0	0	1	1	1
			Port Mahon	0	0	0	0	1	1
New Haven,CT	4	3	Branford	0	1	0	1	1	1
			Guilford	0	1	1	2	1	0
			Milford	1	1	0	0	2	2
Strafford,NH	4	1	Dover	0	0	0	2	2	0
			Durham	0	0	1	1	2	1
Dorchester,MD	4	5	Cambridge	0	0	0	0	4	4
			Fishing Creek	0	0	0	0	0	1
Fairfield,CT	3	3	Bridgeport	4	2	2	1	1	1

			Greenwich	0	1	1	0	1	1
			Norwalk	0	1	0	1	1	1
Wicomico,MD	3	2	Nanticoke	0	0	0	1	1	1
			Quantico	0	0	0	0	1	0
			Willards	0	1	1	1	1	1
Middlesex,CT	3	2	Essex	0	0	1	0	1	0
			Old Saybrook	1	1	1	3	2	2
Mcintosh,GA	3	2	Crescent	1	0	1	0	1	0
			Darien	1	0	0	1	1	1
			Townsend	0	0	0	0	1	1
Franklin,FL	3	2	Apalachicola	0	0	0	2	2	1
			Carrabelle	0	1	1	1	1	1
Chatham,GA	3	3	Savannah	0	0	0	0	2	2
			Tybee Island	0	0	0	0	1	1
Northampton,VA	2	4	Exmore	0	0	0	1	1	2
			Nassawadox	1	2	1	1	1	2
Kent,RI	2	1	Warwick	3	3	3	3	2	1
Brunswick,NC	2	2	Shalotte	0	0	2	2	2	2
Virginia Beach, VA	2	1	Rudee Inlet	1	2	2	2	2	1
Poquoson (City),VA	2	2	Poquoson	1	1	1	1	2	2
Queens,NY	2	2	Broad Channel	0	0	0	1	1	1
			Howard Beach	0	0	0	0	1	1
Pasco,FL	2	0	New Port Richey	0	0	1	2	2	0
Pinellas,FL	2	0	Tarpon Springs	0	0	0	2	2	0
Dade,FL	1	1	Miami	2	2	1	1	1	1
Worcester,MA	1	1	Barre	0	0	0	0	1	1
Mathews,VA	1	0	Mathews	1	1	1	1	1	0
Richmond,NY	1	1	Staten Island	1	1	2	1	1	1
Penobscot,ME	1	1	Hampden	1	1	1	1	1	1
Northumberland,VA	1	0	Heathsville	0	0	0	1	1	0
King,WA	1	1	Seattle	2	2	1	1	1	1
Orleans,LA	1	1	New Orleans	0	0	0	0	1	1
Middlesex,VA	1	1	Deltaville	1	1	1	1	1	1
Collier,FL	1	1	Chokoloskee	0	1	1	1	1	1
York,VA	1	1	Seaford	1	0	0	0	1	1
Aleutians West,AK	1	0	Dutch Harbor	0	1	1	1	1	0
St. Lucie,FL	1	1	Fort Pierce	0	0	1	1	1	1
Aransas,TX	1	1	Rockport	0	0	1	1	1	1
Richmond (City),VA	1	2	Richmond	0	0	0	1	1	2
Jackson,MS	1	1	Pascagoula	0	0	0	0	1	1
Sarasota,FL	1	0	Sarasota	0	0	0	1	1	0
Anne Arundel,MD	1	1	Edgewater	0	0	0	0	1	1
Queen Anne's,MD	1	1	Chester	0	0	0	0	1	1
Hillsborough,NH	1	0	Nashua	0	0	0	1	1	0
Columbia,NY	1	1	Stuyvesant	0	0	0	0	1	1
Charleston,SC	1	1	Mount Pleasant	0	0	0	0	1	1
Hillsborough,FL	1	0	Lutz	0	0	0	0	1	0
Honolulu,HI	1	0	Honolulu	0	0	0	0	1	0
Matagorda,TX	1	0	Palacios	0	0	0	0	1	0
Chesapeake,VA	1	0	Chesapeake	0	0	0	0	1	0
Portsmouth,VA	1	0	Portsmouth	0	0	0	0	1	0
Galveston,TX	0	1	Galveston	0	0	0	0	0	1
Jefferson,TX	0	1	Port Arthur	0	0	0	0	0	1

Source: NE Permit data. NOTE: only ports with at least 1 vessel in 2005 or 2006 are shown.

Most general category vessels seem to fish near their homeport, but some are more mobile. General category trip locations from VTR data were plotted by homeport state from calendar years 2001 through 2004 to give a sense of where recent fishing activity has taken place by homeport state. In general most activity is near each homeport state; however, some vessels from states such as Maine, Massachusetts, Rhode Island, New York and Virginia do have some vessels that travel to fish for scallops during different portions of the year (Figure 31 through Figure 35). A figure for Delaware was not included because of data confidentiality issues (less than three vessels had reported scallop landings for these years from that state).

Figure 31 - General Category trips from vessels homeported in Maine (dark circles in figure on left) and New Hampshire (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004

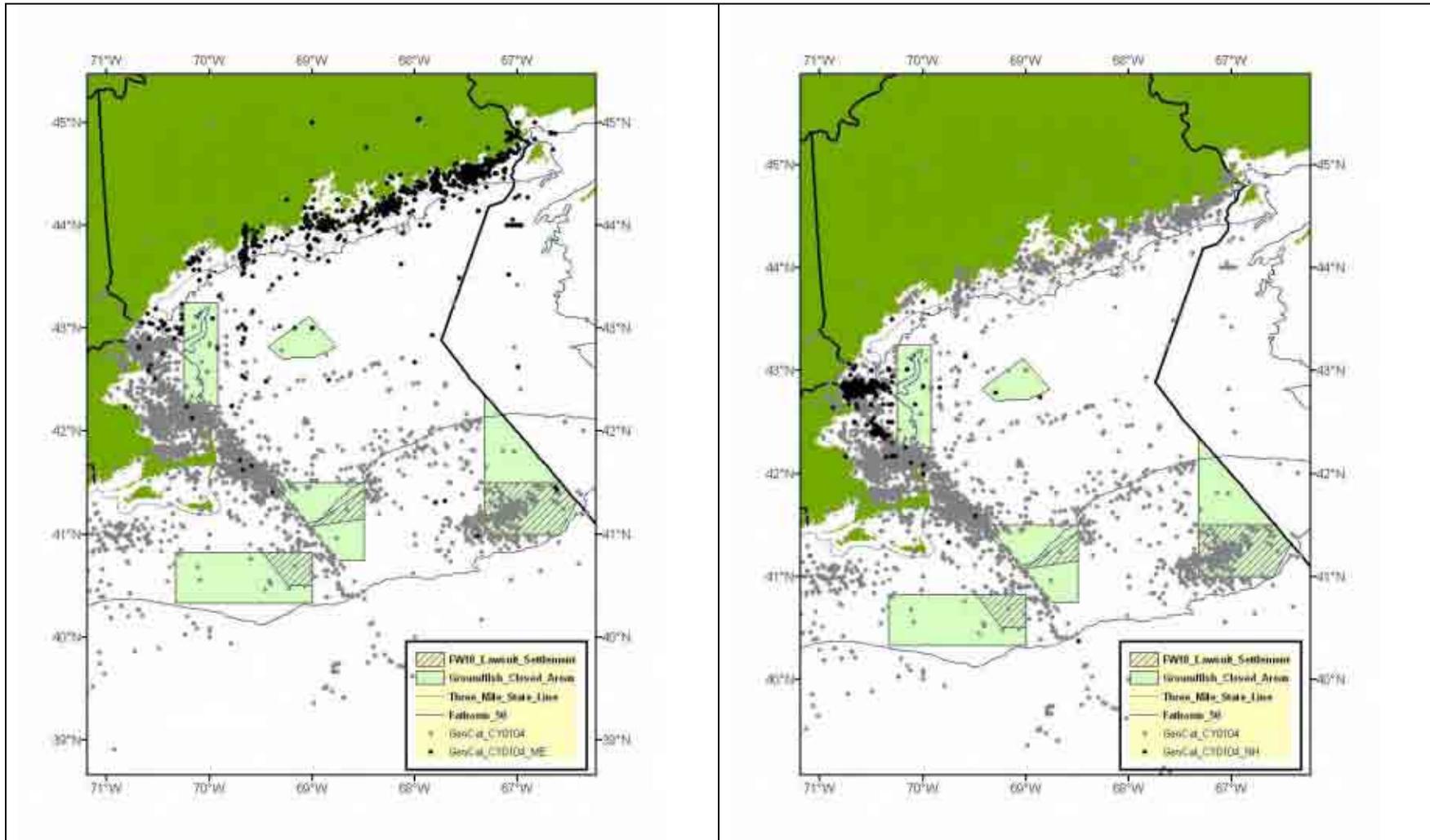


Figure 32 - General Category trips from vessels homeported in Massachusetts (dark circles in figure on left) and Rhode Island (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004
 Typo in legend: FW18 lawsuit settlement should read FW16.

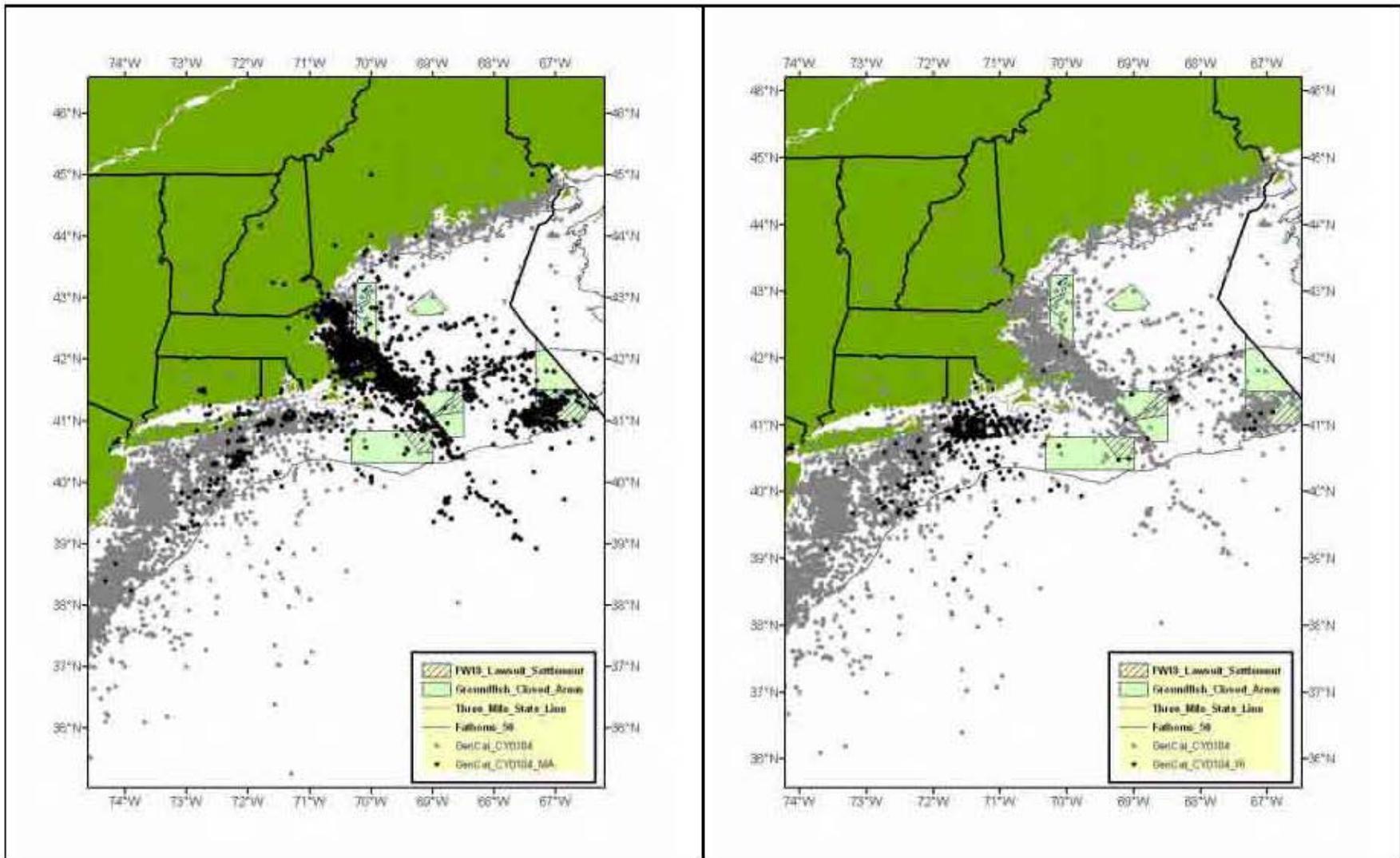


Figure 33 - General Category trips from vessels homeported in Connecticut (dark circles in figure on left) and New York (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004
 Typo in legend: FW18 lawsuit settlement should read FW16.

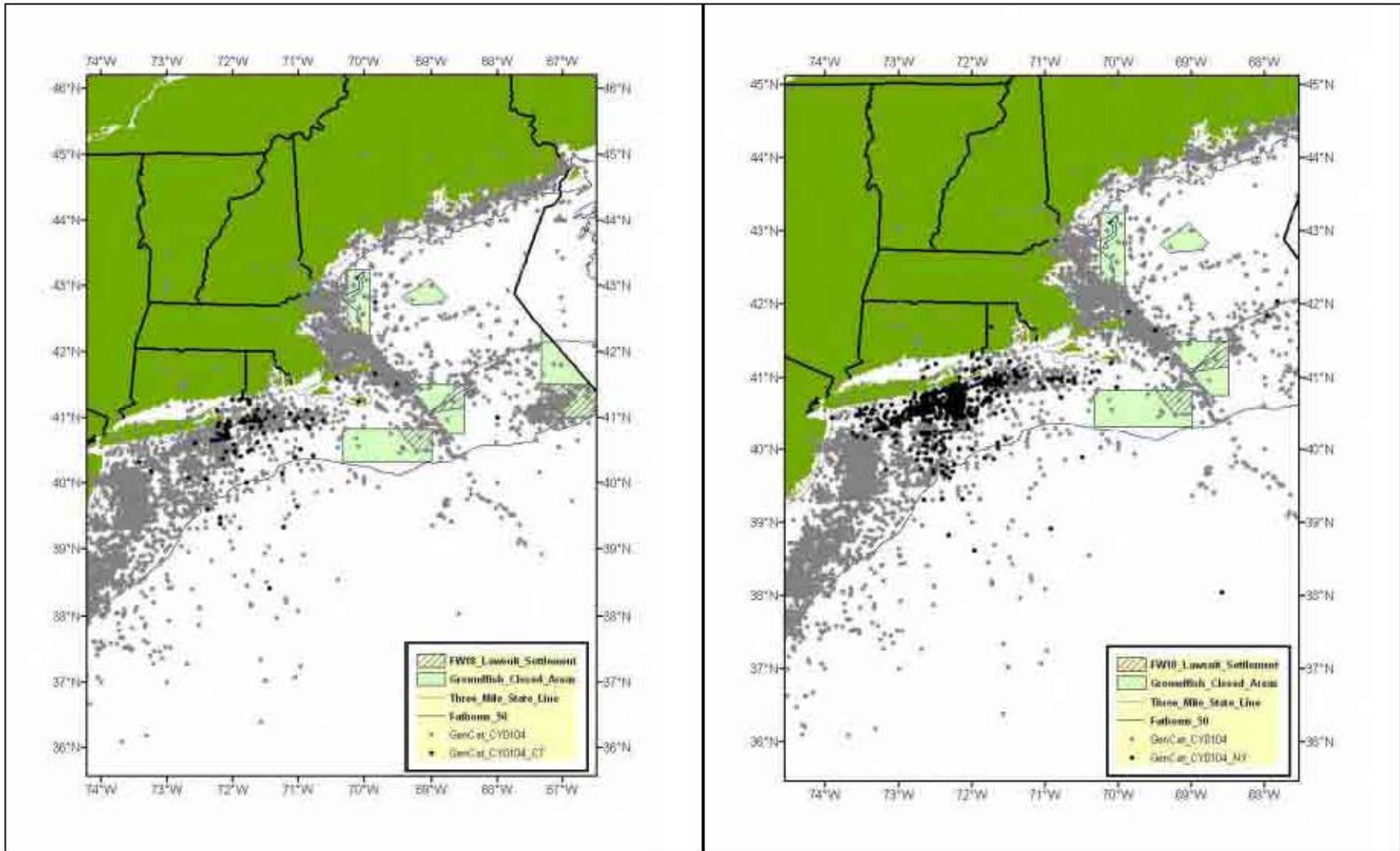


Figure 34 - General Category trips from vessels homeported in New Jersey (dark circles in figure on left) and Maryland (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004
 Typo in legend: FW18 lawsuit settlement should read FW16.

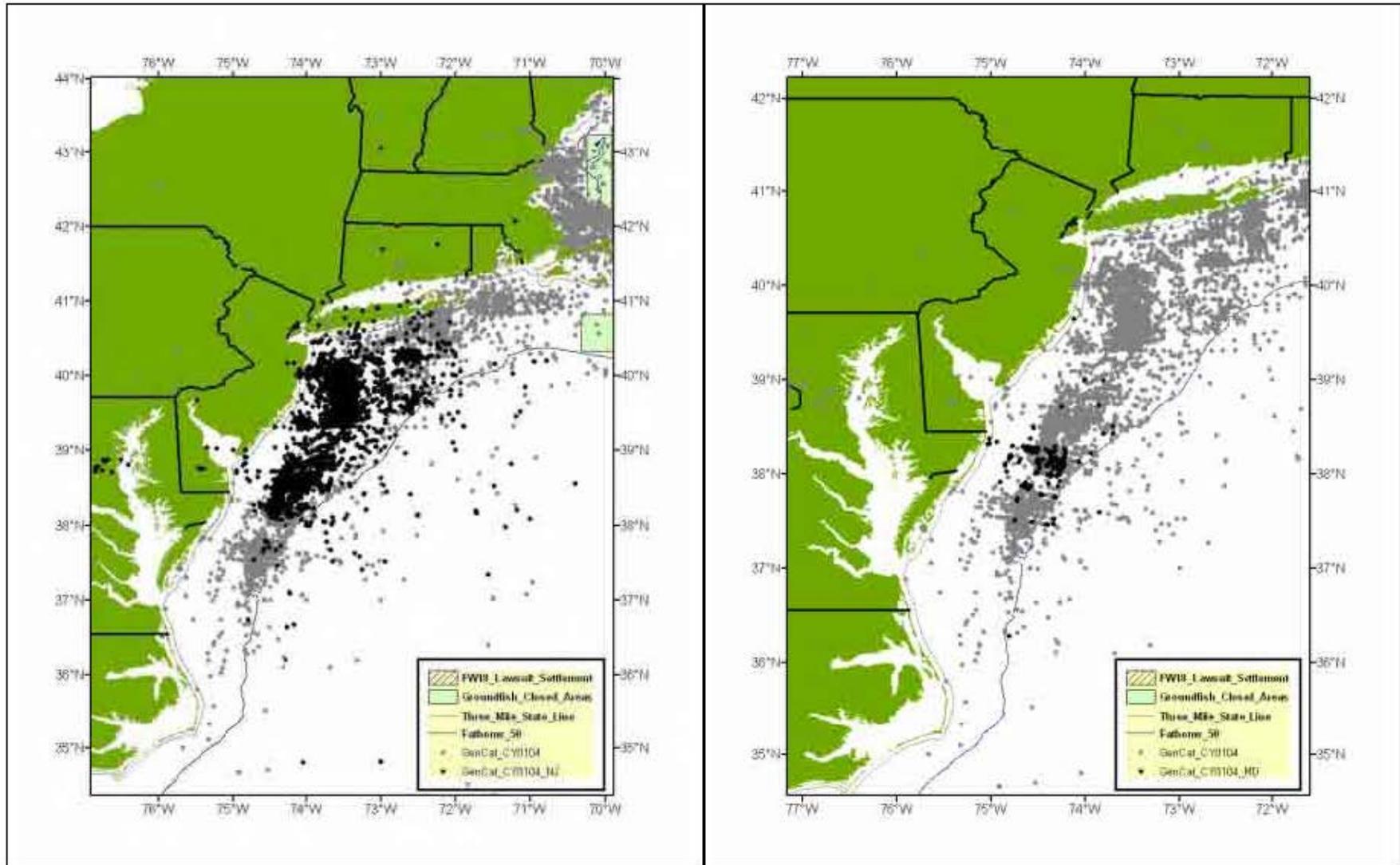
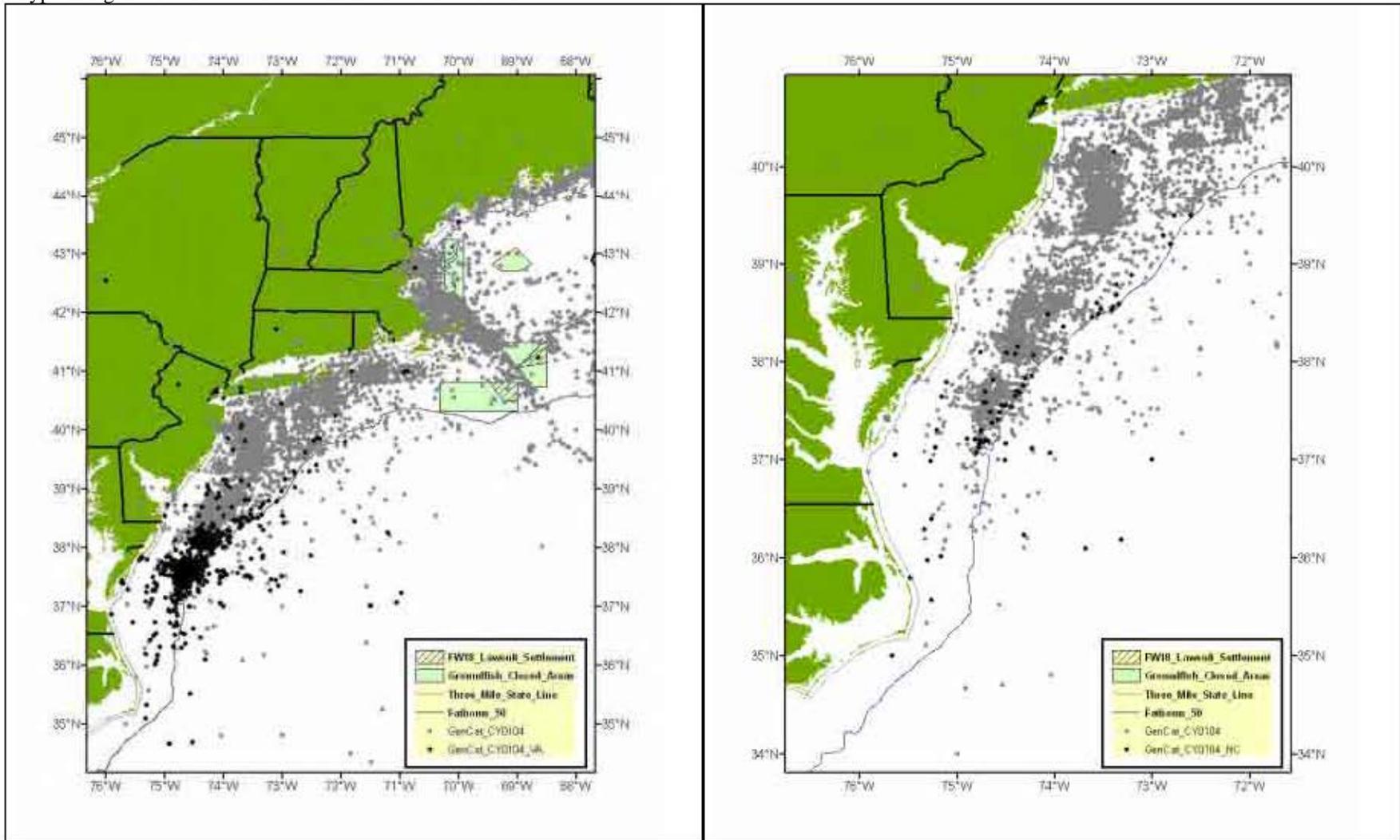


Figure 35 - General Category trips from vessels homeported in Virginia (dark circles in figure on left) and North Carolina (dark circles in figure on right) compared to all general category trips from calendar years 2001-2004
 Typo in legend: FW18 lawsuit settlement should read FW16.



Vessels land their catch at different ports at different times of the year, or at ports other than their homeports. The relation between these different geographies has significance for understanding the communities to which fishermen belong, the mutual influences between communities—as places for socialization and social organization—and the impacts of management. Table 46 and Table 47 try to ground the different kinds of places to which federally-permitted general category scallop fishermen belong, and to gauge the spatiality of economic activity and its changes over time, by looking at ports of landing and homeports by dockside value and dependence. The shift in geographic activity to the Mid-Atlantic by the general category fleet can also be seen in terms of landing ports, with the predominance in 2005 of Mid-Atlantic ports such as Chincoteague, Cape May, and Barnegat Light. Only Gloucester, New Bedford, and Cape Cod in general show consistency during the 90's into the current season, but ports in Maine no longer show significant scallop landings. A slightly different picture is told when one looks at the ports that boats call their homeports, for not all ports buy scallops nor are all ports in the vicinity of scallop grounds (Table 47). Here, North Carolina ports show more activity, and some Maine ports continue to have some importance, perhaps reflecting a seasonal movement of vessels from their customary ports to more active scallop grounds.

Table 46 - Landed pounds and value of scallops by general category vessels, 2000-2006

Landing Port	Value of scallops landed by general category vessels (in thousands of dollars)							Percentage to total value landed by all vessels in port						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
Chincoteague (Accomack VA)	16	70	202	922	2080	9298	4087	0.3	1.3	2.9	8.3	9.5	41.8	54.6
Cape May (Cape May NJ)	236	589	570	474	2136	8599	3300	0.5	1.1	0.9	0.5	1.7	9.6	12.8
Barnegat Light* (Ocean NJ)	261	382	995	1796	4731	7536	1834	0.9	1.3	3.2	4.9	10.0	24.7	48.9
Ocean City (Worcester MD)	41	40	67	132	433	4511	3899	0.3	0.2	0.5	0.2	0.8	27.4	63.2
New Bedford (Bristol MA)	278	467	87	1122	2811	3532	3980	0.1	0.1	0.0	0.3	0.6	0.7	1.8
Provincetown (Barnstable MA)	110	2060	501	582	549	3417	1749	1.2	21.6	6.7	8.3	5.5	33.1	45.0
Point Pleasant (Ocean NJ)	110	218	458	478	735	3226	2659	0.3	0.6	1.1	1.1	1.8	10.4	28.5
Chatham (Barnstable MA)	4	479	104	400	1634	2710	1201	0.0	2.0	0.5	1.9	6.4	11.1	12.2
Atlantic City (Atlantic NJ)	.	9	.	0	67	2241	1207	.	0.0	.	0.0	0.2	11.0	67.3
Hampton Bays (Suffolk NY)	417	451	94	157	499	1534	703	2.2	2.6	0.6	1.2	3.6	13.2	16.6
Wildwood (Cape May NJ)	119	500	141	287	463	1372	387	1.1	3.9	1.1	2.1	3.6	20.3	23.0
Montauk (Suffolk NY)	6	7	0	1	431	1346	1271	0.0	0.0	0.0	0.0	1.5	4.8	10.8
Hampton (Hampton VA)	2	9	8	164	80	1308	1113	0.0	0.0	0.0	0.3	0.2	4.2	10.7
Point Judith (Washington RI)	8	16	21	31	334	1145	732	0.0	0.0	0.0	0.0	0.5	1.7	2.4
Gloucester (Essex MA)	80	942	683	462	115	1131	518	0.1	1.2	0.9	0.6	0.1	1.5	1.7
Stonington (New London CT)	.	.	.	.	.	895	558	.	.	.	.	.	4.9	7.4
Harwich Port (Barnstable MA)	.	426	110	285	194	755	73	.	3.6	1.3	6.2	3.6	17.6	6.3
Newport News (New. News VA)	2	1	389	34	66	751	437	0.0	0.0	0.5	0.0	0.1	1.1	2.0
Hyannisport (Barnstable MA)	.	.	.	.	30	573	150	.	.	.	.	0.9	12.0	9.7
Islip (Suffolk NY)	.	.	0	.	0	470	231	.	.	0.0	.	0.0	40.0	36.2
Shinnecock (Suffolk NY)	.	.	.	.	8	320	185	.	.	.	.	1.0	24.8	29.9
Wellfleet (Barnstable MA)	23	66	32	111	47	277	27	4.5	11.5	4.2	13.1	2.0	6.8	1.3
Nantucket (Nantucket MA)	0	0	0	1	36	273	93	0.0	0.0	0.0	0.1	1.8	11.2	8.7
Newport (Newport RI)	15	0	3	1	37	272	128	0.1	0.0	0.0	0.0	0.2	1.0	1.0
New London (New London CT)	.	.	.	.	.	219	11	.	.	.	.	.	5.6	0.7
Sandwich (Barnstable MA)	155	201	248	225	124	214	170	1.4	1.5	1.9	1.9	1.1	3.0	10.1
Barnstable (Barnstable MA)	.	.	.	.	29	167	318	.	.	.	.	1.1	7.0	26.9
Edgartown (Dukes MA)	.	.	.	.	29	136	5	.	.	.	.	3.2	8.6	0.7
Westport (Bristol MA)	2	.	.	.	27	111	58	0.0	.	.	.	0.7	3.0	5.1
Brielle (Monmouth NJ)	.	.	.	.	.	109	9	.	.	.	.	.	92.3	99.3

Source: dealer weighout data. Note: Years are fishing years Barnegat Light includes Long Beach; graph only includes ports with at least 100,000 landed value in 2005; 2006 is year to date as of Sept 28, 2006.

Table 47 - Distribution of general category landed value of scallops by associated homeport

Homeport (County State)	Value of scallops to homeport, landed by general category vessels (in thousands of dollars)							Percentage to dealer-reported value by all vessels in homeport						
	2000	2001	2002	2003	2004	2005	2006	2000	2001	2002	2003	2004	2005	2006
Barnegat Light (Ocean NJ)	*	382	1006	1700	4955	6693	1892	0	4	11	15	29	36	66
Provincetown (Barnstable MA)	96	712	352	351	391	3247	1640	8	38	19	22	27	75	81
Cape May (Cape May NJ)	48	53	119	133	961	3089	2107	0	0	0	0	2	5	5
New Bedford (Bristol MA)	131	403	241	647	1258	2744	3235	0	0	0	1	1	1	3
Point Pleasant (Ocean NJ)	*	*	213	200	378	2533	1672	0	0	5	4	5	23	30
Atlantic City (Atlantic NJ)	0	0	0	2	101	2526	2372	0	0	.	0	2	12	91
Beaufort (Carteret NC)	0	*	15	67	289	1928	757	0	3	1	4	13	62	63
Ocean City (Worcester MD)	*	*	*	*	661	1790	1167	1	2	12	1	32	59	92
Belhaven (Beaufort NC)	*	*	128	155	457	1662	494	0	2	10	11	35	59	45
Newport News (Newport News VA)	0	0	0	*	*	1508	*	0	0	0	1	0	7	1
Cape Canaveral (Brevard FL)	0	0	0	*	371	1452	393	0	0	0	9	16	40	18
Gloucester (Essex MA)	26	309	352	330	333	1283	456	2	19	17	9	8	38	33
Sneads Ferry (Onslow NC)	0	0	0	0	0	1102	470	.	.	.	.	.	100	82
Egg Harbor Township (Atlantic NJ)	0	0	0	0	0	*	*	.	.	.	.	.	99	100
Lowland (Pamlico NC)	0	0	0	0	*	*	*	0	0	0	0	0	16	10
Shinnecock (Suffolk NY)	277	219	41	78	318	980	352	15	11	3	4	15	34	39
New Bern (Craven NC)	0	0	0	0	0	961	*	0	0	0	0	0	13	4
Engelhard (Hyde NC)	0	*	*	*	280	912	239	.	3	2	15	20	39	16
Swan Quarter (Hyde NC)	*	0	0	*	*	876	354	0	0	0	5	7	27	15
Chatham (Barnstable MA)	0	296	40	273	188	814	502	.	27	6	40	28	38	44
Stonington (Hancock ME)	*	134	146	85	189	791	157	12	100	98	100	100	99	100
Wildwood (Cape May NJ)	81	*	89	210	312	678	231	2	1	2	6	8	21	20
Norfolk (Norfolk (City) VA)	*	7	25	79	344	669	474	0	0	0	0	2	4	5
Lubec (Washington ME)	0	54	*	149	375	647	119	0	90	100	100	99	96	100
Shallotte (Brunswick NC)	0	0	0	0	*	*	*	.	.	.	.	99	99	99
Tilghman (Talbot MD)	0	0	0	0	0	590	808	.	.	.	.	.	100	100
Wanchese (Dare NC)	3	2	10	20	84	577	220	0	0	0	0	1	6	4
Wellfleet (Barnstable MA)	*	287	139	848	311	564	172	8	33	99	98	94	90	99
Montauk (Suffolk NY)	65	19	6	*	115	508	325	2	1	0	0	6	7	12
Barnstable (Barnstable MA)	*	248	185	58	72	501	404	22	17	14	4	4	18	19
Brunswick (Glynn GA)	0	0	*	*	139	476	285	.	.	98	100	100	100	85
Portsmouth (Rockingham NH)	0	*	*	*	70	438	512	0	0	0	2	4	24	89
New London (New London CT)	0	0	0	0	*	433	79	0	.	.	0	32	10	3
Waretown (Ocean NJ)	0	0	0	0	0	*	*	.	.	.	.	.	98	98
Kittery (York ME)	0	0	0	0	0	414	236	.	.	.	.	.	98	95
Westport (Bristol MA)	0	0	0	0	30	391	400	.	.	.	.	8	55	65
Nanticoke (Wicomico MD)	0	0	0	0	0	*	*	.	.	.	.	.	100	100
Bayboro (Pamlico NC)	0	26	*	*	*	376	*	0	3	0	0	5	36	12
Apalachicola (Franklin FL)	0	0	0	0	0	*	*	.	.	.	.	.	100	99
Stonington (New London CT)	*	0	0	0	*	367	357	1	0	0	0	0	6	11
Port Norris (Cumberland NJ)	0	0	0	*	*	321	53	.	.	.	100	100	100	98
Islip (Suffolk NY)	0	0	0	0	*	*	*	.	.	.	.	0	79	94
South Bristol (Lincoln ME)	0	0	0	0	113	313	*	.	.	.	.	31	66	45
Bucks Harbor (Washington ME)	*	159	58	133	*	*	*	100	100	100	67	100	99	100
Jacksonville (Duval FL)	0	0	0	0	0	*	0	0	0	0	.	0	21	0
Oriental (Pamlico NC)	0	*	*	20	51	284	238	0	0	0	0	1	4	5
Jonesport (Washington ME)	0	53	59	*	*	283	*	.	37	87	100	100	54	100
Newport (Newport RI)	*	*	*	*	40	279	124	0	0	0	0	2	17	10
Sandwich (Barnstable MA)	128	349	177	189	135	260	192	27	48	23	16	33	79	76
Point Judith (Washington RI)	15	12	18	20	89	254	108	0	0	0	0	1	2	1
Southampton (Suffolk NY)	*	*	*	*	*	*	*	30	52	9	28	12	63	63
Mobile (Mobile AL)	0	0	0	0	0	*	*	.	.	.	.	.	100	99
Laurel (Sussex DE)	0	0	0	0	*	*	0	.	.	.	.	100	100	.
Morehead City (Carteret NC)	0	0	*	*	*	*	*	.	.	23	59	75	81	72
Hampton Bays (Suffolk NY)	42	87	*	2	*	*	355	4	15	0	1	30	88	56
Harwich (Barnstable MA)	*	115	0	0	0	*	*	2	39	.	.	.	75	100
Belmar (Monmouth NJ)	0	0	0	0	0	187	217	.	.	.	.	.	78	85
Orleans (Barnstable MA)	0	*	*	0	*	*	0	.	100	1	.	97	92	.
Edgartown (Dukes MA)	0	0	0	0	*	*	*	.	.	.	.	100	100	100

Manasquan (Monmouth NJ)	0	0	0	0	0	*	*	.	.	.	.	.	.	95	96
Newport (Carteret NC)	0	*	*	*	*	*	*	0	0	7	8	12	19	12	
Huntington (Suffolk NY)	0	0	0	0	0	*	*	.	.	.	.	.	96	99	
Owls Head (Knox ME)	0	*	*	139	*	*	*	0	1	8	38	38	24	8	
Wilmington (New Castle DE)	0	0	*	*	66	*	137	0	0	1	2	3	9	95	
Portland (Cumberland ME)	*	3	25	31	*	158	27	1	1	2	2	7	23	5	
Darien (Mcintosh GA)	0	0	0	0	0	*	*	.	.	.	.	.	99	100	
Grantsboro (Pamlico NC)	0	0	0	0	0	*	*	.	.	.	.	.	100	33	
Northeast Harbor (Hancock ME)	*	0	*	*	*	*	*	100	.	100	100	97	100	100	
Mattituck (Suffolk NY)	0	0	0	*	*	*	*	.	.	.	.	0	22	92	34
Point Pleasant Beach (Ocean NJ)	0	0	*	*	*	149	538	0	0	1	0	1	8	90	
Atlantic (Carteret NC)	0	0	0	*	*	*	*	0	0	0	0	0	3	1	
Chincoteague (Accomack VA)	*	0	0	*	65	*	*	73	.	.	45	74	90	71	
Machiasport (Washington ME)	0	0	0	0	0	*	*	.	.	.	.	.	100	100	
Boston (Suffolk MA)	14	*	3	*	82	*	*	1	0	0	0	2	8	0	
Williston (Carteret NC)	0	0	0	0	0	*	*	.	.	.	.	.	100	40	
Heislerville (Cumberland NJ)	0	0	0	0	0	*	*	0	.	.	.	.	100	.	
Rockport (Essex MA)	0	*	41	79	49	128	113	.	0	12	24	15	41	57	
Harrington (Washington ME)	0	0	*	*	0	*	*	.	.	4	100	.	97	100	
Winter Harbor (Hancock ME)	0	0	0	0	0	*	*	.	.	.	.	.	77	99	
Kittery Point (York ME)	0	0	0	0	*	*	*	.	.	.	.	100	100	100	
Greenport (Suffolk NY)	30	3	*	*	66	115	*	2	0	0	1	14	12	0	
Marshallberg (Carteret NC)	0	0	0	0	0	*	*	.	.	.	.	0	99	62	
Matts Landing (Cumberland NJ)	0	0	0	*	*	*	0	.	.	.	49	99	93	.	
Ocean City (Cape May NJ)	0	0	*	0	*	*	0	.	.	100	.	97	100	.	
Virginia Beach (Virginia Beach VA)	0	0	*	*	*	*	*	0	0	3	4	25	98	1	

Note: Only ports with at least 100,000 in landed valued in 2005. * Cannot report landings for ports with less than 3 active vessels. Source: dealer weighout and permit records.

4.4.5 Limited access fishing under general category rules

The level of fishing effort by limited access vessels under general category has fluctuated over time. Table 41 summarizes scallop landings by limited access vessels for trips equal to or less than 400 pounds per trip. The level of landings and number of vessels that have participated in this component of the fishery has varied with time. When catch per day was lower for limited access vessels in the late 1990s for example, the amount of scalloping under general category was relatively high. From 2000-2004 landing were in the ballpark of 200 to 300,000 pounds from this activity, or about 0.5% of total landings. There has been an increase in limited access trips under 400 pounds in recent years (2005 and 2006). The number of limited access vessels with trips less than 400 pounds is described in Table 48. In general, most limited access vessels have taken at least one trip under 400 pounds. Furthermore, according to Table 49, most trips were over 100 pounds.

Table 50 describes the average scallops landed under 400 pound trips for each limited access permit category over time. For part-time vessels in particular, landings under 400 pound trips have been relatively high for most years going back to 1994. And in terms of percent of total scallop landings from trips less than 400 pounds, the majority of scallop landings for occasional vessels are from trips less than 400 pounds and for some years the same is true for part-time vessels (Table 51).

Table 48. Number of limited access vessels taking general category trips (i.e., ≤400 lb. trips) by permit category

FYEAR	FT	PT	OT	Grand Total
1994	137	28	14	179
1995	113	18	9	140
1996	108	24	NA	NA
1997	90	20	3	113
1998	99	16	3	118
1999	89	21	5	115
2000	144	38	10	192
2001	126	52	16	194
2002	114	34	16	164
2003	198	51	15	264
2004	207	45	12	264
2005*	232	44	4	280

* Preliminary data

Table 49. Number of limited access vessels taking general category trips (i.e., ≤400 lb. trips) by MAX. trip lb. category

FYEAR	<100 lb.	≥100 lb.	Grand Total
1994	46	133	179
1995	30	110	140
1996	33	101	134
1997	21	92	113
1998	30	88	118
1999	27	88	115
2000	56	136	192
2001	50	144	194
2002	36	128	164
2003	72	192	264
2004	21	243	264
2005*	10	270	280

* Preliminary data

Table 50. Average scallop pounds per vessel from general category trips (i.e., ≤400 lb. trips)

FYEAR	FT	PT	OT	Grand Total
1994	642	236	202	544
1995	551	495	524	542
1996	457	569	NA	NA
1997	715	1174	60	779
1998	1568	554	129	1394
1999	1770	2232	537	1800
2000	1517	4969	378	2141
2001	1734	4070	456	2255
2002	673	3963	772	1364
2003	788	4732	382	1527
2004	1815	9925	630	3143
2005*	4130	11657	5692	5335

* Preliminary data

Table 51. General category scallop landings as a % of total scallop landings (i.e., <=400 lb. trips)

FYEAR	FT	PT	OT	Grand Total
1994	5%	69%	89%	22%
1995	5%	40%	67%	14%
1996	5%	33%	NA	NA
1997	3%	28%	100%	10%
1998	6%	17%	100%	10%
1999	5%	17%	70%	10%
2000	3%	9%	81%	8%
2001	3%	8%	75%	10%
2002	4%	10%	66%	11%
2003	1%	5%	100%	8%
2004	3%	16%	76%	8%
2005*	6%	15%	87%	8%

* Preliminary data

Table 52 summarizes the limited access vessels that have trips under 400 pounds by primary port. This table gives a better sense of what areas and permit types are currently active in this activity. For example, most part-time and occasional vessels that fished under general category in 2005 are from New York and New Jersey. Furthermore, most full-time vessels that fished under general category in 2005 were from the Mid-Atlantic as well, only 15 of 72 vessels were from states in New England. In terms of dependence on this activity, Table 53 describes the portion of total revenue from general category fishing for these limited access vessels. About 3% of average revenue for the full-time vessels that participated in general category fishing came from trips under 400 pounds. While over 15% of total revenue from scallops for part-time and occasional vessels came from trips under general category.

Table 52. Limited access vessels with general category landings by primary port of landing in 2005 fishing year

State of landing	Full-time		Part-time and occasional	
	Number of vessels	GRT (Average)	Number of vessels	GRT (Average)
MA+NH	15	118	5	90
NY+NJ	28	133	14	111
Oth. Mid. At.	29	144	7	108
All	72	134	26	106

Table 53. Dependence on general category scallop landings as a % of total revenue in 2005 fishing year for limited access vessels

Permit category	Number of active vessels with general category trips	Total revenue per vessel	Scallop revenue per vessel	Scallop revenue as a % of total revenue	General category scallop lb. as a % of total scallop lb.	General category revenue as a % of total revenue
Full-time	72	\$1,183,552	\$1,073,259	91.4%	3.2%	2.9%
Part-time+Occasional	26	\$710,539	\$591,089	80.9%	15.8%	12.8%

4.4.6 Scallop fishing in the Gulf of Maine

This section summarizes scallop fishing in the Gulf of Maine because this action is considering a separate management system for general category fishing in that area. The survey and fishery data available for this area are summarized below. According to Amendment 10, all scallops in the US EEZ belong to a single stock. However, based on survey data and fishing patterns the stock can be divided into several regional components such as Georges Bank, Mid-Atlantic, Southern New England, and Gulf of Maine. According to SARC 39 (2004), biologically the stock is likely composed of smaller regional meta-populations with some movement of larvae from areas in the north to the south. While most scallops are harvested in depths between 30 and 100 meters, there are relatively small known amounts of sea scallop biomass in near-shore relatively shallow waters within the Gulf of Maine.

During discussions of Amendment 11 there has been some confusion about whether scallops in the Gulf of Maine are part of the scallop assessment. The sea scallop assessment determines the status of the stock, including the rate of removal or exploitation rate (based on fishery dependent data) and the current stock size or biomass (measured using fishery independent data). The federal scallop survey is the primary source of fishery independent data used to estimate biomass or stock size. The federal scallop survey has been conducted annually since 1977 in Georges Bank, Mid-Atlantic and occasionally in other areas. However, the most recent assessment only uses data from 1982-2003 for Georges Bank because that is when the northern edge of Georges Bank was first surveyed. In addition, data from 1979-2003 are used for the Mid-Atlantic region. The assessment does not include data from stations in the Gulf of Maine or Southern New England because they are not sampled regularly.³

The other component of the assessment incorporates fishery dependent data to calculate the exploitation rate, or rate of removal by the fishery. Fishing mortality is estimated using commercial landings data from port samples and dealer data prior to April 1994, and on dealer and VTR data after April 1994. The landings are prorated based on location information provided by the industry into one of four areas (Georges Bank, Mid-Atlantic, Gulf of Maine, and Southern New England). While landings are recorded in these four areas, only landings from Georges Bank and the Mid-Atlantic are used in the fishing mortality estimate. Therefore, removals from the Gulf of Maine and Southern New England are not included in the assessment either.

Figure 36 depicts the overall landings from the Gulf of Maine from 1964 through 2003 according to data from SARC 39 (2004). Mean landings from this area for this time series are 1.21 million pounds (547 mt.). The vast majority of landings from the Gulf of Maine are within state waters. There are a few abundant areas offshore in federal waters, but many of these areas are currently within habitat closed areas so are not accessible to the scallop fishery (Jefferies Bank, Cashes Ledge, Stellwagen Bank). Schick (pers. comm.) provided the following as federal waters areas off the Maine coast which have historically been productive for scalloping:

- Jeffreys Ledge
- Platts Bank

³ See SARC 39, specifically the *SAW 39 Report* for additional information regarding the data used in the sea scallop assessment.

- Fippennies Ledge
- Great Duck Island (off Mt. Desert Is.)
- Libby Islands (off Machiasport)

The following information on Maine offshore scallop fishing is from Walton (1980):

“Offshore (scallop) areas are not as completely documented but localized fisheries have occurred in the vicinity of Jeffreys Ledge and Cashes Ledge. Other areas may include Platts Bank and off Machias Seal Island. It is difficult to quantify historical production for these areas since data are not available and production peaks tend to coincide with the appearance of one or more successful year classes in a given area.

The sea scallop has been characterized by irregular abundance in most areas of the coast and this probably results from biological and environmental factors. This variability has tended to generate cyclic fisheries in which the discovery of a large population of harvestable scallops leads to a rapid expansion of the fishery and the subsequent depletion of the stock. This variability occurs in both inshore and offshore areas; the 1975-76 scallop fishery in the Castine area of Penobscot Bay and the 1979-80 fishery off Jeffreys Basin are examples of the rapid expansion of harvesting of newly discovered scallop beds...

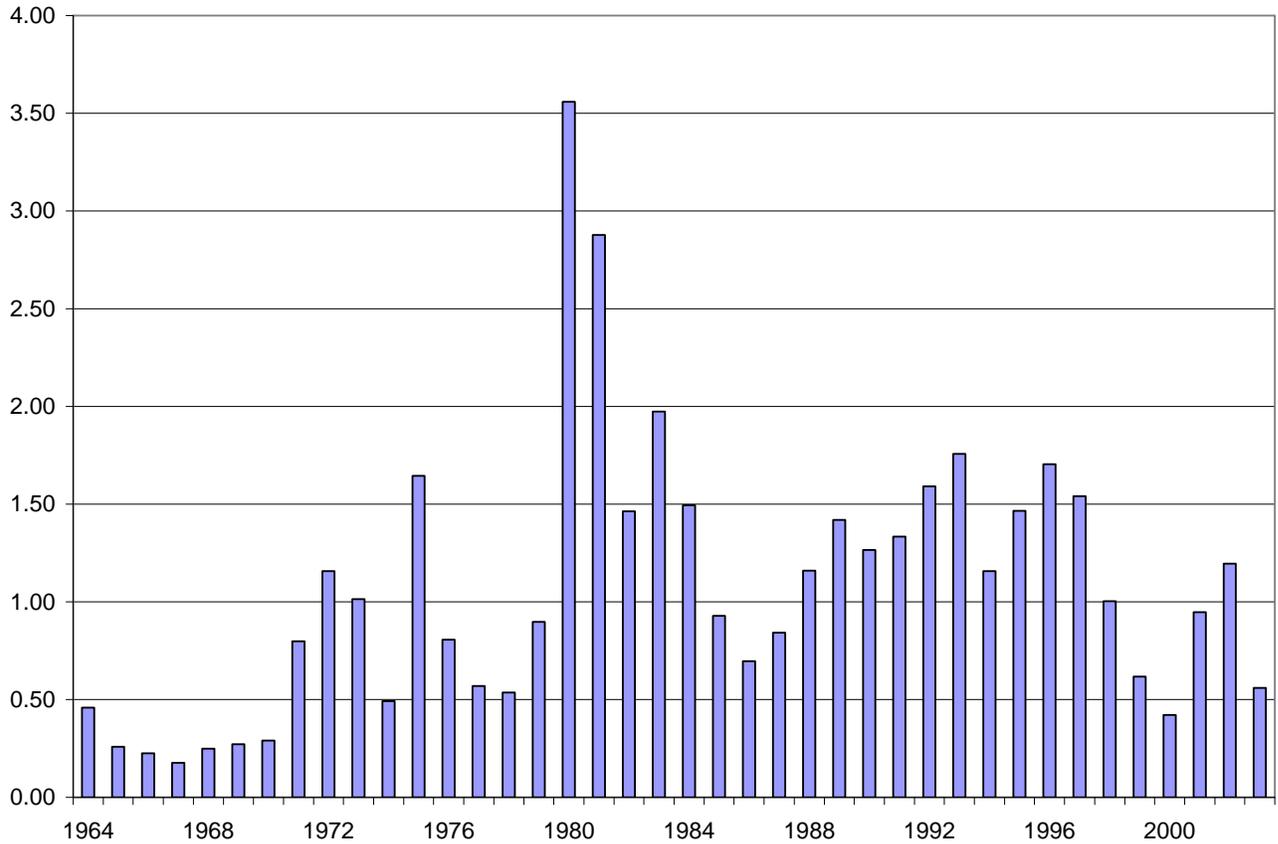
Offshore scalloping is not well documented for the Gulf of Maine fisheries. Landings data for 1979 (Richard Barnard, NMFS, personal communication) do indicate some recent harvesting patterns and are presented in Table 54.

Table 54 – Maine scallop landings, 1979 (shucked meat in pounds). (Source: Walton, 1980)

Location	Coastal Area			Totals
	Eastern (511)	Central (512)	Western (513)	
0-3 miles, offshore	128,741	461,678	12,054	602,473
3-12 miles, offshore	0	1,903	492	2,395
Beyond 12 miles	0	32,606	67,424	100,030

Jeffreys Ledge (514)	11,012
Cashes Ledge (515)	69,646
Georges Bank (523)	292,826
Georges Bank (524)	85,263
Total	558,777

Figure 36 – Annual landings (in million pounds) from the Gulf of Maine (Source: SARC 39-data includes all landings reported through VTR)



Overall, landings from the Gulf of Maine are very small in comparison to total landings.

Figure 37 displays the portion of total landings from the Gulf of Maine as compared to total annual landings. On average for this 40 year time series, landings from the GOM account for roughly 7.6% of total landings, as high as 26.2% in 1972 and as low as 1.0% in 2003 (Table 55). In 1980, landings from the GOM reached as high as 3.56 million pounds (17.7% of the total) and as low as 0.18 million pounds in 1967, or 2.5% of total landings. While landings were 0.56 million pounds in 2003, the percent of total landing from this area was only about 1% since landings have been so high from the Mid-Atlantic area.

Figure 37 – Annual landings by area (Source: SARC 39 Report)

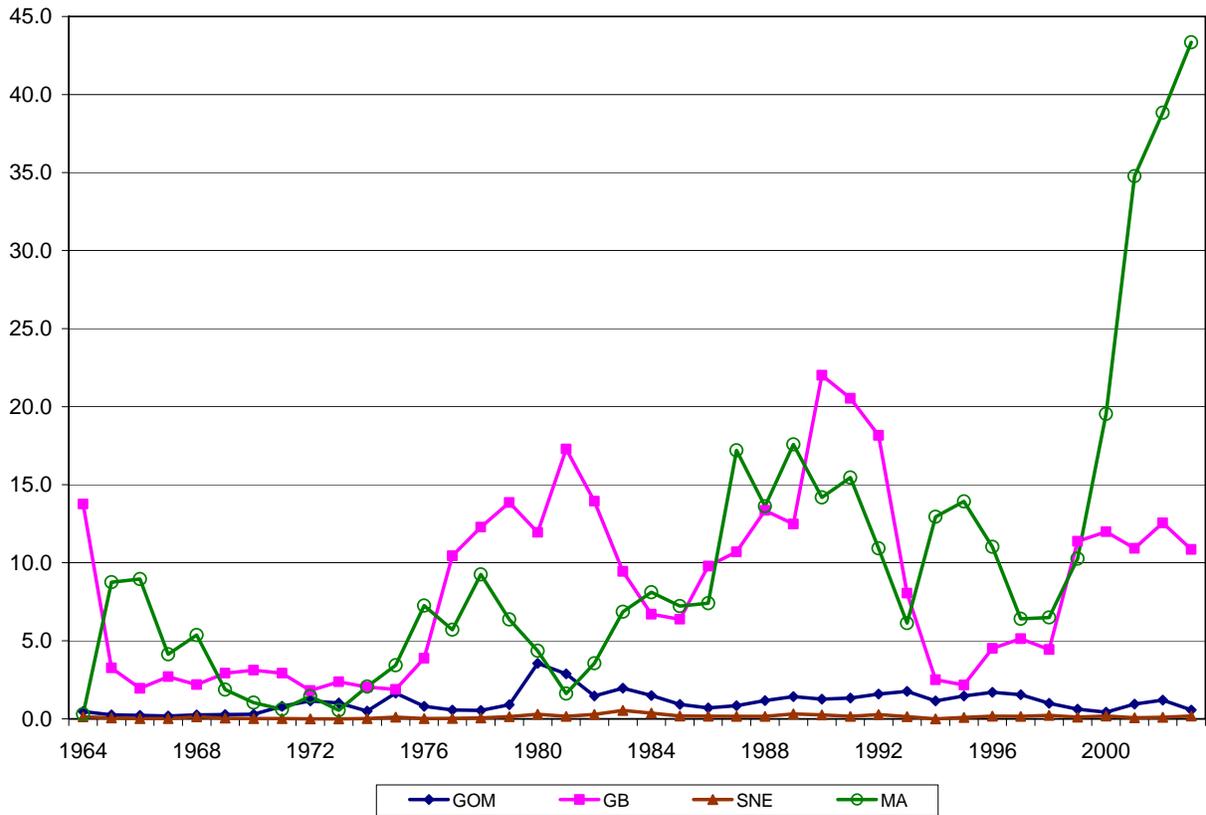


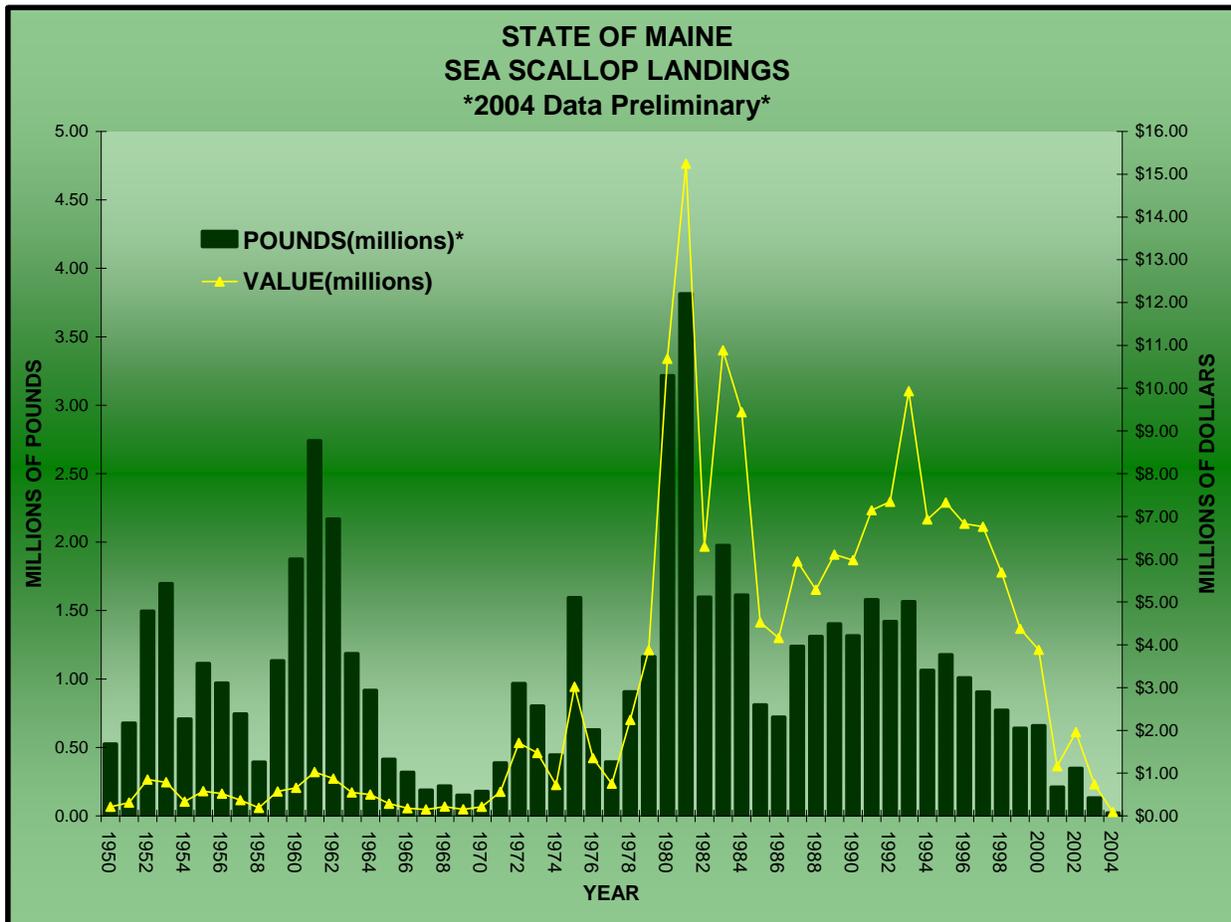
Table 55 – Summary of annual landings by area from 1964-2003 (Source: SARC 39 Report).

Year	GOM		GB		SNE		MA		Total
1964	0.46	3.1%	13.76	94.0%	0.12	0.8%	0.30	2.1%	14.64
1965	0.26	2.1%	3.27	26.5%	0.06	0.5%	8.76	71.0%	12.34
1966	0.22	2.0%	1.95	17.5%	0.02	0.2%	8.95	80.3%	11.14
1967	0.18	2.5%	2.69	38.4%	0.02	0.3%	4.13	58.9%	7.02
1968	0.25	3.1%	2.19	27.6%	0.12	1.6%	5.37	67.7%	7.94
1969	0.27	5.3%	2.92	57.1%	0.04	0.8%	1.88	36.7%	5.11
1970	0.29	6.5%	3.12	69.8%	0.01	0.3%	1.04	23.3%	4.47
1971	0.80	18.4%	2.93	67.4%	0.02	0.4%	0.60	13.9%	4.35
1972	1.16	26.2%	1.81	40.9%	0.00	0.1%	1.45	32.8%	4.42
1973	1.01	25.7%	2.38	60.3%	0.01	0.2%	0.55	13.9%	3.95
1974	0.49	10.7%	2.04	44.3%	0.01	0.2%	2.07	44.8%	4.61
1975	1.64	23.2%	1.89	26.7%	0.11	1.6%	3.43	48.5%	7.08
1976	0.81	6.8%	3.88	32.5%	0.02	0.1%	7.25	60.6%	11.95
1977	0.57	3.4%	10.44	62.3%	0.02	0.1%	5.71	34.1%	16.75
1978	0.54	2.4%	12.28	55.5%	0.06	0.3%	9.25	41.8%	22.12
1979	0.90	4.2%	13.86	65.2%	0.15	0.7%	6.37	29.9%	21.27
1980	3.56	17.7%	11.95	59.3%	0.29	1.5%	4.35	21.6%	20.15
1981	2.88	13.1%	17.29	78.8%	0.15	0.7%	1.61	7.3%	21.93
1982	1.46	7.6%	13.94	72.5%	0.28	1.4%	3.55	18.5%	19.23
1983	1.97	10.5%	9.44	50.2%	0.54	2.8%	6.85	36.4%	18.81
1984	1.49	9.0%	6.71	40.3%	0.36	2.2%	8.10	48.6%	16.67
1985	0.93	6.3%	6.38	43.4%	0.18	1.2%	7.22	49.1%	14.71
1986	0.70	3.9%	9.78	54.2%	0.17	1.0%	7.41	41.0%	18.06
1987	0.84	2.9%	10.69	37.0%	0.15	0.5%	17.20	59.5%	28.89
1988	1.16	4.1%	13.35	47.2%	0.15	0.5%	13.62	48.2%	28.28
1989	1.42	4.5%	12.48	39.3%	0.30	1.0%	17.58	55.3%	31.78
1990	1.27	3.4%	22.01	58.4%	0.26	0.7%	14.19	37.6%	37.71
1991	1.33	3.6%	20.53	54.8%	0.16	0.4%	15.46	41.2%	37.47
1992	1.59	5.1%	18.16	58.7%	0.27	0.9%	10.92	35.3%	30.95
1993	1.76	10.9%	8.06	50.1%	0.15	0.9%	6.12	38.1%	16.08
1994	1.16	7.0%	2.51	15.1%	0.00	0.0%	12.95	77.9%	16.61
1995	1.47	8.3%	2.16	12.3%	0.08	0.4%	13.93	79.0%	17.64
1996	1.70	9.8%	4.51	25.9%	0.16	0.9%	11.02	63.4%	17.40
1997	1.54	11.6%	5.13	38.7%	0.15	1.1%	6.42	48.5%	13.24
1998	1.00	8.2%	4.44	36.5%	0.22	1.8%	6.50	53.4%	12.17
1999	0.62	2.8%	11.36	50.8%	0.12	0.5%	10.26	45.9%	22.36
2000	0.42	1.3%	11.99	37.3%	0.19	0.6%	19.53	60.8%	32.13
2001	0.95	2.0%	10.92	23.4%	0.07	0.1%	34.76	74.4%	46.70
2002	1.19	2.3%	12.55	23.8%	0.09	0.2%	38.83	73.7%	52.67
2003	0.56	1.0%	10.85	19.8%	0.19	0.3%	43.34	78.9%	54.94
Mean	1.21	7.6%	10.36	45.3%	0.19	0.7%	14.81	46.4%	19.64

4.4.6.1.1 Focus on scallop fishing in the state of Maine

In the late 19th and early 20th century the sea scallop fishery primarily took place in near shore waters within the Gulf of Maine (Smith, 1891). In 2005, a final report was published on monitoring and enhancement in the Maine scallop fishery (Schick and Feindel, 2005). The report explains that fishermen from Maine have pursued the scallop fishery since the mid 1880s. The value of the inshore scallop fishery in Maine is generally among the top ten valued marine species for the state, and under certain market and resource conditions its overall value has been second only to lobster. The report also explains that the scallop fleet in Maine is very diverse including lobstermen, draggers, and divers. Some vessels are very mobile and fish in areas outside the Gulf of Maine, while many others stay in local waters. Figure 38 summarizes scallop landings and revenues from Maine state dealers from 1950 through 2004 (preliminary). Note that reporting by state dealers is voluntary in the state of Maine, so these values may not capture all landings.

Figure 38 – Summary of scallop landings and revenues reported through Maine state dealers



The primary management measures within state waters in Maine are: 1) a fishing season that is 4.5 months in length (December 1 to April 15); 2) a shell height minimum of 4inches, and 3)

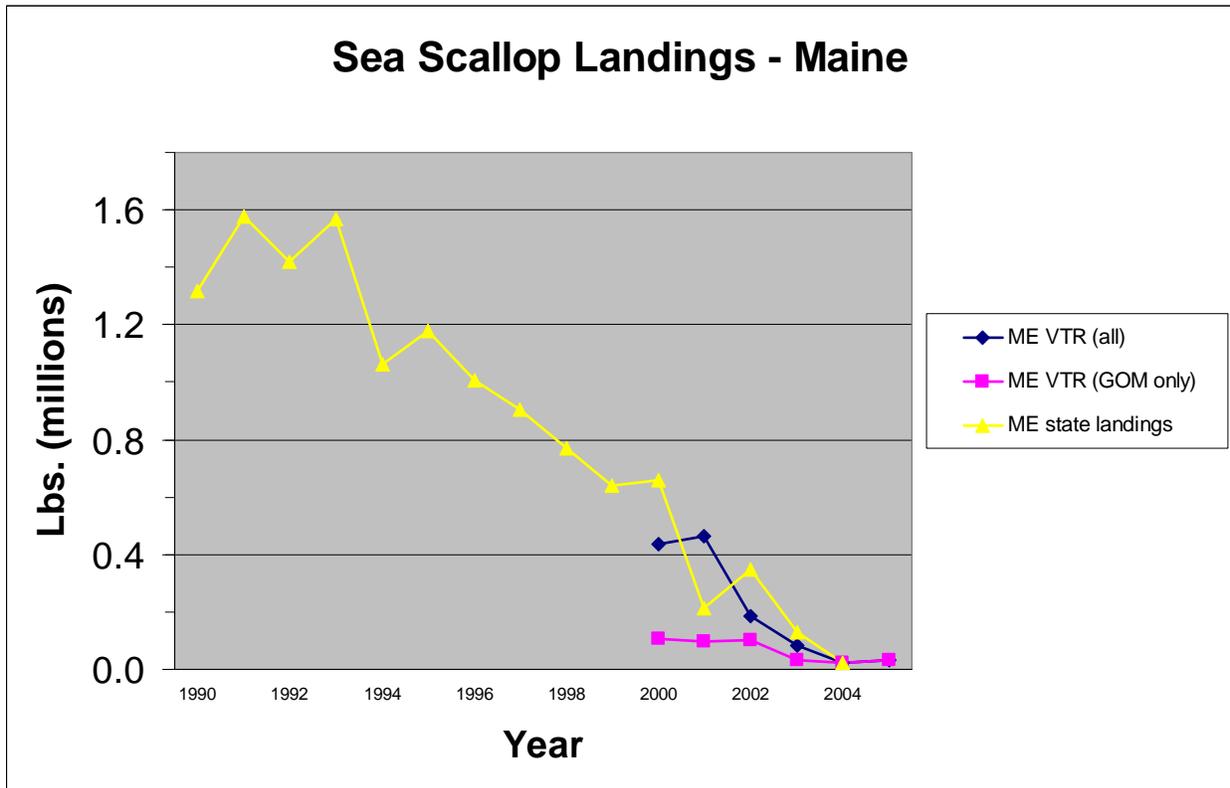
several gear restrictions including a 3.5 inch minimum ring size and max dredge width of 10 ft. 6 in. (smaller in some areas). Vessels fishing within state waters are not restricted by the 400 pound possession limit, but average landings per trip within state waters in Maine are lower than 400 pounds. In fact, according to port sample data from the Schick and Feindel report, average landings per trip was 57 pounds of meat for draggers (ranging from 2-180 pounds), and 38 pounds of meat per trip for divers (ranging from 2-140 pounds per trip per diver).

Vessels from Maine with a federal permit are required to report landings through VTR. However, vessels from Maine that do not have a federal permit and only fish in state waters are not required to report landings; state dealers report landings on a voluntary basis. Table 56 summarizes landings that have been reported by vessels from Maine through VTR, as well as total landings voluntarily reported by Maine state dealers (these figures include landings from limited access vessels from Maine).

Table 56 – Scallop landings from vessels homeported in Maine (ME VTR = federal vessels caught in all areas; ME VTR GOM only = landings from federal vessels caught in statistical areas 464, 465, 467, 511, 512, 513, 514, and 515; ME state landings = landings reported voluntarily by Maine state dealers

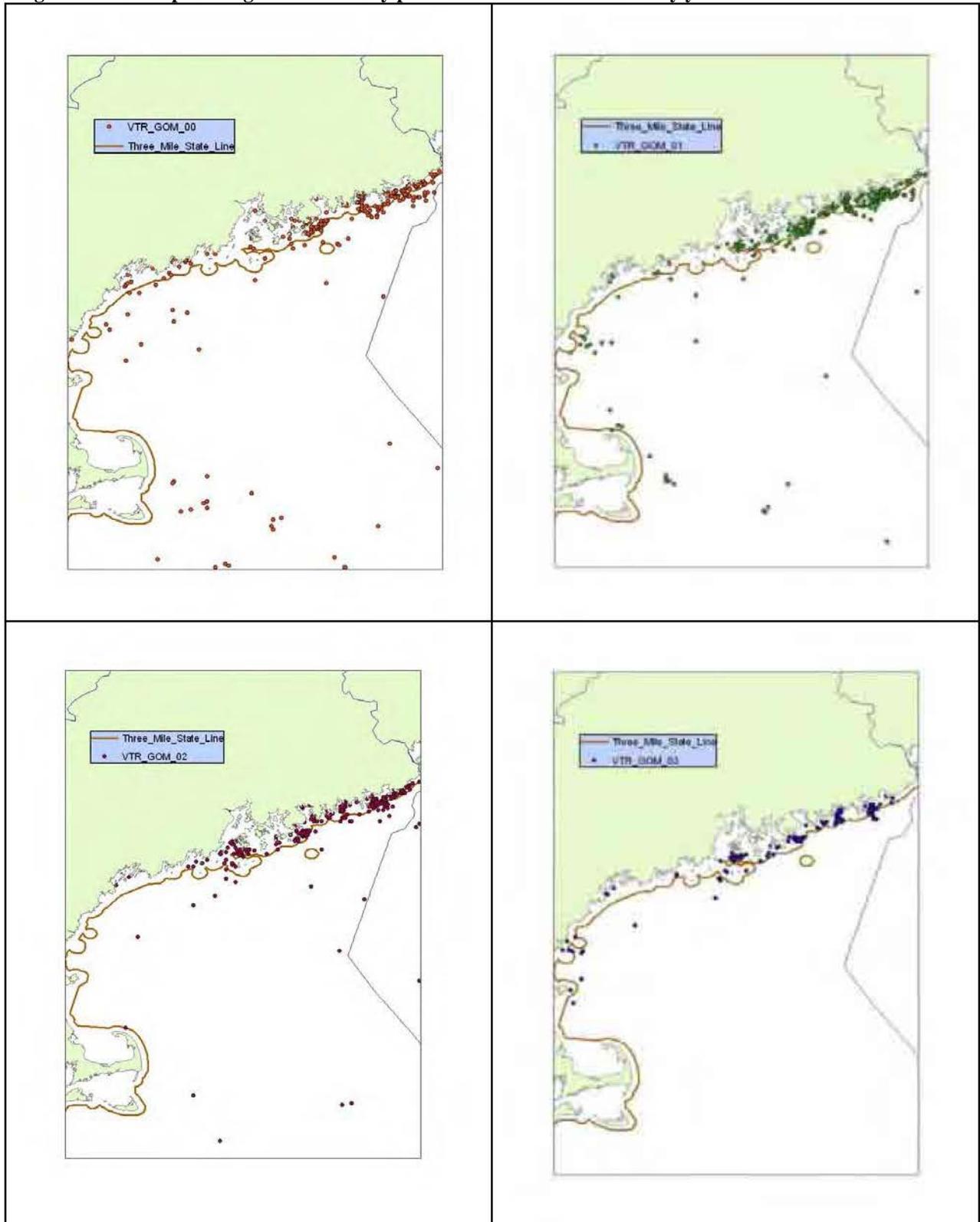
	ME VTR (all)	ME VTR (GOM only)	ME state landings
1990			1315773
1991			1579577
1992			1419839
1993			1566321
1994			1063608
1995			1177506
1996			1008329
1997			905137
1998			771471
1999			641692
2000	436556	105586	658568
2001	465603	97776	211558
2002	187041	101235	348470
2003	81602	31199	131849
2004	24852	23053	21433
2005	33804	31654	

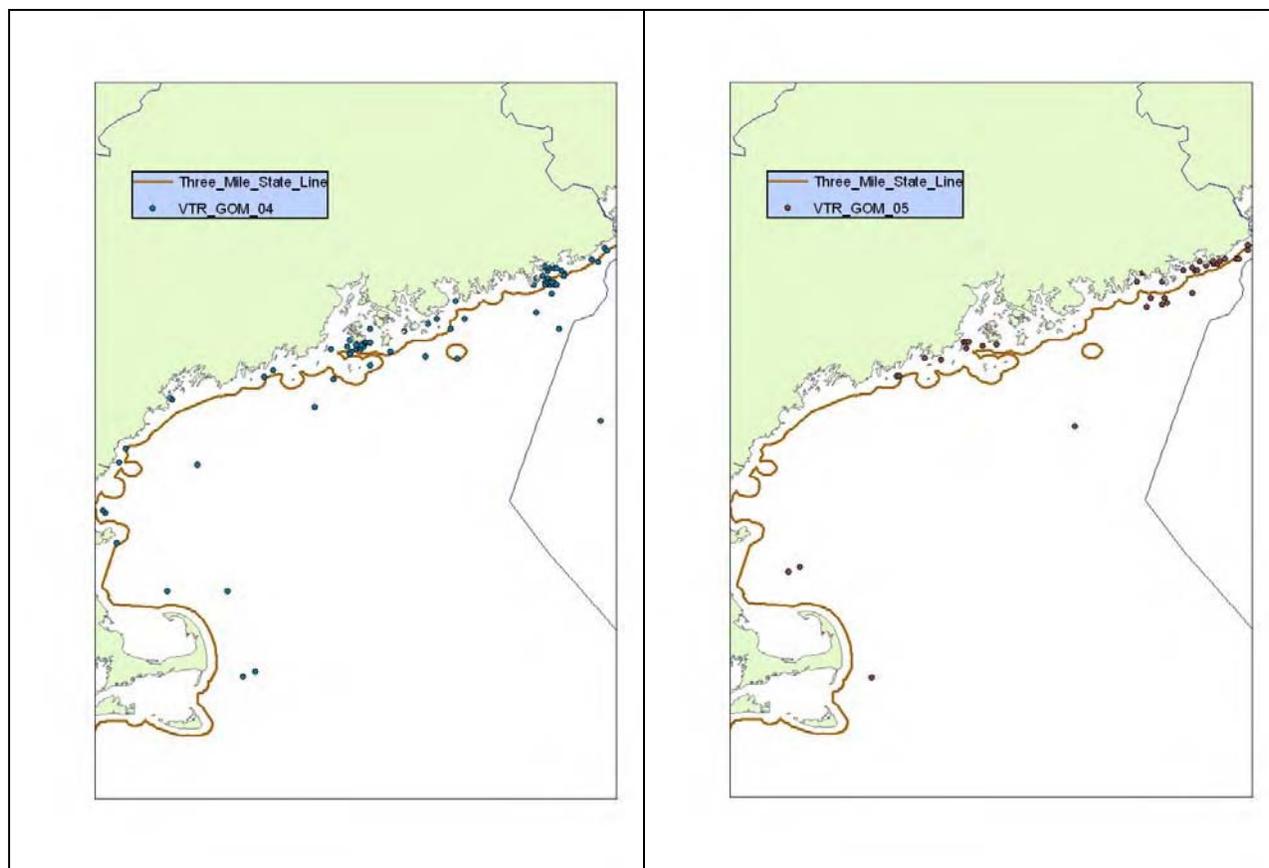
Figure 39 – Scallop Landings from vessels in Maine (federally permitted and state vessels)



VTR data from vessels homeported in Maine are plotted in the figures below from calendar years 2000-2005 (Figure 40). These data include both limited access and general category vessels. When considering these figures it is important to note that about one-third of the records did not have a location that could be plotted (no latitude/longitude recorded); therefore these figures do not represent the location of all landings by federal vessels from Maine, only landings where a vessel reported location. The majority of records with a reported location are within Maine state waters. The statistical areas that had the highest number of trips for all years combined for these years were 511, 512, 513, 467 and 521.

Figure 40 – Scallop landings from federally permitted vessels from Maine by year 2000-2005

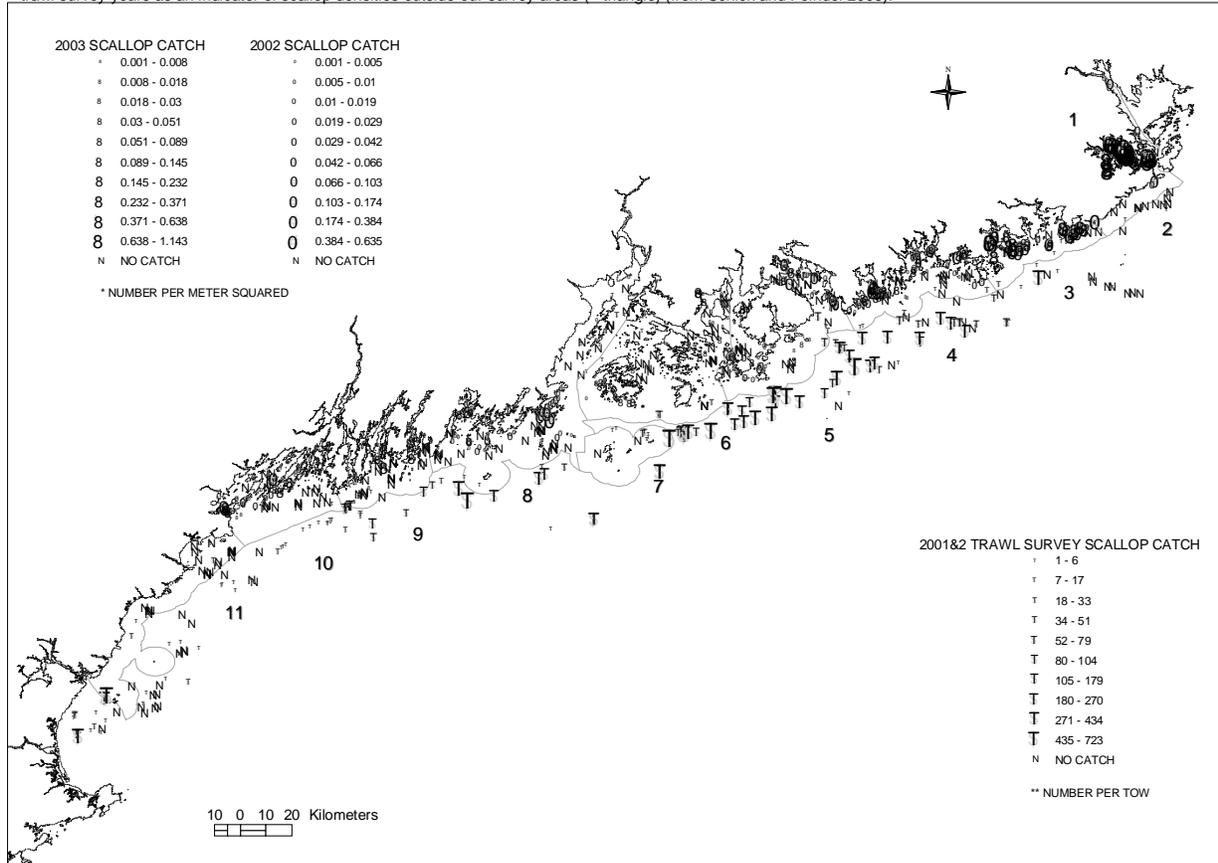




Maine DMR began a fishery-independent survey of the Maine nearshore scallop fishery in 2002. Schick and Feindel (2005) describe survey rationale, objectives, methodology and results in detail. A portion of the survey was designed to conduct a stock assessment of the Maine nearshore area which is currently most productive and also subject to special regulations (Cobscook Bay). Distribution and relative abundance of scallops from this survey are shown in Figure 41. The resource appeared healthiest in zones 1 (Cobscook Bay, which also had high seed density) and 3 (Machias Bay). Zone 4 (Gouldsboro Bay) was marked by intermediate catches relative to what was known anecdotally about past abundance, and Zones 5 and 6 (Mt. Desert Is. and Stonington) had poor abundance relative to past history from fishermen. The resource in Zones 7-10 (Isle au Haut to Casco Bay) was variable and patchy in terms of density and seed occurrence.

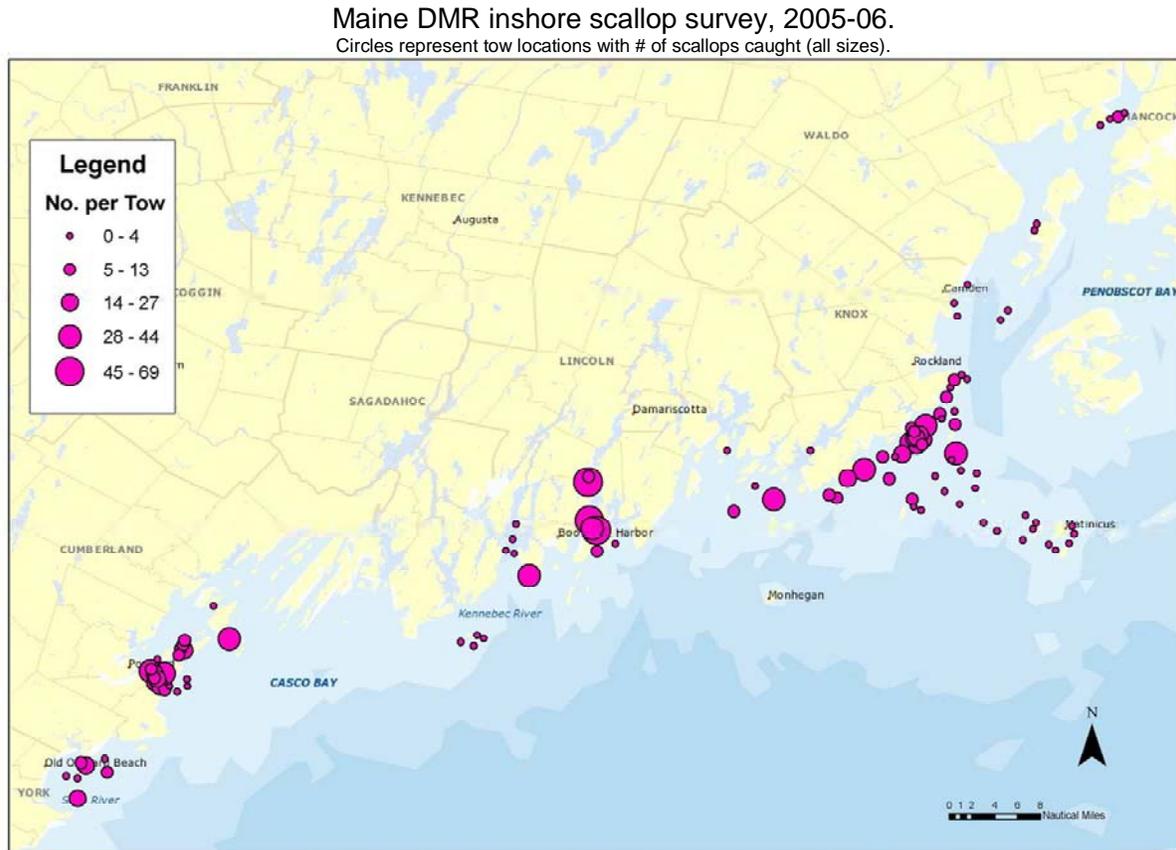
Figure 41 – Maine DMR Inshore Scallop Survey (2002-03)

Summary of coastwide abundance data and survey coverage for 2002 and 2003 (Maine DMR Inshore Scallop Survey). Also shows scallop data for 2001 and 2002 trawl survey years as an indicator of scallop densities outside our survey areas (= triangle) (from Schick and Feindel 2005).



The survey was updated in fall 2005-spring 2006 (Figure 42) in the western section of the coast (Zones 8-11) and will be continued in fall 2006 in the eastern section of the coast (Zones 1-7), including Cobscook Bay.

Figure 42- Updated Maine DMR Inshore Scallop Survey (2005-06)



4.4.7 Cost of fishing in the sea scallop fishery

This section provides information on the variable and fixed costs of fishing for both general category and limited access vessels. Fishery management measures not only affect the level of landings and prices of fish, but also have an impact on the trip and operating costs of fishing. The restrictions on the number of days-at-sea vessels can fish in a given year, or on the number of trips they can take to certain areas, and/or the restrictions on the number of crew they can employ are examples of measures that can reduce or increase those expenses. Since costs constitute a fundamental part of the producer surplus, crew shares and profits, the evaluation of net national benefits and the analysis of economic impacts on vessels require an estimation of these costs.

4.4.7.1 Variable Costs

Variable and fixed costs for the general category scallop vessels were updated using the observer cost data for the 2002-2005 period. All the costs were adjusted for inflation and expressed in 2004 prices. There were a total of 342 observations included in the data for 105 unique vessels with general category permit, of which 55 were scallop dredge and 50 were trawl vessels. Most of the data were collected in 2005 (235 observations) as shown in Table 57.

The variable costs for a scallop vessel are defined as those expenses that increase or decrease with the level of fishing activity. The trip costs include food, ice, water and fuel, and are usually paid by crew in the scallop fishery out of their shares from the gross stock. Other variable costs include trip costs, expenses on gear and supplies. Average trip costs, including food, fuel, oil, ice, water, and fishing supplies, amounted to \$328 per day-at-sea in 2005. It is difficult to reach a conclusion regarding the trends in trip costs over time since a different number of vessels with varying gross tonnage and horsepower were included in the cost data for each year. For example, observer data for 2002 included only 4 small general category vessels with an average 15 gross tons, considerably smaller than the 87 general category vessels included in 2005 sample avergaing 79 gross tons. However, there has been an increasing trend in the fuel costs per DAS as the fuel prices almost doubled in 2005 as compared to 2002-03 fishing years. As a result, the share of fuel costs amounted to 89% of trip costs in 2005.

Table 57. Trip characteristics per general category vessel during 2002-2005 (in 2004 inflation adjusted prices)

Data	Year				Average of 2002-2005
	2002	2003	2004	2005	
Number of observed trips	5	6	96	235	342
Number of unique vessels	4	4	42	87	137
GRT	15	59	59	79	70
HP	310	431	424	449	437
Crew	3.0	2.5	3.0	3.2	3.1
DAS per trip	1.3	1.4	1.5	1.7	1.6
Scallop lb. per trip	317	358	424	371	383
Scallop lb. per DA	283	274	247	233	241
Average fuel costs per DAS (\$)	50	152	202	283	247
Fuel costs as a % of total trip costs	64%	79%	86%	89%	87%
Average of food costs per DAS (\$)	19	28	18	24	22
Other trip costs (Ice, water, supply, oil)	11	13	19	21	20
Average trip costs per DAS (\$)	80	193	238	328	289
Average fuel price (nominal)	1.0	1.0	1.5	2.1	1.9

Using annual PPI for the fish year for all finished goods (used seasonally adjusted monthly numbers to derive PPI for the fish year).

Table 58. Trip costs by gross tonnage during 2001-2005 (in 2004 inflation adjusted prices)

Data	Gross tonnage		
	Less than 50 GRT	50-99 GRT	100 GRT or larger
Number of vessels	61	27	49
GRT (average)	26	72	125
HP (average)	381	400	547

Crew (average)	3	3	4
DAS per trip (average)	1.3	1.8	1.9
Average fuel costs per DAS (\$)	193	292	290
Average total trip costs per DAS (\$)	224	332	324

Table 59. Trip costs per limited access vessels during 2002-2005

Data	Year				Average of 2001-2005
	2002	2003	2004	2005	
Number of observed trips	37	74	151	105	367
Number of unique vessels	26	49	103	84	262
GRT	156	161	151	144	151
HP	815	827	792	769	794
Crew	7	7	7	7	7
DAS per trip	9	12	9	8	9
Scallop lb. per trip	12,097	17,239	17,521	15,947	16,382
Scallop lb. per DA	1,150	1,473	1,925	1,511	1,625
Average fuel costs per DAS (\$)	428	535	562	768	605
Fuel costs as a % of total trip costs	59%	64%	63%	70%	65%
Average of food costs per DAS (\$)	170	153	157	180	164
Other trip costs (Ice, water, supply, oil)	132	147	177	147	158
Average total trip costs per DAS (\$)	730	835	896	1094	928
Average fuel price (nominal)	1.0	1.1	1.4	2.1	1.5

Table 60. Trip costs per limited access vessel during 2002-2005

	Data	Year			
		2002	2003	2004	2005
Less than 100 grt	Number of unique vessels	3		8	6
	GRT	88		78	78
	HP	447		476	493
	Crew	5		6	6
	DAS per trip	10		5	5
	Average fuel costs per DAS (\$)	285		422	618
	Average total trip costs per DAS (\$)	469		675	811
100 to 149 GRT	Number of unique vessels	6	14	39	25
	GRT	131	128	131	130
	HP	749	618	610	594

	Crew	7	7	6	6
	DAS per trip	8	9	8	8
	Average fuel costs per DAS (\$)	415	434	488	669
	Average total trip costs per DAS (\$)	721	662	782	1,036
150 GRT or larger	Number of unique vessels	15	29	47	34
	GRT	184	180	178	178
	HP	945	960	965	1,012
	Crew	7	7	7	6
	DAS per trip	10	13	10	10
	Average fuel costs per DAS (\$)	462	584	647	923
	Average total trip costs per DAS (\$)	755	895	955	1,157

4.4.7.2 Fixed Costs

The fixed costs include those expenses that are not usually related to the level of fishing activity or output. These are insurance, maintenance, license, repairs, office expenses, professional fees, dues, and utility, interest, and dock expenses. The expenses on insurance, maintenance, repairs and replacement of engine, electrical and processing equipment, gear and other equipment are collected by observer data since 2001 and provided by Economic Analysis Division of Northeast Fisheries Science Center, Woods Hole. There are unfortunately only 40 scallop vessels in the dataset that had data for all of these items. The data for these vessels, most of which were limited access vessels, are shown in **Table 61**. Average fixed costs for these vessels are about \$160,486. Because of the small sample of vessels, it is not possible to reach a conclusion regarding the trends in fixed costs since 2001. It must be cautioned that these costs do not include interest payments on mortgage, and a variety of other expenses such as office expenses, accounting and bank fees. Therefore, actual fixed costs of vessels could be higher than these numbers shown in the following Tables.

Table 61. Annual fixed costs for general category scallop vessels by year (for active vessels only). 2004 prices

Data	2002	2003	2004	2005	2002-05 Average
Number of vessels	26	40	90	143	299
GRT	65	81	81	84	81
HP	384	433	444	461	445
Insurance (\$, in 2004 prices)	15,694	20,197	22,103	24,968	22,661
Maintenance (\$, in 2004 prices)	27,878	24,200	30,796	29,434	29,008
Repairs and replacement (\$, in 2004 prices)	31,647	29,866	32,312	27,364	29,561
Total fixed cost (\$ in 2004 prices)	75,218	74,263	85,211	81,767	81,230

Note: only those observations for which data on all items, i.e. insur, maint. and repairs was available included in these Tables. A few outliers are eliminated.

Table 62. Annual fixed costs of active general category vessels by ton class 2002-05 average, 2004 prices

Data	<=50 GRT	51-100 GRT	101-150 GRT	>150	Grand Total
Number of vessels	114	68	89	28	299
GRT	24	77	129	166	81
HP	338	383	553	690	445
Maintenance (\$ in 2004 prices)	8,144	22,071	36,006	40,782	22,661
Repairs (\$ in 2004 prices)	13,605	31,617	44,101	37,417	29,008
Insurance (\$ in 2004 prices)	21,425	23,081	43,940	32,713	29,561
Total fixed cost (\$ in 2004 prices)	43,174	76,768	124,047	110,912	81,230

Table 63. Annual fixed costs for limited access scallop vessels by year (for active vessels only), 2004 prices

Data	2002	2003	2004	2005	2002-05 Average
Number of vessels	11	24	35	27	97
GRT	153	154	145	158	152
HP	753	792	756	821	783
Insurance (\$, in 2004 prices)	30,194	47,756	51,381	54,603	48,978
Maintenance (\$, in 2004 prices)	54,147	66,420	39,861	60,172	53,706
Repairs and replacement (\$, in 2004 prices)	62,893	86,124	60,495	39,098	61,152
Total fixed cost (\$ in 2004 prices)	147,234	200,299	151,737	153,873	163,836

Table 64. Annual fixed costs of limited access scallop vessels by ton class 2002-05 average, 2004 prices

Data	51-100 GRT	101-150 GRT	>150	Grand Total
Number of vessels	7	37	53	97
GRT	89	130	175	152
HP	406	689	897	783
Maintenance (\$ in 2004 prices)	23,751	44,505	55,433	48,978
Repairs (\$ in 2004 prices)	28,490	52,980	57,543	53,706
Insurance (\$ in 2004 prices)	106,736	51,519	61,857	61,152
Total fixed cost (\$ in 2004 prices)	158,977	149,005	174,832	163,836

Table 65. Annual fixed costs of full-time limited access scallop vessels by ton class 2002-05 average, 2004 prices

Data	101-150 GRT	>150	Grand Total
Number of vessels	28	50	78
GRT	130	175	159
HP	715	889	827
Maintenance (\$ in 2004 prices)	48,963	55,459	53,127
Repairs (\$ in 2004 prices)	52,562	54,411	53,747
Insurance (\$ in 2004 prices)	60,006	55,748	57,277
Total fixed cost (\$ in 2004 prices)	161,531	165,618	164,151

4.5 OTHER FISHERIES

4.5.1 Other fisheries general category vessels are involved in

The general category fleet is heterogeneous and most vessels have other federal permits. Table 66 describes the number of permits in other fisheries held by general category IB permit owners for application year 2005. Furthermore, Table 67 describes the percent of general category vessels that have other permits by fishery. About three quarters of all general category vessels in 2005 had one of the following permits, bluefish, dogfish, monkfish, multispecies and/or a squid-mackerel butterfish permit.

Table 66. Other permits held by General category vessels with 1B permits during the 2005 application year

PLAN	Total
Bluefish	662
Black sea bass	225
Dogfish	673
FLS	307
Herring	543
Lobster	689
Monkfish	701
Multispecies	721
Ocean quahog	475
Red crab	429
Scallop	2
GC Scallop 1A	651
Scup	250
Summer flounder	484
GC Scallop 1B	836

Table 67 - 2005 permits held by General Category scallop vessels

Plan	%	Plan	%	Plan	%
Bluefish	78.0	Lobster (LOI)	0.04	Scup	27.6
Black Sea Bass	27.1	Monkfish	76.4	Skates	64.9
Dogfish	76.7	Multispecies	78.5	Surf Clam	53.0
Summer Flounder	29.2	Ocean Quahog	51.8	Squid-Mackerel-Butterfish	73.9
Herring	61.7	Red Crab	41.6	Tilefish	53.7
Lobster (LO)	52.7				

Source: NE Permit Data.

Table 40 summarizes the trip characteristics of general category vessels from 2005. In general, most trips directed on scallops (over 50% or more of total fish landed per trip). When the percent of scallop pounds landed was lower (0-25%) other species these vessels landed were higher per trip such as groundfish, monkfish, and fluke. In terms of dependence on other fisheries, Table 37 and Table 38 summarize the landed value of all species from general category vessels from New England and the Mid-Atlantic. For New England, scallops were a small percent of total landings until 2005 (7.5%) and 2006(10.3%). Consistently higher species in terms of percent of total landed value have been cod and monkfish. For the Mid-Atlantic, scallops have increased dramatically in terms of the overall landed value for vessels homeported in this region. In 2004, about 10% of all landed species were scallops, it rose to about 30% for 2005, and so far for 2006 it is about 44%.

In terms of revenue, Table 28 through Table 30 summarize the percent of total revenue from scallops for general category vessels and revenue from other fisheries. The majority of the active scallop vessels derived 10% or less of their total revenue from scallops, whereas an increasing number of vessels earned 90% or more of their fishing revenue from scallops in the recent years. Only 26 vessels; however, landed 30,000 lb. or more scallops during 2004 with an average of 96% dependence on scallop income.

Table 198 describes the composition of revenue for general category vessels, based on their total revenue from scallops. For example, on average, vessels that make less than 10% of their total revenue from scallops have revenue in other fisheries such as multispecies, loligo squid, clam, etc. There is also a significant number of vessels that depend on scallops for over 90% of total income. For fishing years 2001-2005 the number of vessels with over 90% dependence on scallops has increased from 76 to 483.

4.5.2 Other fisheries limited access vessels are involved in

By looking at the different permits that limited access scallop vessels hold is one way to indicate the range of fishing activities that they either do or may participate in, given changing biological or regulatory conditions. Table 18 shows the other fishery permits held by scallop vessels. Actual fisheries participation varies considerably by scallop permit type. For full-time vessels, scallops account for 96% of catch value in 2003 (Figure 43). This drops to 60% for part-time vessels (though scallops are of increasing importance) and 2% for occasional vessels in 2003 (Figure 44, Figure 45). For the general category, scallops accounted for 13% of their catch value in 2003 (Figure 46). All these vessels, with the exception of the full-time limited access vessels, show the kind of flexible pattern of fishing often associated with “traditional” or smaller-scale.

Table 18. Other Fishery Management Plan permits held by scallop fishing category (% of permits in 2003)

Scallop Permit Category	Black Sea Bluefish	Bass	Summer Dogfish	Flounder	Herring	Lobster	Multi-species	Monk-fish	Ocean Quahog	Scup	Surf Clam	Squid-Mackerel-Butterfish	Tilefish	Red Crab	Skates
General Category	79	28	76	30	62	56	80	76	53	28	54	75	51	37	62
Fulltime Dredge	85	30	95	85	65	67	94	100	75	28	78	89	80	57	79
Parttime Dredge	75	75	100	100	50	100	100	100	25	75	25	100	75	25	100
Occasional Dredge	50	0	50	0	0	100	100	50	50	0	50	50	50	0	100
Fulltime Small Dredge	89	60	89	81	72	60	96	98	66	66	64	91	68	64	74
Parttime Small Dredge	87	74	91	91	65	35	83	91	65	70	70	91	78	61	83
Fulltime Net	93	86	93	86	79	43	93	100	50	57	57	86	57	57	64
Parttime Net	100	67	100	100	67	33	67	100	33	33	67	100	67	67	67
Occasional Net	80	100	80	100	100	100	80	100	100	100	100	100	80	60	80

Figure 43. Value of species landed by full-time limited access vessels in 1994 -2004 fishing years.

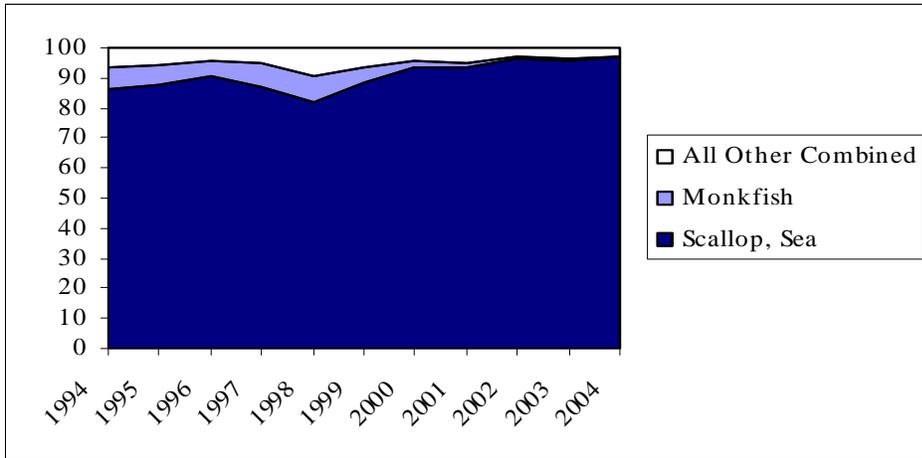


Figure 44. Value of species landed by part-time limited access vessels in 1994 -2004 fishing year

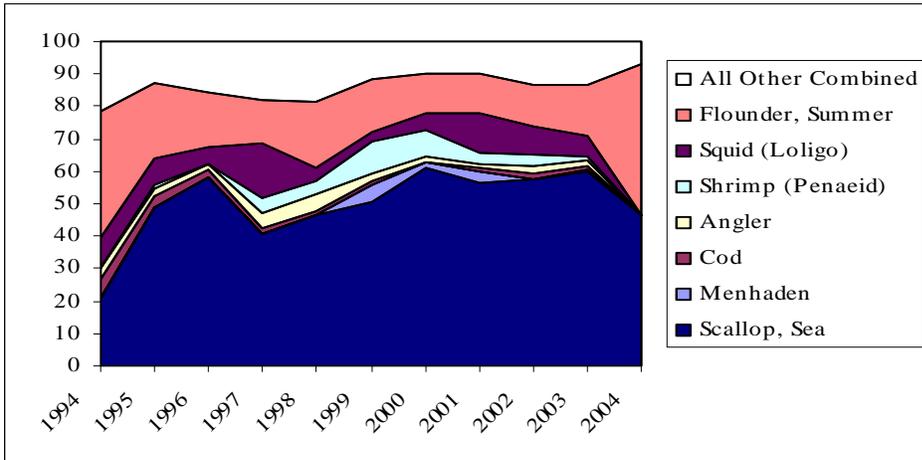


Figure 45. Value of species landed by occasional limited access vessels in 1994 -2004 fishing year

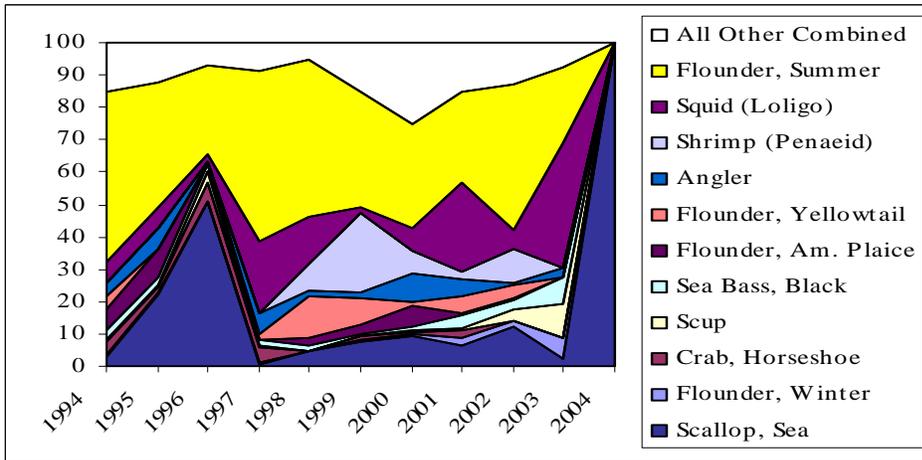
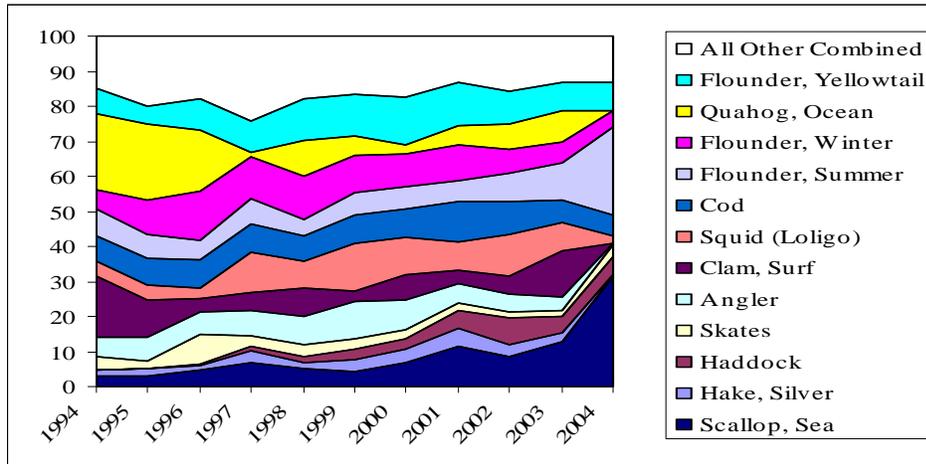


Figure 46. Value of species landed by general category vessels in 1994 -2004 fishing year



4.5.3 Non-target species and bycatch

Non-target species, or bycatch include species caught by scallop gear that are not landed, including small scallops. The impacts of the scallop fishery on bycatch have been minimized to the extent practicable. Amendment 10 analyzed the impacts of new management measures (ring size, larger twine top, open area DAS, etc.) on bycatch, relying mainly on recent gear surveys and the general relationship between total area swept and bycatch. In general, the larger twine top mesh allowed greater escapement of many but not all finfish species with minor losses of sea scallops (particularly in areas having larger scallops). The effects of the increase to a 4” minimum ring size were assessed for various species observed in field trials, but the major effect came from a greater efficiency in catching scallops over 110-120 mm. Efficiency was forecast to increase by about 10-15%, reducing area swept by the same amount. Since most species were caught incidentally less frequently in dredges with larger rings and efficiency improved in most areas, Amendment 10 estimated that bycatch would decline, particularly in areas having most scallops larger than 110-120 mm. The increase to a minimum 4” ring in all areas did not occur until December 2004, however. Amendment 10 also estimated that the reductions in open area DAS would also reduce total area swept and increase scallop LPUE, particularly of larger scallops in the long-term. Appendix IX of Amendment 10 details scallop and finfish bycatch estimates in the scallop fishery (<http://www.nefmc.org/scallops/index.html>).

Framework 16/39 estimated the total bycatch of many finfish species from observed trips taken in controlled access areas. It also estimated the amount of sampling needed in each area to estimate the total bycatch of a given species with various levels of precision. In general, rotational area management is designed to improve and maintain high scallop yield, while minimize impacts on groundfish mortality and other finfish catches. Access programs may even reduce fishing mortality for some finfish species, because the total amount of fishing time in the access areas is very low compared with fishing time in open areas. See Sections 6.1.1.2 and 6.1.1.3 of Framework 16/39 for more information about the expected impacts on bycatch from that action. Catches of regulated species in the access areas were expected to be less than 10% of the overall TAC in the Multispecies FMP. This amount is less than a level that the Groundfish PDT identified as having a possible repercussion for meeting the groundfish

mortality targets and having an effect on rebuilding overfished groundfish stocks. Many of the impacts are expected to be similar for Framework 18 since this that action implemented similar specifications for rotational area management in similar areas for fishing years 2006 and 2007.

Groundfish Mortality Closed Areas

The groundfish closed areas were originally established to reduce the effects of fishing on spawning cod and haddock, in particular Closed Areas I and II. Peak spawning activity occurs in February to April, coinciding with the original seasonal closures. After spawning, these fish often disperse to other areas during their annual migration. Yellowtail flounder is another species that was intended to be protected by the groundfish closed areas. The Georges Bank stock is predominately found on the southeastern and northwestern portions of Georges Bank, overlapping the proposed access areas in Closed Areas I and II. Unlike spawning cod and haddock, however, yellowtail flounder tend to remain in these locations year around. The Southern New England stock of yellowtail flounder was one of the primary intended beneficiaries of the Nantucket Lightship Area. Most of this stock occurs in the portions of the Nantucket Lightship Area that will remain closed to scallop fishing, or in other areas of Southern New England and the Mid-Atlantic region where scallop fishing occurs in open areas. More details about the biological characteristics of groundfish species in the closed areas is provided in the FSEIS for Amendment 13 to the Multispecies FMP.

The biological characteristics of other species found in the groundfish closed areas and the proposed access areas can be found in the Skate FMP and Monkfish FMP EIS documents. In general, several skate species are often found in the proposed access areas. The Skate FMP identified the conservation associated with the groundfish closed areas to be an important component of limiting mortality on skates. Although monkfish inhabit and are caught in the groundfish closed areas, the center of the monkfish distribution is in the Gulf of Maine to the north, and in deeper waters off Southern New England to the west.

Appendix V of Framework 18 summarizes the spatial and temporal distribution of observed hauls and also summarizes the mean catch rates (lbs/hr) of commonly observed species in scallop dredge incidental catches. Recently, NMFS has increased sea sampling on trips made by scallop vessels using dredges. Since 1999, sea sampling in access areas had been enhanced by an industry-funded TAC set-aside program. During this time, 584 scallop trips and 31,230 tows had been observed. NMFS also increased sampling on open area trips, particularly in the Mid-Atlantic, in response to new observations of interactions with sea turtles in the Hudson Canyon Area (on access area trips using observers funded by the TAC set-aside). Sampling increased from 26 trips and 1,348 tows in 2002 to 77 trips and 4,896 tows in 2003, enabling NMFS to estimate the total incidental captures of sea turtles during 2003. Sampling again increased to 173 trips and 8,100 tows in 2004, almost and eight-fold increase from the sampling level during 1992 to 2002.

5.0 ENVIRONMENTAL IMPACTS

The impacts of the alternatives on different aspects of the affected environment are described below. The various impacts on the scallop resource are described in Section 5.1 and the expected impacts on the physical environment and EFH are summarized in Section 5.2. In addition, the impacts on threatened, endangered and other protected species are summarized in Section 5.3. Section 5.4 includes the economic analyses and Section 5.5 summarizes the social impacts of alternatives under consideration. Lastly, Section 5.6 summarizes other impacts including impacts on non-target species, other fisheries, and enforcement and safety. The cumulative effects of the alternatives considered in this action on all of these valued ecosystem components (VECs) combined is summarized in Section 5.7.

A summary of the impacts of the proposed action are included in the Executive Summary. Detailed analyses of each of the proposed alternatives can be found within the analyses section below by VEC. The proposed action is noted in boldface.

5.1 IMPACTS ON SCALLOP RESOURCE

5.1.1 Measures to control capacity and mortality in the general category scallop fishery

5.1.1.1 No Action

Under this alternative, the general category fishery would remain an open access fishery. No changes to the current permit system for the general category scallop fishery would be implemented under this alternative.

Based on recent trends in the general category fishery, this alternative makes it difficult for the Scallop FMP to prevent overfishing (Alternative 3.1.1). The general category fishery is open access, and if conditions are right in terms of scallop price and availability of resource relatively close to shore, the only limit on general category effort is a possession limit. Currently, approximately 3,000 general category open access permits exist, and these permits could be used to fish for scallops under general category rules 365 days a year (2,950 permits for FY2005). Since Framework 17, a general category vessel is required to have VMS if they want to land more than 40 pounds of scallop meats. This could reduce the number of vessels permitted to land up to 400 pounds a day, but there is nothing in the regulations preventing any vessel from getting a general category VMS permit. Therefore, the capacity and fishing mortality of this portion of the scallop fishery could exceed what is estimated by the management program and risk overfishing of the resource.

The Scallop PDT is able to predict mortality associated with overall catch of scallops. The estimated used for catch per day for the limited access component of the fishery have improved over time and have been relatively accurate in recent years, but the mortality from the general category fishery is for the most part an educated guess because it is an open access fishery and lack of controls complicates this estimate of effort. Under No Action, there is an increased likelihood that overfishing could occur. Under open access it is very difficult to predict the level of effort from the general category fishery, so it is inevitable that estimations will underestimate

mortality, especially if levels of general category effort continue to increase. For example, if regulations in other fisheries increase and vessels decide to fish under general category to recover revenue lost in other fisheries, this component of the scallop fishery may further expand. The estimate of mortality from the general category fishery for FY2006 ended up being close to what actually occurred for that portion of the fishery, but if the estimate were lower, overfishing would have likely occurred in 2006.

It is difficult to estimate quantitative biological consequences of the No Action alternative because the open access nature of the fishery complicates estimating fishing mortality from this component of the fleet. The Scallop PDT considered running the projections with several estimates of general category mortality under No Action, but any value used would be very subjective. As previously stated, open access may increase the risk that estimates could be inaccurate and that fishing mortality estimates could be exceeded. In addition, this component of the fishery tends to fish in nearshore waters, which are currently below average in terms of scallop abundance. The No Action alternative would not help reduce potential fishing pressure in open areas along the coast and could lead to localized overfishing in those areas. In general, the fishing strategy for a general category vessel is different than a limited access vessel because their cost structure is very different. A larger vessel cannot afford to fish in an area with low scallop abundance so they will move. A smaller vessel has lower costs and may continue fishing in an area where scallops are less abundant. This difference could lead to localized overfishing if smaller vessels can still afford to fish in such areas and there is little control on total mortality from those vessels.

In addition, under the No Action alternative there is limited control on the potential growth of the general category fishery aside from elements outside of the scallop management arena, such as price, opportunity in other fisheries, etc. If effort in the general category fishery increases beyond estimates used in scallop projections for management and that level of effort may lead to overfishing, it is possible that future reductions could be made to reduce impacts on the scallop resource. But those reductions could only occur in future years and the only measure that could be taken to reduce mortality from the general category fishery under No Action would be to reduce the possession limit. Therefore, reductions in mortality would most likely come from the limited access component of the fishery since that component of the fishery is managed with tools (e.g. DAS) that can be reduced to directly reduce fishing mortality.

5.1.1.2 Limited Entry (*proposed action*)

In order to fish under general category rules a vessel would have to qualify for a limited access general category permit. All other vessels that do not qualify would be permitted to fish for scallops under incidental catch rules, unless Amendment 11 changes that provision. Limited entry in and of itself would have positive impacts on the resource as compared to the No Action alternative by reducing the number of potential participants. The alternatives under consideration would reduce the potential pool of participants from several thousand to a much lower number. Depending on which qualification alternatives are selected, the range of potential qualifiers is 143 to 705 (369 under the proposed action). However, if qualifiers are still permitted to fish up to 400 pounds per day 365 days a year, the ability to prevent overfishing from this component of the fishery is reduced.

5.1.1.2.1 Qualification criteria alternatives

Three alternatives are being considered: landings of 100 or more pounds of scallop meat on one trip (Alternative 3.1.2.1.1); annual landings of 1,000 pounds in any fishing year during the qualification time period selected (Alternative 3.1.2.1.2) (**proposed action**); and annual landings of 5,000 pounds in any fishing year during the qualification time period selected (Alternative 3.1.2.1.3).

In terms of impacts on the scallop resource there is no significant difference between these three qualification criteria alternatives relative to each other, provided that the total removal of scallops from the vessels that qualify is the same. For example, more vessels will qualify under the 100 pound alternative, but the total amount of scallops removed from this group of vessels should be the same as the other alternatives. The difference is that each qualifying vessel would be allocated a smaller percent of the total general category TAC, or if a hard TAC is adopted, all qualifiers would be prohibited from landing scallops under general category rules once the TAC is caught. Therefore, the direct impacts of the three qualification criteria alternatives on the scallop resource are minimal.

5.1.1.2.2 Qualification time period alternatives

In addition to the qualification criteria described above, a vessel has to meet the landings criteria during one of three qualification time period alternatives: March 1, 2003 through November 1, 2004 (Alternative 3.1.2.2.1); March 1, 2000 through November 1, 2004 (Alternative 3.1.2.2.2) (**proposed action**); and March 1, 1994 through November 1, 2004 (Alternative 3.1.2.2.3).

In terms of impacts on the scallop resource there is no significant difference between these three time period alternatives relative to each other, provided that the total removal of scallops from the vessels that qualify is the same. Similar to the section above, these three alternatives will influence how many vessels qualify, not directly affecting the scallop resource if additional limits on effort or a hard TAC is adopted. Therefore, the direct impacts of the three qualification time period alternatives on the scallop resource are minimal.

5.1.1.2.3 Determination of qualification amount (contribution factor)

Once the universe of vessels is identified there are two alternatives for determining a final qualification amount for each vessel. One alternative uses a vessel's best year during the qualification time period (Alternative 3.1.2.3.1), and one that uses a vessel's best year but applies an index of years active in the scallop general category fishery (Alternative 3.1.2.3.2) (**proposed action**). There is an additional alternative under this section that would cap an individual's contribution factor at 50,000 pounds (Alternative 3.1.2.3.3).

Since these alternatives only affect the contribution factor used to determine a vessel's access to the resource (allocation), these alternatives will not have direct impacts on the scallop resource.

5.1.1.2.4 Allocation of access for general category limited access qualifiers

The DSEIS includes several alternatives for allocation combined with limited entry. The first system is an individual allocation; an individual amount in pounds (**proposed action**) or total number of trips would be awarded to individual vessels that qualify. The second system would also be an individual allocation, but there would be two permit types (part-time and full-time).

The part-time permit would have a reduced possession limit of 200 pounds, and the full-time permit category would have a possession limit of 400 pounds. All vessels that qualify would receive an equal allocation in pounds or total number of trips depending on which tier they qualify for. The third alternative is a tiered permit system; all vessels that qualify for each tier would receive an equal allocation in pounds or total number of trips, all with a 400 pound possession limit. A fourth stand alone alternative was developed, which is an individual transferable fishing quota system, but all vessels that had a permit before the control date would be given a permit, not just vessels that had landings during the qualification time period. However, a permit that did not have landings history would not be allocated specific access to the fishery, but would be permitted to lease or buy quota from another vessel. Lastly, the Council recommends that an alternative that allocated a fleetwide hard TAC be analyzed, rather than an individual based system. There is also a seasonal hard TAC alternative.

Most of these alternatives include an individual allocation program. The major differences between these alternatives in terms of impacts are mostly economic and social in nature (See Section 5.4.8). In general, the impacts on the scallop resource from all the individual allocation alternatives are expected to be similar because there is a total amount of scallops that is permitted to be removed under each alternative. However, there are potential differential impacts on the scallop resource from a system that allocates in pounds versus trips. If qualifying vessels are awarded access in trips could increase incentive for vessels to change behavior and land up to the maximum 400 pound limit, since the total number of trips would be limited. If some general category vessels only land a more incidental level of scallops now (40-400 pounds), the allocation in trip alternatives may increase effort if these vessels change behavior to land more scallops per trip, thus negative impacts on the scallop resource. This potential increase in effort is limited however because there is a maximum TAC for the entire fleet under both the individual pound and trip alternatives. If the alternative that would enable a vessel to land up to 2,000 pounds per trip were selected (only if the individual allocation alternative was also selected), impacts on the scallop resource may increase because currently the document would only charge a vessel one trip whether it landed 400 or 2,000 pounds. If this remains the case, it would be problematic for the Scallop PDT to be able to estimate mortality from each general category trip if some could be up to 2,000 pounds. Unless that is accounted for then mortality could increase per trip.

A fleetwide hard TAC without limited entry (Alternative 3.1.3) would control mortality in the general category fishery. However, excess capacity would likely result because more vessels would have permits to catch the general category TAC than needed. Even with limited entry there still could be excess capacity (especially with the 400 pound possession limit), but to a much less degree because the total number of vessels is limited. Hard TACs without limited entry can have negative impacts of derby fisheries, see Section 5.4.9 for a discussion of these impact on the fishery. If the fleetwide hard TAC with limited entry is divided up by quarter (Alternative 3.1.2.4.7 Option A) or trimester (Option B) that will improve negative impacts of a derby fishery, but depending on when the quarters/trimesters are defined could have an impact on the scallop resource. For example, meat weight varies as much as 20% per year, so mortality could be higher if the quarterly hard TAC is not divided to reflect that change in meat weight. However, since the quarters/trimesters are going to be divided based on historical landings, then the periods of time with higher meat weights (spring and summer) are probably reflected in the

breakdown of quarterly/trimester landings, so potential impacts on scallop mortality from allocating more TAC in a season with lower meat weights is reduced.

5.1.1.2.5 Limited entry permit provisions

This amendment will consider measures to govern activities such as vessel sales, limited access permit transfers, permit splitting, changes to vessel size, and establishment of vessel baselines to evaluate changes to vessel size, etc.. These measures would apply to all general category permits that qualify for limited access if limited access is adopted under Amendment 11.

The alternatives under consideration for limited entry permit provisions are not expected to have any direct impacts on the scallop resource. There are alternatives related to vessel upgrade restrictions, which could allow a vessel to increase its fishing power (Alternative 3.1.2.5.2.1 and Alternative 3.1.2.5.2.2), but if this action also limits the total harvest of limited entry qualifiers, then these alternatives would not ultimately impact the scallop resource. Likewise, there is an alternative that could potentially qualify more than one vessel for a limited entry general category permit from one vessel (Alternative 3.1.2.5.1.2). While this alternative could increase capacity, if the total fishing mortality for the general category fishery is limited (i.e. hard-TAC) then there should be no additional impacts from this alternative on the scallop resource. See Table 1 for the permit provisions that are part of the proposed action (shaded).

5.1.1.2.6 Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear

These alternatives reduce incentive for qualifying vessels to target scallops with trawl gear. The Scallop PDT analyzed VTR data from 2005 for trips landing scallops with trawl gear. Many trips where scallops were landed using trawl gear were targeting other species; however the majority of general category trips using trawl gear were targeting scallops. In summary, when general category vessels with trawl gear were targeting other species like groundfish, monkfish, skate, squid and scup, about 50% of the trips landed less than 300 pounds per trip. In fact, for many of the other species, average scallop landings were lower. Table 68 summarizes the average scallop landings per trip by target species for general category vessels using trawl gear.

Table 68 - Percentiles of scallop landings per trip by target species for general category vessels using finfish trawls.

Target species or group	Trips	Vessels	Percentile						
			5%	10%	25%	50%	75%	90%	95%
Yellowtail flounder	152	68	50	60	114	231	369	400	400
Groundfish	163	69	45	50	65	100	150	380	400
Summer flounder	178	59	50	63	111	300	340	394	400
Skate	37	18	68	80	100	273	396	400	400
Monkfish	91	54	50	50	100	206	347	400	400
Scallops	2778	84	50	220	300	300	398	400	400
Scup	14	6	26	31	79	275	324	400	400
Loligo	9	7	59	73	150	300	300	314	342
Lobster	1	1	*	*	*	*	*	*	*
All	3423	203	50	97	286	300	395	400	400
All but scallops	645	160	50	50	90	180	340	400	400

Alternative 3.1.2.6.2 was developed to prevent an expansion in general category scallop effort using trawl gear and Alternative 3.1.2.6.3 was developed to reduce incentive to fish for scallops

with trawl gear. Trawl gear is believed to have greater impacts on scallop mortality because it is capable of catching smaller scallops. Based on comparative fishing experiments between scallop trawl and dredge gear in 1997 and 1998 in the Mid-Atlantic, trawl vessels were found to be more efficient at catching sea scallops less than 90mm and dredge gear is more efficient at catching larger scallops (Rudders et al, 2000). The trawl vessels in this study caught and kept smaller scallops; therefore by reducing incentive to fish for scallops with trawl gear could reduce mortality. Since dredge gear is more efficient at catching larger scallops, fewer scallops are harvested to reach the same overall poundage of scallop meat. The differences in relative harvest efficiency may be explained by behavioral characteristics of the sea scallop. Smaller scallops (less than 100mm) have been found to be highly mobile (Caddy, 1968, Dadswell and Weihs, 1990), and as a dredge approaches they elicit a flight response (Caddy, 1968, Worms and Latiange, 1986). However, larger scallops with a shell height greater than 100mm are more sedentary and live in shallow depressions in the substrate (Bourne, 1964). Since dredge gear scrapes just beneath the surface, it is more effective at catching the larger scallops that trawl gear may skim over. Furthermore, the dredge ring size used in this research was 3.5-inches; dredge ring width is now required to be at least 4-inches and net size has not changed for trawl vessels. Therefore, the difference in selectivity patterns between the two gear types is probably even greater with 4-inch rings.

One strategy of the rotational management program adopted in the Scallop FMP is to maximize yield per recruit and increase the spawning potential of the resource; therefore, if smaller scallops can remain in the ocean for a longer period of time there are beneficial impacts on the overall scallop resource.

The majority of limited access and general category scallop landings are by dredge vessels. Table 194 shows the breakdown of scallop landings by gear type for the general category permit category for FY2005. If an alternative in this section is adopted it is possible that the level of landings by trawl vessels would decrease. Figure 47 shows the location of general category trips with scallop landings using otter trawl gear from calendar years 2001 through 2004. Figure 48 shows the location of general category trips with scallop landings using scallop trawl gear from the same fishing years, and Figure 49 is for scallop dredge gear.

The proposed action for this measure is No Action. Since vessels are harvesting scallops with trawl gear now, but at a limited amount compared to dredge gear, the impacts of the No Action on the scallop resource is limited and are not expected to increase as a result of this action.

Figure 47 – Location of general category trips from calendar years 2001-2004 on vessels with fish otter trawl gear (dark circles) over all general category trips (lighter circles) (VTR data)
 Note: typo in legend – FW18 lawsuit settlement should read FW16 lawsuit settlement

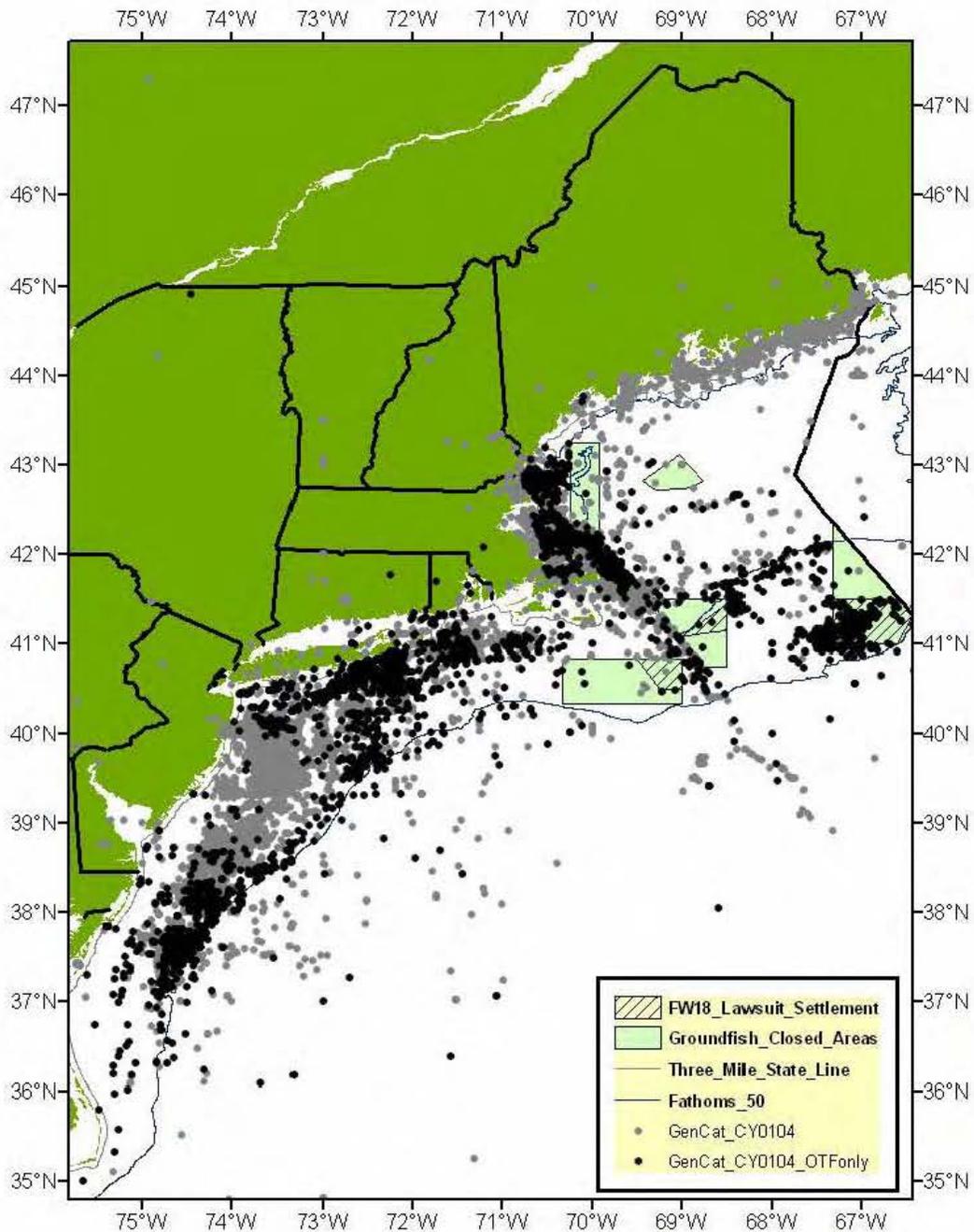


Figure 48 – Location of general category trips from calendar years 2001-2004 on vessels with scallop trawl gear (dark circles) over all general category trips (lighter circles) (VTR data)

Note: typo in legend – FW18 lawsuit settlement should read FW16 lawsuit settlement

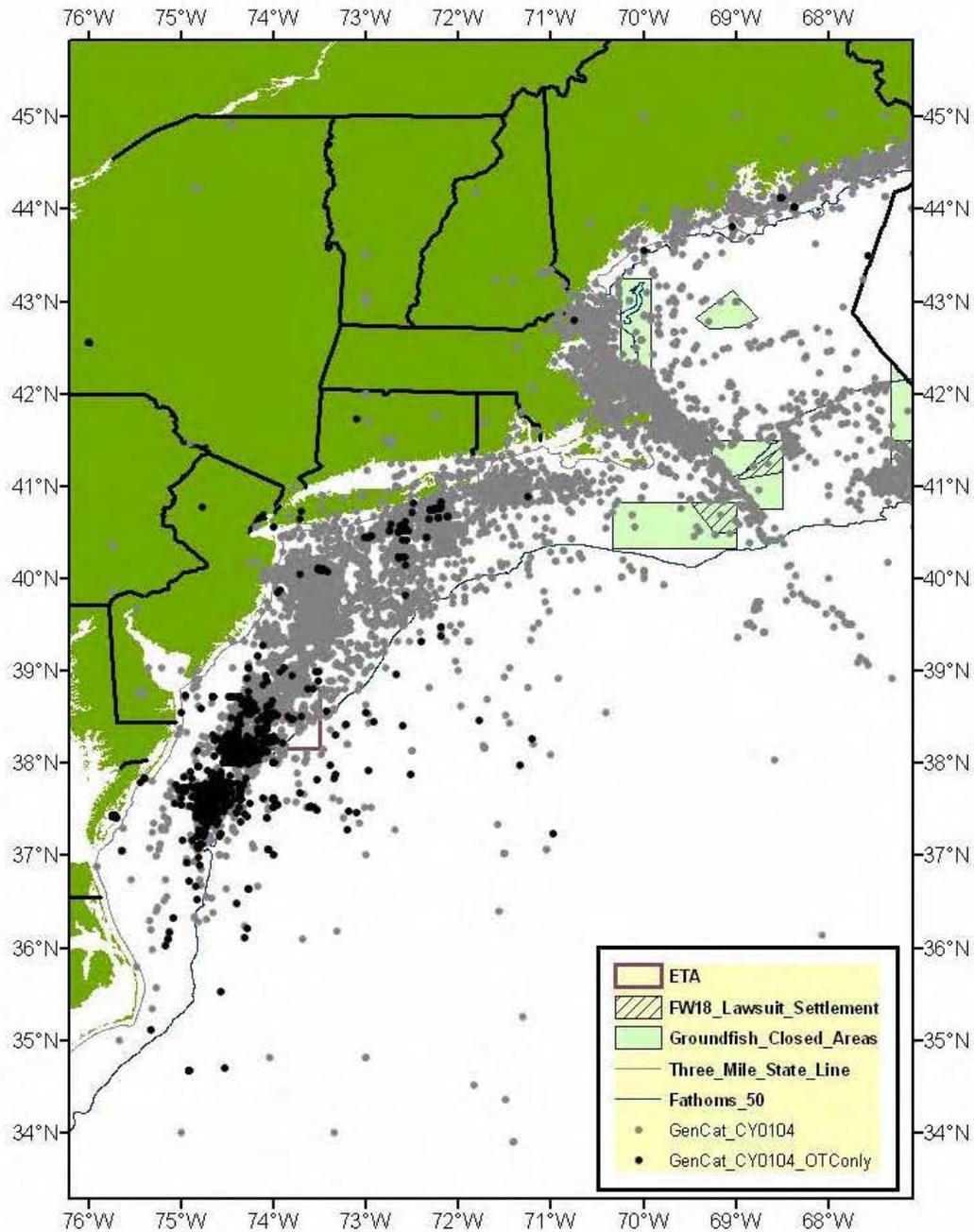
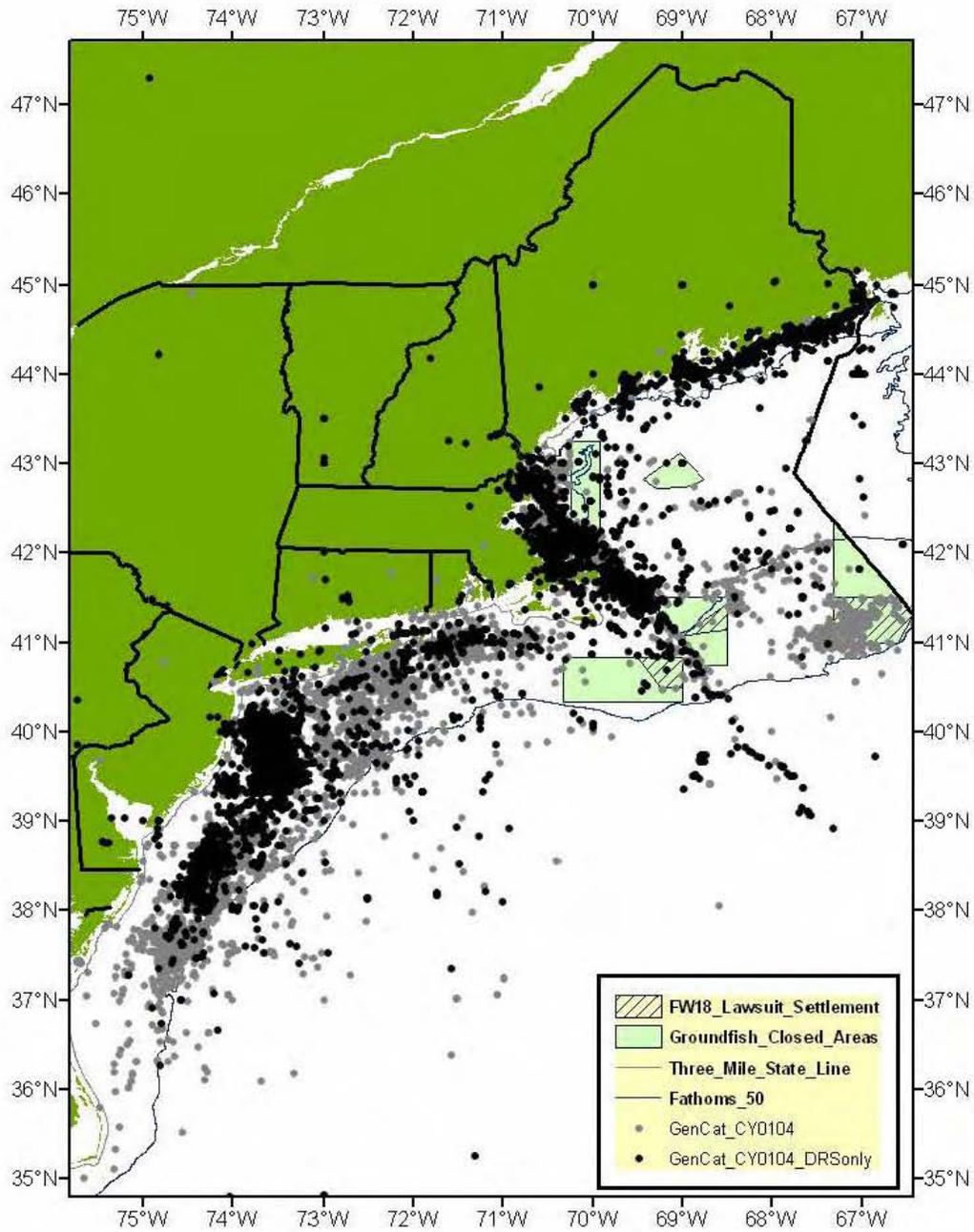


Figure 49 - Location of general category trips from calendar years 2001-2004 on vessels with scallop dredge gear (dark circles) over all general category trips (lighter circles) (VTR data)
 Note: typo in legend – FW18 lawsuit settlement should read FW16 lawsuit settlement



Alternatives 3.1.2.6.3.1 and 3.1.2.6.3.2

The analyses below were used to describe general category effort in terms of gear type and to help identify lower possession limits to consider in this action. In general, these analyses suggest that fishing mortality is higher for trawl gear versus dredge gear based on the number of kept scallops per trip. Therefore, the alternatives that reduce incentives to fish for scallops with trawl gear are expected to have positive impacts on the scallop resource.

The substantial majority of trips targeting scallops with dredges landed nearly 400 lbs. on each trip, with more than 50% of the trips landing at least 395 lbs. (Table 69). Seventy-five percent of trips landed more than 322 lbs. and 90% landed more than 200 lbs. In comparison, there were 2,457 trips in 2005 that targeted scallops with a scallop trawl (Table 70). Not surprisingly, the scallop landings per trip were very similar to the profile by vessels using dredges. Fifty percent of the trips landed more than 380 lbs. of scallops and 75% landed more than 300 lbs. Similarly, 90% of trips targeting scallops with scallop trawls landed more than 250 lbs.

Table 69. Percentiles of scallop landings per trip by target species for general category vessels using **dredges**

Target species or group	Trips	Vessels	Percentile						
			5%	10%	25%	50%	75%	90%	95%
Summer flounder	18	2	*	*	*	*	*	*	*
Skate	6	3	161	163	184	245	268	313	331
Monkfish	4	5	100	140	259	329	343	364	370
Scallops	12461	327	120	200	322	395	400	400	400
Scup	1	1	*	*	*	*	*	*	*
All	12489	328	120	200	322	395	400	400	400

Table 70. Percentiles of scallop landings per trip by target species for general category vessels using scallop **trawls**.

Target species or group	Trips	Vessels	Percentile						
			5%	10%	25%	50%	75%	90%	95%
Summer flounder	8	6	124	179	318	395	400	400	400
Skate	3	1	*	*	*	*	*	*	*
Monkfish	3	3	45	46	47	48	174	250	275
Scallops	2457	72	76	250	300	380	400	400	400
All	2471	72	70	248	300	380	400	400	400

5.1.1.2.7 Sectors and Harvesting Cooperatives

This action is considering a process for the creation of fishing “sectors” and the allocation of TAC shares to the sectors within the general category fishery (**proposed action**). Groups may be formed around common fishing practices, common homeport or landing port, common fishing area, common marketing arrangements, etc. This FSEIS details the eligibility criteria, operations plan elements, monitoring and enforcement of sectors, allocation rules, and other related issues.

None of the options related to establishing a sector are expected to have impacts on the scallop resource. In fact, if any the indirect impacts may be beneficial since voluntary sectors may be able to identify ways to fish more efficiently, potentially reducing bottom contact time and impacts on scallops and other species. It is presumed that a self-selecting sector will have a plan to manage their allocation in a way that mutually benefits the sector members and avoids wasteful fishing practices. Ideally, sector management would increase the long term sustainability of the scallop resource by creating a sense of stewardship and self-governance.

Specific impacts would have to be addressed as part of a sector operations plan at a separate time in the future. Because the details of sector management will be included in the operations plan and submission will be accompanied by appropriate NEPA documents, impacts on the scallop resource would be evaluated by the proponents at that time and accepted by the agency with any accompanying caveats on the sector operations.

5.1.1.2.8 Interim measures for transition to limited entry

If the Council selects limited entry under this action, it will take some time to identify the final universe of vessels that would qualify for a permit. Therefore, this document in considering two alternatives for the transition period to limited entry (if adopted). Both alternatives would limit the number of participants to those that have been identified as qualifying for a permit under the qualification alternatives, and those that had a permit during the qualification time period but are under appeal for a permit. One alternative would include a hard TAC of 10% of the total projected scallop catch (**proposed action with Option A – by quarter**), and the other alternative would not include a hard TAC and qualifying vessels (and those under an appeal) would only be restricted by the current regulations for general category fishing (i.e. possession limit and VMS).

Overall, the impacts on the scallop resource from both these alternatives will be positive in general, because they will limit capacity and mortality on the scallop resource. The alternative with the hard TAC option has a higher likelihood of controlling mortality up to 10% of the total projected catch, but depending on how the hard-TAC is implemented there may be impacts on the scallop resource. See Section 5.1.1.3 for a description of the expected impacts on hard TACs on the scallop resource. The alternative with no hard-TAC option does not have a backstop for total mortality, but the number of vessels that can participate in this fishery is reduced compared to the open access nature of the current fishery, so compared to No Action this alternative is expected to have positive impacts on the scallop resource. Furthermore, both these alternatives would only be in place on a temporary basis, once the poll of final qualifiers is identified, then the rest of the measures adopted by Amendment 11 could be implemented, namely the allocation of a hard-TAC and allocation of that total general category TAC to qualifiers.

5.1.1.3 Hard Total Allowable Catch (Hard TAC)

One option to control mortality in the general category fishery aside from limited entry is implementing a hard total allowable catch limit. A hard TAC would be developed for the general category fishery, and when the Regional Administrator projects that TAC is going to be reached, the fishery would close.

In terms of impacts on the resource, the total removal of scallops from this alternative and the alternatives with limited entry should be similar. However, a fleetwide hard-TAC may have behavioral effects that could increase impacts on the scallop resource. For example, a hard TAC would increase the incentive to race for fish. If the entire general category hard TAC was available to all vessels with an open access permit it is likely that the TAC would be caught relatively quickly, potentially reducing optimal use of the resource. Furthermore, if the fishing year remains the same and the TAC is set at the start of the fishing year then most effort would be expected following the start of the fishing year. If the TAC is caught before average meat weights are at their maximum (spring and summer), then mortality will be higher.

5.1.1.4 Establish a Northern Gulf of Maine Scallop Management Area (NGOM)

During development of this action there has been considerable discussion of establishing a separate management system for the general category scallop fishery in the Gulf of Maine. It has been argued that the fishery in this area is distinct, and the resource experiences sporadic abundance. A summary of the background information known about the scallop resource and fishery in the Gulf of Maine is described in Section 4.4.6.

No Action

No specific measures would be considered for the Northern Gulf of Maine. Whatever is adopted under Amendment 11 would apply to the Northern Gulf of Maine; no separate limited entry program would be considered for that area.

This alternative would not have additional impacts on the scallop resource, since whatever is adopted in Amendment 11 would apply to this area as well. Therefore, whatever measures were selected to reduce capacity and mortality in the general category scallop fishery would apply to this area as well. See Sections 5.1.1.2 and 5.1.1.3 for a description of the biological impacts of the alternatives to reduce capacity and mortality in the general category fishery.

Amendment 11 would not apply to the Northern Gulf of Maine

If this alternative is selected by the Council then any measures adopted in Amendment 11 pertaining to controlling capacity and mortality in the general category fishery would not apply to waters in either: **Option A** - the GOM exemption area north of 42°20N (See Figure 3–hatched area north of 42°20) or **Option B** – waters in the EEZ north of 43N. An open access permit to fish for scallops under general category would remain for this area, and a vessel could land up to 400 pounds of scallops per trip if they have VMS (IB permit). Any vessel from any area would be permitted to apply for and fish under an open access NGOM general category permit. A hard TAC would be established for this area and if reached vessels would be limited to possession of up to 40 pounds of scallop meats after the TAC was reached. The Scallop Committee recommends that the hard TAC for this area include scallop landings in both federal and state waters.

In terms of impacts on the scallop resource only, the number of vessels that have access to fish is not the issue so long as there is a total limit on removal (i.e. hard TAC). Since this alternative includes a hard TAC the potential negative impacts of open access are reduced. Once the TAC is reached the area is closed to all general category fishing. There has not been a large set of scallops in the GOM for sometime, so the incentive to fish for scallops in this area has been minimal. While this alternative would make a GOM general category permit available to any vessel, many vessels are not expected to fish for scallops in this area since it is far from traditional scallop ports and most of the areas that have had scallop beds are in state waters or are presently in closed areas. However, if a set of scallops do recruit in this area, there is a risk of overfishing the area with open access.

There may be some negative impacts on portions of the scallop resource related to the boundary options (Option A and Option B). The statistical areas used in the scallop assessment for the GOM are 512, 513, 515, 514 and portions of 464, 465, and 511 that are within the US EEZ. Therefore, both boundaries (Option A and B) are contained within the larger area used as the

GOM for the scallop assessment. Option A adds additional area to the south of Option B which could have impacts on vessels that live and fish south of Option B that are directed general category vessels that would not want open access vessels having access to this area while they may be under limited access controls. Specifically, any area where limited access and open access vessels can participate simultaneously can be problematic without sufficient controls for both permit types.

Establish a separate Northern Gulf of Maine limited entry program

This alternative would develop a separate limited entry general category program in the GOM exemption area north of 42°20N (**Option A**) (See Figure 3 – hatched area north of 42°20) or **Option B** – waters in the EEZ north of 43N. See Section 3.1.4.3 for the specifics about this alternative. Since this area would be under a hard TAC and limited entry there are not substantial biological impacts so long as the TAC is set at an appropriate level and can be effectively monitored.

The number of vessels that are expected to qualify under this alternative is 705, these are the same vessels that would qualify under the least restrictive qualification alternative for a general category limited access permit. If the most restrictive alternative is selected for the limited access general category permit (2003-2004 time period and 5,000 annual pounds) then only 134 vessels would qualify for that permit. Provided that the TAC is set at the appropriate level and can be effectively monitored, this alternative should not have additional impacts on the scallop resource within the NGOM. See Table 155 for a description of the vessels that would qualify for this permit.

Establish a separate Northern Gulf of Maine limited entry program with no landings criteria (*proposed action*)

This alternative would develop a separate limited entry general category program in the GOM exemption area north of 42°20N (Option A) (See Figure 3 – hatched area north of 42°20). See Section 3.1.4.4 for the specifics about this alternative. Since this area would be under a hard TAC and limited entry there are not substantial biological impacts so long as the TAC is set at an appropriate level and can be effectively monitored.

The number of vessels that are expected to qualify under this alternative is about 2,484, vessels that obtained a general category permit in 2004 before the control date (November 1, 2004). Provided that the TAC is set at the appropriate level and can be effectively monitored, this alternative should not have additional impacts on the scallop resource within the NGOM.

5.1.1.5 Monitoring Provisions

5.1.1.5.1 No Action

Whether limited entry is adopted or not, vessels would still be required to report scallop landings through vessel trip reports (VTR). Vessels are currently required to report all landings within one month after a trip has been taken.

This alternative has indirect benefits on the scallop resource because reporting through VTR improves monitoring of fishing effort in the general category fishery.

5.1.1.5.2 Require landings and declaration of scallop trip through VMS (*proposed action*)

This alternative would require all general category vessels to report landings through VMS, and a vessel would also be required to declare each trip through VMS when they are leaving port to declare that they are going on a general category scallop trip. Vessels would be required to call in the hailweight and VTR number for each trip through the VMS system.

This alternative has additional indirect benefits on the scallop resource as compared to the No Action alternative because reporting through VMS improves monitoring of fishing effort in the general category fishery. It would be very difficult, if not impossible to monitor a hard TAC in real time without required reporting of hailweight through VMS.

5.1.1.5.3 Require landings and declaration of scallop trip through IVR system

Interactive Voice Reporting (IVR) is a system where vessels report landings after each trip through a phone recording system. This alternative would require IVR in addition to current VTR reporting requirements.

This alternative has additional indirect benefits on the scallop resource as compared to the No Action alternative because reporting through IVR improves monitoring of fishing effort in the general category fishery. IVR is used in other fisheries to monitor a TAC, but it is not as real time as VMS reporting and does not include location information.

5.1.1.6 Limited access fishing under general category rules

5.1.1.6.1 Permit or prohibit limited access vessels from fishing under general category

The amount of limited access effort under general category has fluctuated over time (See Section 4.4.5 for a description of this component of the fishery). When conditions are right (i.e. abundant resource nearshore, good scallop prices, reduced opportunity under limited access privileges, etc.) and it is economic for limited access vessels to fish under general category, this component of effort is expected to increase. This type of effort is somewhat limited by factors such as price, cost of fuel etc. Therefore, the No Action alternative for this section (to permit all limited access vessels to fish under general category rules outside a DAS) it is not expected to have substantial impacts on the scallop resource, provided effort in this category does not increase above historic levels. Table 41 summarizes scallop landings by limited access vessels for trips equal to or less than 400 pounds per trip. The level of landings and number of vessels that have participated in this component of the fishery has varied with time. When catch per day was lower for limited access vessels in the late 1990s for example, the amount of scalloping under general category was relatively high. From 2000-2004 landing were in the ballpark of 200 to 300,000 pounds from this activity, or about 0.5% of total landings. There has been an increase in limited access trips under 400 pounds in recent years (2005 and 2006). The number of limited access vessels with trips less than 400 pounds is described in Table 48.

Alternative 3.1.6.1.2 would only allow limited access vessels that qualify under the same criteria selected for the limited access general category permit to fish under general category rules (**proposed action**). A component of the limited access scallop fishery has participated under general category consistently over time. So long as this effort is controlled as under the same

limited access general category alternatives, the impacts on the scallop resource are expected to be minimal (similar impacts as Alternative 3.1.6.1.3). Alternative 3.1.6.1.4 would prohibit all limited access permits (full-time, part-time and occasional) from fishing under general category rules while not on a scallop DAS. This alternative would reduce impacts on the scallop resource, but if the expected mortality from this component of the fishery is “reallocated” or assumed to shift to a different component of the fishery then benefits are reduced. For example, if about 0.5% of the annual TAC has come from this component of the fishery, and limited access vessels are no longer permitted to fish under general category and this assumed mortality is then shifted to the limited access fishery overall TAC in future projections, then overall impacts on the scallop resource are not reduced and are similar to the No Action alternative.

5.1.1.6.2 Allocation of quota to limited access vessels under general category

If the Council determines that limited access vessels that qualify for a general category permit under the same qualification criteria should receive a general category permit, then that effort would have to be attributed to (or removed from) either the general category allocation or the limited access allocation. If the Council decides not to permit limited access vessels to fish under general category rules then this section is irrelevant.

Whether the catch is reduced from the general category portion of the total TAC (Alternative 3.1.6.2.1) or a separate allocation (Alternative 3.1.6.2.2) (**proposed action**) these alternatives are not expected to have impacts on the scallop resource since they are related to how scallop catch is allocated and monitored.

5.1.1.7 Allocation between limited access and general category fisheries (Objective #1)

5.1.1.7.1 No Action

The Council would not allocate a certain percentage of the total available scallop harvest to the general category fleet. Currently annual landings from the general category fleet are estimated, and then limited access specifications are set to harvest the remaining portion of available harvest. The landings from the general category fleet are not an actual allocation, and vessels may under or over-harvest the estimated amount.

There could be short term biological impacts of this alternative. If the general category fishery exceeds the amount they were projected to catch, fishing mortality from that fleet would cause the total estimated fishing mortality to be higher. It may be possible that future management could account for that overage and reduce future fishing mortality by reductions in trips, poundage, or access in either component of the fishery, but there could be short term impacts on the scallop resource if projections are exceeded. This is also true for the projections of limited access fishing mortality, but the controls on that component of the fishery are currently more direct (open area DAS and possession limits for access area trips). So estimates have a greater degree of accountability and overages can be adjusted for more directly.

5.1.1.7.2 Allocation of total scallop TAC for general category vessels (*proposed action*)

The range of total TAC that was considered for the general category fishery under this alternative was 2.5-11% (**5% is the proposed action**). It is understood that whatever alternative is selected to control capacity and mortality in the general category fishery, the total amount

allocated to the general category permit owners would be roughly equal to the overall percent selected in this alternative.

Currently the mortality effects of the general category fishery create uncertainty in estimating overall fishing mortality of the scallop resource if there are no controls on harvest other than the possession limit (unless other measures are adopted). This alternative is not the mechanism that would specify how effort would be controlled, rather it identifies the maximum for the general category fleet. Likewise, future management measures would have to be developed to ensure that both components of the scallop fishery do not exceed their allocations under this alternative. This alternative could have beneficial short term impacts on the scallop resource by enabling management measures to have more direct control on the amount of scallops removed by the general category fishery. Likewise, if limited entry is adopted under this action, it has been referenced in the analyses that limited entry in combination with an overall TAC percentage of total projected scallop catch for the general category fishery will help prevent overfishing. If total catch (even under a limited entry program) is not constrained by a TAC for the general category fishery, then a limited access program would be less successful at curbing effort, capacity and mortality.

In general, general category vessels are less efficient because they use smaller gear and fewer crew. However, total bottom contact time is not necessarily higher per pound of scallop meat caught. For example, if a general category vessel uses one ten-foot dredge, and a limited access vessel uses two 15-foot dredges, the limited access vessel has three times as much gear in contact with the bottom. The amount of scallops caught is proportional to the length of dredge being used, not whether it is being pulled by a limited access or general category vessel. However, because the economic incentives for the two fleets are different, there may be impacts on the scallop resource as a result. In general, vessels will fish to reduce time at sea and maximize profits. Limited access vessels in particular are under DAS, so these vessels need to maximize all their time spent at sea. These vessels are also more mobile, so if there are areas offshore that are more abundant, the limited access vessels are more likely to fish in areas with high abundance to reduce time spent at sea. While general category vessels cannot fish everywhere because they are more limited by vessel size etc., they are not managed by DAS so do not have the same incentives to maximize time at sea; therefore, these vessels may spend more time fishing in sub-optimal areas to harvest the daily possession limit so impacts on the scallop resource would be higher if this is the case.

5.1.1.7.3 Allocation of yellowtail flounder bycatch TAC in access areas

The Council considered allocating a specific portion of the yellowtail flounder bycatch TAC to each fishery (limited access and general category). Currently 10% of the yellowtail flounder TAC (Georges Bank and SNE) is set aside as bycatch for the scallop fishery in access areas (limited access and general category together).

Under the No Action alternative (**proposed action**), once bycatch TAC is reached, the access area would close to all vessels. On its own this alternative is not expected to have direct impacts on the scallop resource. If anything, the YT bycatch TAC may reduce scallop mortality if the TAC is reached before all access area trips are made. For example, in 2006 the YT bycatch TAC was reached in both access areas (Nantucket Lightship and Closed Area II) before all limited

access vessels made their allocated trips; therefore, the fishing mortality associated with those trips was never realized and the resource in that area benefited as a result. However, under a rotational area management system if areas close prematurely and scallops are not harvested at the optimal time, overall benefits are reduced.

Rather than both fisheries being under the same 10% cap, Alternative 3.1.7.3.2 would actually divide the bycatch TAC between the limited access and general category fisheries. Whatever overall allocation of the projected scallop catch is allocated to the general category fishery (2.5%-11%), that same percentage of the yellowtail flounder bycatch cap would also be allocated to the general category fleet for access areas. This alternative is not expected to have direct impacts on the scallop resource. The estimated fishing mortality from an access area assumes all trips are taken, so if dividing that TAC enables one component of the fishery to fish longer, the impacts of those trips have already been accounted for.

5.1.1.8 Incidental Catch (Objective #4)

5.1.1.8.1 No Action

All vessels with a federal permit would continue to be permitted to possess and land up to 40 pounds of scallop meat per trip (but not sell their catch). A vessel is not required to have a permit for this incidental level of scallop catch for personal use.

The Scallop PDT is not currently concerned about scallop mortality from incidental catch. If scallops are returned to the water relatively quickly, mortality of incidental scallop catch is expected to be relatively low. Other possession limits were considered during development of Amendment 11, but this amount was determined to be an appropriate incidental catch limit.

5.1.1.8.2 New incidental catch permit (*proposed action*)

Another limited entry permit would be established for incidental levels of scallop catch. Any vessel that qualifies for the qualification time period portion of this limited entry program, but not the landings criteria would qualify for a limited entry incidental scallop permit. Those vessels could possess, land, and sell up to 40 pounds of scallop meat per trip. A percentage of total projected annual scallop catch would be reserved for mortality from this permit category prior to limited access and limited access general category allocations.

Overall this alternative is not expected to have negative impacts on the resource. This level of scallop catch is not expected to have negative impacts on overall scallop mortality. Currently any vessel is permitted to apply for a general scallop 1A permit, which allows them to land and sell up to 40 pounds of scallop meat, so this alternative would limit the number of vessels that could fish in this category. Furthermore, since mortality from this component of the fishery will be accounted for in projection models, then this alternative should not have overall impacts on scallop mortality.

5.1.2 Measures to allow better and more timely integration of recent data (Goal #2, Objective #5)

This was identified as the second goal of Amendment 11 because the scallop fishing year is out of sync with the framework adjustment process and the timing of when survey data become

available for analysis. Alternative 3.2.2 would improve integration of general category landings information, and Alternatives 3.2.3 and 3.2.4 focus on adjusting the start date of the fishing year to improve timing and integration of scallop survey data.

5.1.2.1 Background on fishing year issue

The details of the current system are described below, identifying general milestones and issues with the management timeline. The scallop fishing year is out of sync with the framework adjustment process and the timing of when survey data become available for analysis. As a result, actions have not been implemented at the start of the fishing year, TACs have been misestimated due to reliance on older data, and extra actions have been required to compensate. A change in the fishing year is needed to correct for new analytic requirements for framework actions, additional steps in the framework approval process, and the higher uncertainty in area management results caused by using year-old data when the Council develops and analyzes management alternatives.

If the data used to develop management measures is not updated, the scallop resource could suffer from excessive harvest rates or the fishery could fish at a level that would not achieve optimum yield. To demonstrate the problems that result from the fishing year being out of sync with survey information, a description of the current situation relative to surveys and management actions, and examples of how the start of the fishing year has been problematic in the past is described in the section below.

5.1.2.2 Current scallop survey process and integration with management actions

The Council is currently convening a Scallop Survey Advisory Group whose analysis and recommendations will be made during the development of Amendment 11. Although minor changes in the surveys are possible, survey vessels and support personnel are unavailable early enough in the year (February to March) to conduct the surveys in time to develop and analyze (often complex) framework alternatives for an initial framework meeting in June and a final framework meeting in September. September approval is required to enable the Council to submit the framework adjustment so that NMFS can conduct the review and implementation can occur by March 1.

The primary source of resource data comes from NMFS RV Albatross survey, conducted in late July and early August. Preliminary (i.e. unaudited) data become available for analysis several weeks later, but the earliest that biological projections can be completed is in early September. Other surveys (SMASST video survey, for example) augment this primary source of information, often improving precision for specific areas to estimate biomass. These surveys are often conducted in May to October, when conditions are favorable and when the projects can be conducted with approved set-aside funding. IN 2006, some data from additional surveys were available in September, but a substantial amount of work was done by the researchers to speed up auditing and analysis so that survey information from cruises conducted in summer/early fall 2006 could be incorporated in the measures for fishing year 2007.

Once the biological projections (i.e. biomass forecasts by area) are available and the management alternatives have been identified, there are a slew of additional analyses which must be completed based on this information. These analyses include allocation estimates and

analysis of effects, in order for the Council to make an informed decision. These analyses of the alternatives estimate economic effects, social effects, community effects, as well as effects on bycatch and habitat. Council documents must also analyze cumulative effects, which include the synergistic effects on the environment of past, present, and reasonably foreseeable actions, as well as potential interactive effects caused by management of other fisheries and activities. Some of these analyses are needed for the final framework meeting, but others are completed before the Council submits the document to the Secretary of Commerce. These analyses and the associated document development generally take a minimum of 6 to 8 weeks from the time that biological projections can be done.

Using the most recent survey data, the earliest time that the Council can approve a framework action is in November with a document submission in late November or early December. NMFS review process includes a publication of a proposed rule and response to comments, as well as a formal review by NMFS headquarters, the EPA, the Corp of Engineers, and OMB. This review process usually takes 5 to 6 months, meaning that if the survey data can produce biological projections in early September, the earliest a framework action can be implemented is in early June, well after the start of the fishing year (currently March 1).

There is some thought that the NMFS scallop survey can occur at another time and/or be replaced by cooperative industry surveys. The Council and NMFS is working on these issues using a scallop survey advisory panel (SSAP) to make recommendations. There is some possibility that the new NOAA research vessel can conduct the survey earlier, in late May or early June but it is impossible that the survey can be conducted earlier than this due to conflicts with the spring groundfish survey. On the other hand, cooperative industry surveys would have to also conduct their surveys earlier in the year, with sufficient coverage, sampling intensity, consistency, and permanence to replace the NMFS survey. Industry survey data would have to be freely available to Council and NMFS scientists for analysis in a timely manner.

Even if the survey is conducted a couple of months earlier, it still takes about 9-12 months to process and assimilate the data to set specifications, analyze the effects, choose final measures, submit a final document, conduct a formal government review, and publish final rules. This is consistent with the analysis of the fishing year in Amendment 10, when the Council last rejected a change in the fishing year. Figure 50 identifies the timing of various steps with the No Action alternative (March 1 FY start date) and other alternatives under consideration (May 1 and August 1 start dates). Changing the fishing year enables the Council to use up to date information and allow for timely implementation of new specifications increasing the certainty that framework measures will prevent overfishing, achieve the intended objectives, and maximize net benefits. The No Action alternative increases the business risk to fishermen, vessel owners, and the industry due to mid-year implementation of delayed measures and frequent corrective action.

This type of adjustment has occurred several times in the past after recent survey information becomes available. Most recently, Framework 18 was not implemented on time, primarily because the key survey data and biological projections became available in early September, a week before the final framework meeting where the Council selects final measures. The PDT also found it impossible to complete the needed analyses due to conflicts between planned summer research activities and analytic needs.

Because the supporting analyses were not available at the September Council meeting, the final meeting was postponed to November and the annual specification was not implemented until early June 2006. Fortunately, the main effects of the delay were minor. The open area DAS reverted to the default value and the Hudson Canyon Area will be subject to fishing using open area DAS instead of being closed as intended in Framework 18. Open area DAS use will count against the eventual Framework 18 DAS allocation and it is unlikely that many vessels will use open area DAS in the Hudson Canyon Area due to its depleted condition relative to other open areas. The delay with Framework 18 also resulted in problems associated with open area DAS in another way. Framework 18, which included a reduction in open area DAS compared to the DAS in the regulations for the 2006 fishing year, also had to account for the possibility that some scallop vessels may use their higher DAS allocations before Framework 18 was implemented. The result would be that a vessel would have used more DAS than it ultimately would have been allocated in the 2006 fishing year under Framework 18. Framework 18 established a provision that reduced the 2007 DAS for any vessel that used more DAS than allowed under Framework 18 (because of this timing problem). While very few, if any, vessels ended up in this situation, it raised the possibility that some fishing effort increase would have resulted in the 2006 fishing year than was anticipated in Framework 18. Although offset in the 2007 fishing year, this could have imposed excess fishing effort in the 2006 fishing year. Timely implementation of Framework 18 based on up-to-date resource information would have solved this problem.

Another example of problems caused by the mismatch with the data and fishing year was the need to re-evaluate and adjust the Elephant Trunk Area (ETA) trip allocations before the area opened in January 2007. Because the PDT had to rely on 2004 survey data to estimate the 2007 TAC and develop management alternatives, there was a considerable level of uncertainty about forecasting biomass out three years (from 2004 to 2007) using the biological projections. A considerable proportion of ETA scallops in 2004 were small and the scallop rotation area at the time of the survey had just been closed to protect them from fishing. Growth, mortality, and scallop movement between when the survey occurs and when the area re-opens for fishing also add uncertainty. The further the forecast is the more sensitive the projection is to assumptions of recruitment, natural mortality and growth; therefore, the less reliable the forecast is.

Because of the added uncertainty, the Council developed a rather complex strategy to adjust and compensate for changes in the eventual TAC, to be measured by 2006 surveys (by Notice Action). The Council also applied a more conservative strategy than might otherwise be required to avoid overexploitation of the ETA if the biomass projections overestimate the 2007 biomass. The Council adopted an ETA TAC that is about half of what might otherwise be indicated by a three-year access program. Essentially, the Council halved the fishing mortality target and adopted what amounts to a five-year harvest strategy for a rotation area closed for three years.

In late summer of 2006, as the resource surveys were being completed in the ETA, it became evident that the exploitable scallop biomass in the ETA was not as high as expected under Framework 18. Although the biomass was not as high as expected, the PDT reviewed the information from three available scallop surveys and determined that the "Notice Action" procedure in Framework 18 was not warranted. However, the PDT expressed very strong

concern that with an allocation of five trips to full-time scallop vessels, and about 1,300 trips for general category vessels, that the fishing mortality rate from intense fishing effort on a smaller-than-expected biomass would have negative effects in the ETA, resulting in potential overfishing of the entire scallop resource. To address this situation, the Council requested that NMFS enact an interim rule in December 2006 that would reduce the number of trips and delayed the opening of the ETA until March. While the potential problems that may have resulted for the scallop resource were avoided, the use of more recent data in Framework 18 would likely have resulted in more accurate projections for the ETA and would not have required the Council or NMFS to take “emergency” action to correct the problems. A change in the fishing year would allow more recent data to be used to potentially avoid the situation that occurred in the ETA. Furthermore, the strategy adopted in Framework 18 for the ETA required a considerable amount of extra work and analysis during 2006 to re-evaluate the Framework 18 allocations. Applying a precautionary approach to ETA management may forego some yield in the short term, but because the ETA scallops are just reaching optimal size, a reduced TAC and postponed harvest is unlikely to have negative consequences – unless a mass mortality event occurs due to predation, disease, or temperature. In other words, there is an elevated level of risk associated with the management strategy the Council adopted in Framework 18 in response to the higher uncertainty of using 2004 instead of 2005 survey data.

5.1.2.3 Impacts of the measures to improve integration of recent data

5.1.2.3.1 No Action

No additional measures would be implemented to improve the integration of recent data in the management process. Specifically, the scallop fishing year would remain at March 1.

This alternative may have negative indirect impacts on the scallop resource because it does not enable the Council to integrate the most recent scallop survey results into analyses used to make decisions for scallop management. Overall, a March 1 start date increases uncertainty and risk because future management decisions are based on older data, which could have indirect impacts on the scallop resource.

During the public comment period it was discussed that there always is a boom in fishing effort when a fishing year begins, and that should coincide with the time scallop yields are highest. In the case of scallops, yield is highest in the spring, so it was argued that a March 1 start date coincides with the several months in the spring when yields are higher.

5.1.2.3.2 Change the issuance date of general category permits from May 1 to March 1 (proposed action)

Whether limited access is implemented by this action or not, this alternative would change the issuance date of general category permits from May 1 to March 1. Currently, the limited access portion of the fishery is issued a permit on March 1, the start of the scallop fishing year. Because the general category permit is not issued until two months later there is a lag time in summarizing scallop landings data.

This change would improve integration of fishery data into the management decision process by making the permit issuance date consistent with the limited access fishery. If limited entry is

adopted under this action and vessels are allocated an individual allocation then that allocation would not be given until two months into the scallop fishing year, unless the Council adopts changing the issuance date of general category permits from May 1 to March 1. This alternative would not address the timing issue related to integration of recent survey data.

5.1.2.3.3 Change the start of the fishing year to May 1

The scallop fishing year would be changed to start May 1.

This alternative is expected to have positive impacts on the scallop resource by enabling the Council to use up to date information and allow for more timely implementation of new specifications. If the current survey is rescheduled to late May or early June, the fishing year should begin on May 1, reducing uncertainty and risk. There is more uncertainty and risk associated with the projections now because they are based on older survey data. Because the survey data from the most recent survey (i.e. July 2007) is not available in time when managers have to make decisions (September 2007 Council meeting) for the specifications for the following two fishing years. Therefore, specifications are made based on projections from survey data that is two years old; thus increasing risk for overfishing if the projections are overestimated. This start of the fishing year under this alternative would also coincide with when scallop meats are higher, but is closer to the summer when yields begin to decline and sea surface water temperatures increase.

5.1.2.3.4 Change the start of the fishing year to August 1

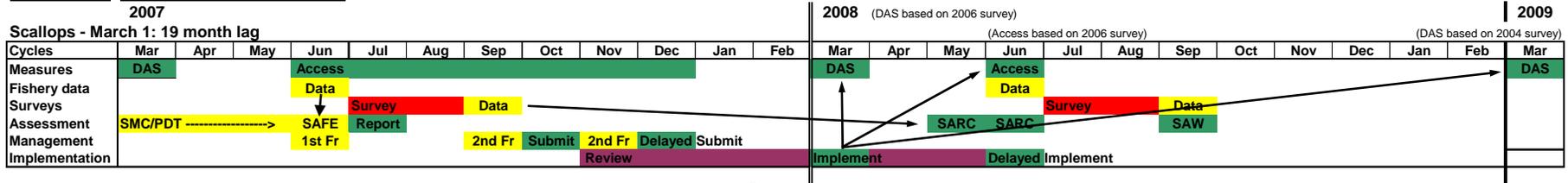
The scallop fishing year would be changed to start August 1.

This alternative is expected to have positive impacts on the scallop resource by enabling the Council to use up-to-date information and allow for more timely implementation of new specifications. If the current survey cannot be pushed earlier and remains in late summer, the fishing year should begin on August 1, reducing uncertainty and risk. There is more uncertainty and risk associated with the projections now because the survey data from the most recent survey (i.e. July 2007) are not available in time when managers have to make decisions (September 2007 Council meeting) for the specifications for the following two fishing years. Therefore, specifications are made based on projections from survey data that are two years old increasing risk for overfishing if the projections are overestimates.

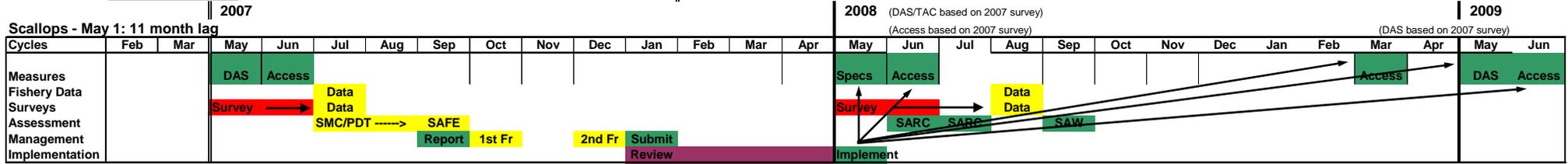
During the public comment period it was discussed that since scallop yield falls off in the fall when scallops spawn, an August 1 start date could have impacts on yield per scallop caught if fishing pressure increased in August, September and October for example, after the start of the fishing year.

Figure 50 – Comparison of potential timelines for the alternatives to allow better and more timely integration of recent data

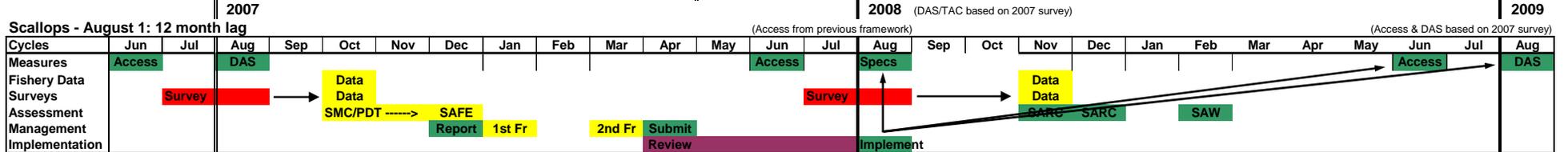
Status quo: March 1 to February 28/29



May 1 to April 30



August 1 to July 31



5.1.3 Other measures

5.1.3.1 Trawl gear restriction

5.1.3.1.1 No Action

All trawl vessels would be restricted to a 144 ft. trawl sweep.

This alternative has unintended consequences on vessels that are targeting other species aside from scallops. The restriction on trawl sweep size may have beneficial impacts on scallop mortality by restricting the maximum size of trawl gear, but the Council intended this restriction for vessels targeting scallops, not vessels that catch scallop incidentally.

5.1.3.1.2 Clarification of trawl gear restriction for vessels fishing under a multispecies or monkfish DAS (*proposed action*)

The Council intended the 144 ft. net sweep restriction to be exclusive to the scallop plan for all vessels targeting scallops using a net, and not to apply this restriction in other fisheries where scallops are caught more incidentally. This alternative would clarify that the 144 ft. net sweep restriction is intended for all vessels authorized to be in possession in excess of 40 pounds of scallop meats, except for vessels with a general category 1B permit and fishing under a multispecies or monkfish DAS. These vessels would not be restricted by the 144 net sweep restriction.

This alternative is not expected to have impacts on the scallop resource. Vessels that are targeting scallops with a net are still restricted to a 144 ft. net sweep. This alternative is intended to clarify the regulations for vessels that are fishing for other species and catch scallops incidentally.

5.1.3.2 Possession limit of 50 bushels

5.1.3.2.1 No Action

Current regulations would apply related to the possession limit of 50 bushels of in-shell scallops for all 1B general category scallop vessels.

Limiting the amount of in-shell scallops a vessel can be in possession of reduces non-harvest mortality, thus is beneficial for the scallop resource. It reduces the incentive to highgrade, and if a vessel wants to shuck its catch and needs more than 50 bushels to reach the 400 pound possession limit, that vessel will have to shuck some of its catch before possessing over 50 bushels. This restriction potentially reduces fishing time if the shucked product from 50 bushels ends up being 400 pounds (i.e. the vessel may not have to make another tow if the in-shell product on deck ends up equaling 400 pounds of shucked scallop meat). However, in practice it is common that over 50 bushels are needed to shuck 400 pounds of scallop meat. Therefore, this alternative causes vessels to often be out of compliance during normal fishing operations.

5.1.3.2.2 Possession limit of 50 bushels shoreward of the VMS demarcation line and up to 100 bushels east of that line (*proposed action*)

The regulations currently permit a vessel to be in possession of either 400 pounds of scallop meat or 50 bushels of in-shell scallops if they have a 1B general category permit. However, 50 bushels of in-shell scallops does not equate to 400 pounds of scallop meat. Therefore, if a vessel wants to land scallop meat, it is technically in violation if it possesses for example 70 bushels to cut out 400 pounds of meat. This alternative would not allow a vessel to possess, or land per trip more than 50 bu. (17.62 hl) of in-shell scallops shoreward of the VMS Demarcation Line, but it could possess up to 100 bushels east of the demarcation line.

Recognizing that 50 bushels is usually less than 400 pounds of scallop meat, this alternative would allow a vessel to be in possession of up to 100 bushels seaward of the demarcation line. This alternative would allow a vessel to shuck scallops up to 400 pounds of meat and not run the risk of being in possession of more than the possession limit. While this alternative could allow a vessel to catch more than 50 bushels or 400 pounds, the vessel would have to discard any additional catch before crossing the demarcation line, hopefully reducing non-harvest mortality. Thus if vessels discard any additional catch relatively quickly over the 100 bu. limit seaward of the demarcation line, or 50 bu. shoreward of the demarcation line, impacts on the scallop resource from this alternative should be reduced.

5.2 IMPACTS ON PHYSICAL ENVIRONMENT AND EFH

The objective of Amendment 11 is to implement measures to control capacity and mortality in the general category scallop fishery. Some measures under consideration are: a limited access program and/or hard-total allowable catch (hard TAC) for the general category fishery, approval of a mechanism for voluntary sectors in the general category fishery, establishment of a separate limited entry program for general category fishing in the Northern Gulf of Maine, potential adjustments to limited access scallop fishing under general category rules, allocation of total scallop catch and yellowtail flounder bycatch TAC between the limited access and general category fisheries, measures to allow better and more timely integration of recent data in the scallop management process, and other administrative provisions and adjustments.

5.2.1 Measures to control capacity and mortality in the general category scallop fishery

5.2.1.1 No Action

Under this alternative the general category fishery would remain an open access fishery. Based on recent trends in the general category fishery, this alternative makes it difficult for the Scallop FMP to prevent overfishing. The General Category vessels are only limited by a possession limit and are allowed to fish 365 days a year under the No Action alternative. If scallop prices and market conditions continue to improve as they have been, it is expected that General Category vessels will steadily increase their effort to meet demand. As such, this additional effort from both trawl and dredge gears will negatively impact the physical environment and EFH. However, the impacts of the additional effort are difficult to assess because the incremental effects of this additional effort may be relatively small in open access areas that are also impacted by bottom trawlers in other fisheries and limited access scallop dredge vessels.

5.2.1.2 Limited Entry

Limited entry, a use-privilege system, in and of itself would have positive impacts on the physical environment and EFH as compared to the No Action alternative by reducing the number of potential participants. However, the details of how this program will be implemented in the Atlantic scallop fishery will dictate what and to what extent these positive impacts are realized in both the short- and long-term.

Qualification criteria, time period and determination of qualification amount (3.1.2.1 – 3.1.2.3)

In terms of impacts on the physical environment and EFH, there is no significant difference between the three qualification criteria alternatives, the three time period qualification alternatives and the qualification amount provided that the total removal of scallops by the vessels that qualify is the same. Therefore, the alternatives only influence how many vessels qualify, and do not directly affect the scallop resource and EFH if additional limits on effort or a hard TAC is adopted. Alternatives 3.1.2.3.1 and 3.1.2.3.2 only affect the contribution factor used to determine a vessels access to the resource (allocation), therefore, these alternatives will not have any adverse impacts on the physical environment and EFH.

Allocation of access to GC limited entry permit holders (3.1.2.4)

In general, the impacts on EFH from all the individual allocation alternatives are expected to be similar because there is a total amount of scallops that is permitted to be removed under each alternative. However, the allocation in trip alternatives, as opposed to poundage allocations, may increase effort if these vessels change behavior to land more scallops per trip, thus negative impacts on EFH. This potential increase in effort is limited however because there is a maximum TAC for the entire fleet under both the individual pound and trip alternatives.

Limited entry permit provisions (3.1.2.5)

While this alternative could increase capacity, if the total fishing mortality for the general category fishery is limited (i.e. hard-TAC) then no additional impacts from this alternative on the physical environment and EFH are expected.

Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear (3.1.2.6)

In general, fishing mortality is higher for trawl gear versus dredge gear based on the number of kept scallops per trip (See Section 5.1.1.2.6). Therefore, the alternatives that reduce incentives to fish for scallops with trawl gear are expected to have positive impacts on the scallop resource but it is unclear whether this alternative will result in more or less area swept by either trawls or dredges. The relative impact of these two gears is the same (see Amendment 10 Gear Effects Evaluation) so one can speculate that the transfer of effort between trawls and dredges will be conservation neutral on the physical environment and EFH. As such, there would be no adverse impacts of these alternatives on the physical environment and EFH.

Sectors and Harvesting Cooperatives (3.1.2.7)

None of the options related to establishing a sector are expected to have negative impacts on the physical environment and EFH. In fact, the indirect impacts may be beneficial since voluntary sectors may be able to identify ways to fish more efficiently, potentially reducing bottom contact time and impacts on the physical environment and EFH. It is presumed that a self-selecting sector will have a plan to manage their allocation in a way that mutually benefits the sector members and avoids wasteful fishing practices. Therefore, the impacts of this alternative on the physical environment and EFH would be neutral to positive. However, specific impacts would have to be addressed as part of a sector operations plan at a separate time in the future. Because the details of sector management will be included in the operations plan and submission will be accompanied by appropriate NEPA documents, impacts on EFH would be evaluated by the proponents at that time and accepted by the agency with any accompanying caveats on the sector operations.

Interim measures for transition to limited entry

Overall, the impacts on EFH from both these alternatives will be positive in general, because they will limit capacity and mortality on the scallop resource. The alternative with the hard TAC option has a higher likelihood of controlling mortality up to 10% of the total projected catch, but depending on how the hard-TAC is implemented there may be impacts on EFH. While the initial fishing pressure may be more intense under a hard TAC system than without, it is uncertain if this will result in more or less impacts to the physical environment and EFH because the non-hard TAC system would merely spread out the effort over a longer portion of the year

which may not allow the physical environment and EFH as much time to recover from the effects of scallop fishing. The alternative with no hard-TAC option does not have a backstop for total mortality, but the number of vessels that can participate in this fishery is reduced compared to the open access nature of the current fishery, so compared to No Action this alternative may have positive impacts on EFH. Furthermore, both these alternatives would only be in place on a temporary basis, once the poll of final qualifiers is identified, then the rest of the measures adopted by Amendment 11 could be implemented, namely the allocation of a hard-TAC and allocation of that total general category TAC to qualifiers.

5.2.1.3 Hard Total Allowable Catch Limit (Hard TAC)

The total number of scallops that would be harvested if this alternative and the limited entry alternatives are adopted should be approximately the same under a limited entry system with or without hard TACs and a hard TAC without limited entry. The effort under both programs would be very similar. Typically a hard TAC fishery without trip or possession limits usually can trigger a derby fishery as the participants are not restricted to how much they can catch or possess until after the TAC is reached. Any hard TAC system has the potential for the TAC to be reached earlier than a non-TAC fishery due to the competition among the participants and this situation can result in unsafe fishing practices and fishing more intensively. While the initial fishing pressure may be more intense under a hard TAC system than without, it is uncertain if this will result in more or less impacts to the physical environment and EFH because the non-hard TAC system would merely spread out the effort over a longer portion of the year which may not allow the physical environment and EFH as much time to recover from the effects of scallop fishing. A hard-TAC compared to No Action would help control effort from the general category fishery, thus have beneficial impacts on EFH compared to No Action, because the total level of effort would be capped. The fishery would close once the TAC is reached. However, some vessels may be able to participate in other fisheries after the TAC is reached, thus potential benefits on EFH would be reduced if effort is moved into other fisheries.

5.2.1.4 Establish a Northern Gulf of Maine Scallop Management Area (NGOM)

No Action

This alternative would not have additional impacts on the physical environment and EFH since whatever is adopted in Amendment 11 would apply to this area as well.

Amendment 11 would not apply to the Northern Gulf of Maine

If this alternative is selected by the Council then any measures adopted in Amendment 11 pertaining to controlling capacity and mortality in the general category fishery would not apply. A hard TAC in both state- and federal-waters would be established for this area. Vessels would be limited to possession of up to 400 pounds of scallops per trip before the TAC is reached and 40 pounds of scallop meats per trip after the TAC is reached. There has not been a large set of scallops in the GOM for sometime, so the incentive to fish for scallops in this area has been minimal. While this alternative would make a GOM general category permit available to any vessel, many vessels are not expected to fish for scallops in this area since it is far from traditional scallop ports and most of the areas that have had scallop beds are in state waters or are presently in closed areas. With no limited entry program, this alternative could cause fishing to concentrate in the beginning of the year, which could be good or bad for habitat because the intensity of the habitat impacts would increase initially; however, this leaves more time for the

habitat to recover during the rest of the fishing year. The vessel remains restricted by the 400 pound per trip possession limit, which will reduce the incentive for a derby fishery as is common in a hard-TAC fishery with no possession or trip limits. This could offset the potential for a more concentrated fishery in the beginning of the fishing year. However, it is difficult to predict the behavior of the fishery at this time. Therefore, the habitat impacts are difficult to predict but may be slightly negative over the long-run.

Establish a Northern Gulf of Maine Management Area Limited Entry

Since this area would be under a hard TAC, entry into the fishery would be limited, and a 200 pound trip possession limit would be in effect, fishing effort would more likely be spread out over a longer portion of the fishing year as the incentive to fish before the TAC is met is mitigated by the limiting of participants in the fishery under the limited entry program. The vessel remains restricted by the 400 pound per trip possession limit which will reduce the incentive for a derby fishery as is common in a hard-TAC fishery with no possession or trip limits. This could offset the potential for a more concentrated fishery in the beginning of the fishing year.

Under the proposed action, vessels will be restricted by a 200 pound per trip possession or trip limit and can only fish with a 10.5 foot dredge. This is a smaller trip limit and a smaller dredge than is used in the traditional scallop fishery (limited access) and could have positive benefits for habitat by reducing the amount of benthic impacts by both a potential smaller area swept and a lighter dredge. However, the hard TAC counts towards both the NGOM TAC and the overall general category TAC, which could result in a derby and more intensive initial fishing effort at the beginning of the fishing year. However, it is difficult to predict the behavior of the fishery at this time. Therefore, the habitat impacts are difficult to predict but are likely slightly positive.

5.2.1.5 Monitoring Provisions

This alternative is largely administrative and, therefore would not impact the physical environment and EFH. However, an increased understanding of where General Category scallop vessels fish through the data collected in the vessel monitoring system (VMS) and or IVR may lead to a better understanding of which parts of the affected physical and EFH environment are being impacted.

5.2.1.6 Limited access fishing under general category rules

Permit or prohibit limited access vessels from fishing under General Category

No Action:

The overall cost of operation for a General Category vessel is lower than a Limited Access vessel because general category vessels on average operate smaller vessels, have smaller crews, have lower gear costs, etc. Therefore, general category vessels “can afford” to fish on a resource that is less optimal to get 400 pounds because their overhead is lower. However, many limited access vessels would not bother to fish for 400 pounds unless the resource available is concentrated and prices are high because their costs of operation are greater. It should be noted that it has been quite profitable for both fleets to fish for 400 pounds in recent years because the resource nearshore has been in good shape and the price for scallops has been higher than normal, so the economic incentives to fish for 400 pounds a day have existed.

As a permit privilege under the No Action, the Limited Access permit holders were allowed to fish under the General Category provisions while not on a scallop DAS. Because most LA permit holders were required to forfeit permits in other fisheries, some vessels make General Category trips when their LA DAS are used, but this level of effort is not expected to increase dramatically since there is a possession limit. If no action is taken regarding limited access vessels, fishing under the General Category, then there will be no limit on total catch for those vessels, however, they will still have a trip limit of 400 pounds. The impacts to habitat will be neutral because this scenario will not result in additional fishing by the Limited Access fleet as compared to the status quo.

Limited access permit holders subjected to same rules as General Category vessels:

A component of the limited access scallop fishery has participated under general category regulations consistently over time. If the LA vessels qualified under the selected permit qualification for a General Category permit, this alternative will subject the LA vessel to the GC rules while fishing on a GC permit. However, since only a small portion of the LA fishery has traditionally fished in the General Category, this alternative will reduce the capacity of the General Category fishery. This may not benefit habitat in the short-term nor the long-term since not all of the LA boats will opt into General Category rules. If the Limited Access participation in the General Category fishery is reduced overall, this alternative could have positive impacts on habitat.

Prohibit all limited access permit holders (full-time, part-time and occasional) from fishing under general category rules while not on a scallop DAS:

This option restricts participation in the General Category fishery more than the other alternatives because it does not allow any Limited Access vessels to fish under the General Category provisions. This alternative reduces the capacity of the Limited Access fleet by eliminating the option to fish under both Limited Access and general category provisions. This alternative is expected to have positive impacts on habitat by reducing potential effort by the Limited Access fishery under General Category rules.

Allocation of quota to limited access vessels under general category

These alternatives are not expected to have impacts on the physical environment and EFH since they are related to how scallop catch is allocated and monitored.

5.2.1.7 Allocation between limited access and general category fisheries (Objective #1)

No Action

Under the No Action, no allocation of a certain percentage of the total available scallop harvest to the general category fleet would occur. Because the General Category vessels are not subjected to a hard allocation, they may over- or under-fish the estimated amount. Continuation of this practice, in light of the increase in effort by the General Category in recent years, could result in negative impacts to the physical environment and EFH. Without a hard TAC or other output control for the general category fishery it makes it very difficult to predict fishing mortality for that fleet; thus, projections may underestimate impacts on the scallop resource and EFH.

Allocation of projected TAC for general category vessels

Habitat impacts of this alternative would be positive relative to No Action because catch, and therefore effort, would be controlled. The General Category fishery is generally limited to the inshore areas as the vessels are smaller than the Limited Access fishery. If one of the higher percentages is chosen and allocated to the GC vessels and the vessels retain similar characteristics (size, etc.), there may be negative impacts on nearshore habitat as the general category fishery primarily fishes in inshore areas that are more vulnerable to bottom disturbance. However, it is equally likely that increased effort would also be directed to open access coastal areas like the Great South Channel with highly energetic sandy habitat.

Allocation of yellowtail flounder bycatch TAC in access areas

Under the No Action alternative, 10% of the yellowtail flounder TAC (Georges Bank and SNE) is set aside as bycatch for the scallop fishery in access areas. The 10% bycatch cap is monitored through observer coverage, and total bycatch estimates are extrapolated from that data. Currently, YT bycatch from both the limited access and general category fleets are under the same TAC, and once the bycatch TAC is reached, the access area would close to all vessels. Because the General Category vessels are allocated a fleetwide allocation of access area trips, there may be less incentive to avoid bycatch. Further, the general category fleet is more inclined to use all access trips in areas closer to shore (Closed Area I and NLCA) than offshore access areas like Closed Area II. So general category vessels may contribute more to the YT bycatch in some areas and less in others. Furthermore, areas may open when it is more advantageous for one fleet to fish in an area than another, and if the bycatch TAC is reached in the early part of the year, the other fleet may not be able to take advantage of the access area because the total YT bycatch TAC has been caught.

An alternative to the No Action is to divide the bycatch TAC between the limited access and general category fisheries. Whatever overall allocation of the scallop yield is given to the general category fishery (2.5%-11%), the same percentage of the yellowtail flounder bycatch cap would be given to the general category fleet for access areas. This catch could not be retained or landed by general category vessels. This alternative would prevent one fleet of the fishery closing the access area for the other fleet. For example, if the 10% bycatch TAC was reached for Closed Area II during the winter months by limited access vessels before the majority of the general category fleet could access area, this alternative would prevent one fleet from closing the access area for another fleet. Because this alternative allows a fleet to continue fishing in the access areas when the area is closed to the other fleet due to the bycatch cap being met, it could better enable all allocated effort in an access area to be fished. If this alternative is approved at the same rate for all access areas, some areas like Closed Area II for the general category may not reach the TAC. The impacts of this alternative overall on EFH are minimal because they are indirect. If by dividing the TAC the TAC is not caught as fast, then it is possible that all effort allocated to that area could be fished. But if dividing the TAC does not affect the speed of either fleet catching their portion of the TAC then there are no impacts of this alternative.

5.2.1.8 Incidental catch

Overall both these alternative are not expected to have negative impacts on EFH because they do not include additional effort – these vessels are fishing for other species already. This level of scallop catch is not expected to increase incentives for vessels to target scallops so effort should

not increase and the number of vessels that can fish under Alternative 3.1.8.2 (new incidental catch permit) is restricted.

5.2.2 Measures to allow better and more timely integration of recent data

These alternatives are administrative in nature and suggest changing the beginning of the fishing year to better incorporate data into the management process in a timely manner. Therefore, no impacts to the physical environment and EFH are expected. However, if more recent information can be integrated into the projections used for management, estimated of fishing mortality and impacts should be more accurate.

5.2.3 Other measures

Trawl gear restriction

Current regulatory language would remain and all trawl vessels would be restricted to a 144 ft. trawl sweep. The Council intended the 144 ft. net sweep restriction to be exclusive to the scallop plan for all vessels targeting scallops using a net, and not to apply this restriction in other fisheries where scallops are caught more incidentally. The alternative to the No Action is to clarify that this trawl restriction is not intended for all vessels authorized to be in possession in excess of 40 pounds of scallop meats, except for vessels with a general category 1B permit and fishing under a multispecies or monkfish DAS. While this alternative could increase the size of the trawl net sweep that is in contact with the seafloor, this restriction was implemented incorrectly, and this alternative would make that regulatory change, so no habitat impacts are expected.

Possession limit of 50 bushels

No Action:

Current regulations would apply that limit possession to 50 bushels of in-shell scallops for all 1B general category scallop vessels. So if a vessel wants to land scallop meat, it would have to shuck at sea and not possess more than the 50 bushel equivalent of meats and in-shell scallops. This alternative reduces the ability for a vessel high-grade while fishing. But if a vessel wanted to catch 50 bushels and shuck scallops on the way back in, if 50 bushels comes out to be less than 400 pounds, this restriction could reduce fishing time and, therefore, positively impact the physical environment and EFH, unless the vessel decides to stay at sea and shuck 50 bushels and then make additional tows to total 400 pounds of meat.

Possession limit of 50 bushels shoreward of the VMS demarcation line and up to 100 bushels east of that line:

This alternative is independent of any other alternatives in the DSEIS and would not allow a vessel to possess, or land per trip more than 50 bu. (17.62 hl) of in-shell scallops shoreward of the VMS Demarcation Line, but it could possess up to 100 bushels east of the demarcation line. This alternative could result in an increase of fishing effort for vessels that want to shuck at sea and land the 400 pound possession limit of scallop meat because they could catch up to 100 bushels of in-shell scallops to cut out 400 pounds of meat. However, the vessel would have to discard any additional catch before crossing the VMS demarcation line and reduce the non-harvest mortality and associated fishing to catch it. This alternative could increase time gear is spent on the bottom as compared to the No Action alternative, which may result in negative

impacts to the physical environment and EFH but this time may be mitigated by the requirement to discard the excess which will limit the effort to catch it.

5.2.4 Summary of Impacts to Physical Environment and EFH

Overall, the impacts on the physical environment and EFH of alternatives considered in Amendment 11 are positive over the long-term as compared to the No Action alternative which allows for the continuation of unrestricted growth in the open access general category fishery. The impacts of the alternatives under consideration are included in Table 71.

Table 71. Summary of Impacts to Physical Environment and EFH of AM11 Alternatives

Alternatives	Proposed Action	Physical Environment and EFH Impacts	Discussion
3.1.2 Measures to control capacity and mortality in the general category scallop fishery			
No Action	Not selected.	Negative	Impacts of the additional effort are difficult to assess because the incremental effects of this additional effort may be relatively small in open access areas that are also impacted by bottom trawlers and limited access scallop dredge vessels. Potential unrestricted growth of open access fishery will likely have negative impacts on EFH by increasing effort.
Limited Entry	Selected.	Positive	By reducing the number of potential participants, over long-term will have positive impacts as effort is controlled as compared to No Action.
<i>Qualification criteria, time period and amount</i>	<i>1000 pounds, 3/1/2000-11/1/2004, best year landings indexed by 0.75 to 1.25 for years active in the fishery</i>	0	Only affect the contribution factor used to determine a vessels access to the resource (allocation), these alternatives will not have any adverse impacts.
<i>Allocation of access to GC limited entry permit holders</i>	<i>Individual allocations in pounds</i>	0/-	May increase effort if vessels allocated by trips vs. poundage change behavior to land more scallops per trip. Potential increase in effort is limited however because there is a maximum TAC for the entire fleet.
<i>Limited entry permit provisions</i>	<i>Selected</i>	0	While this alternative could increase capacity, if the total fishing mortality for the general category fishery is limited (i.e. hard-TAC) then there should be no additional impacts.
<i>Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear</i>	<i>Not Action selected</i>	0	Transfer of effort between trawls and dredges will be conservation neutral on the physical environment and EFH. As such, there would be no adverse impacts.
<i>Sectors and Harvesting Cooperatives</i>	Maximum 20% per sector option selected	+/0	Indirect impacts may be beneficial since voluntary sectors may be able to identify ways to fish more efficiently, potentially reducing bottom contact time and impacts.
<i>Interim measures for transition to limited entry</i>	10% IQ hard TAC selected	0/Uncertain	Overall, neutral because interim measures only. For the hard-TAC alternative - while the initial fishing pressure may be more intense under a hard TAC system than without, it is unclear if this will result in more or less impacts because the non-hard TAC system would merely spread out the effort over a longer portion of the year which may not allow the physical environment and EFH as much time to recover from the effects of scallop fishing.
3.1.3 Hard Total Allowable Catch (Hard TAC)	Not selected	Uncertain	While the initial fishing pressure may be more intense under a hard TAC system than without, it is unclear if this will result in more or less impacts because the non-hard TAC system would merely spread out the effort over a longer portion of the year which may not allow the physical environment and EFH as much time to recover from the effects of scallop fishing.
3.1.4 Establish a Northern Gulf of Maine Scallop Management Area (NGOM)			
		0/-	Vessel remains restricted by the 400 pound per trip possession limit which

Alternatives	Proposed Action	Physical Environment and EFH Impacts	Discussion
<i>No Action</i> <i>Amendment 11 would not apply to the Northern Gulf of Maine</i>	Not selected		will reduce the incentive for a derby fishery as is common in a hard-TAC fishery with no possession or trip limits. However, the limits on the General Category would not apply in the NGOM area which could result in a continuation of the trend of increasing effort by this category. However, it is difficult to predict the behavior of the fishery at this time. Therefore, the habitat impacts are difficult to predict but may be slightly negative over the long-run.
<i>Establish a Northern Gulf of Maine Management Area Limited Entry program (without a landings criteria)</i>	Selected with 200lb trip limit and hard TAC which applies to individual allocations and NGOM TAC.	0/+	Vessel will be restricted by a 200 pound per trip possession or trip limit and can only fish with a 10.5 foot dredge. This is a smaller trip limit and a smaller dredge than is used in the traditional scallop fishery (limited access) and could have positive benefits for habitat by reducing the amount of benthic impacts by both a potential smaller area swept and a lighter dredge. However, the hard TAC counts towards both the NGOM TAC and the overall TAC which could result in a derby and more intensive initial fishing effort at the beginning of the fishing year. However, it is difficult to predict the behavior of the fishery at this time. Therefore, the habitat impacts are difficult to predict but are likely slightly positive.
3.1.5 Monitoring Provisions	Selected. Requires landings and declaration of scallop trips through VMS	0	Administrative.
3.1.6 Limited access fishing under general category rules			
<i>Permit or prohibit limited access vessels from fishing under General Category</i>	Selected Permit LA vessels that qualify to fish under GC rules.	+	If No Action is taken, LA permit holders are allowed to fish under GC rules, no additional impacts are expected as the fleet dynamics will not change as compared to the status quo. If the Limited Access participation in the General Category fishery is reduced by options that have GC rules apply to LA vessels, positive impacts are expected on habitat. Under the proposed action this sector of the fishery will be allocated 0.5% of the total TAC and an overall limit on catch for limited access vessels that qualify under the general category. This will result in positive impacts as the Limited Access fleet's ability to fish under the General Category rules will be limited.
<i>Allocation of quota to limited access vessels under general category</i>	Selected Landings from LA under GC rules from a separate 0.5% TAC	0	Administrative.
3.1.7 Allocation between limited access and general category fisheries			
<i>Allocation of projected TAC for general category vessels</i>	Selected Allocation of 5.0% of total scallop catch to GC vessels	+	Would be positive relative to No Action because catch, and therefore effort, would be controlled.
<i>Allocation of yellowtail flounder bycatch TAC in access areas</i>	Not Selected	0/-	May result negative impacts if effort in the access areas increases as the area won't be closed to all fishing once bycatch cap is met. If the access area is an offshore area where the General Category do not usually fish (Closed Area II), this negative impact may not result.

Alternatives	Proposed Action	Physical Environment and EFH Impacts	Discussion
3.1.8 Incidental Catch	Selected Establish a new permit category on incidental catch.	0	These alternatives are expected to neutral impacts on EFH because they do not include additional effort.
3.2 Measures to allow better and more timely integration of recent data	Selected March 1 is issuance date of GC permit.	0	Administrative
3.3 Other measures			
<i>Trawl gear restriction</i>	Selected Clarification of 144 ft. net sweep restriction for those targeting scallops with a net	0	Administrative clarification.
<i>Possession limit of 50 bushels</i>	Selected Modify possession limit to 50 bushels shoreward of VMS line and 100 bushels seaward of VMS line	0/-	May result in negative impacts due to an increase of fishing effort by allowing the vessel to catch more than the current limit of 50 bushels. However, the vessel would have to discard any additional catch before crossing the VMS demarcation line and reduce the non-harvest mortality and associated fishing to catch it.

5.3 IMPACTS ON PROTECTED RESOURCES

5.3.1 Background

The Amendment 11 alternatives are evaluated below for their impacts on protected resources with a focus on threatened and endangered sea turtles, as noted in Section 4.0. As with the analyses provided in the last scallop management action, Framework Adjustment 18/39 to the Sea Scallop FMP, the species considered here are loggerhead, leatherback, Kemp's ridley and green sea turtles.

Both scallop dredge and scallop trawl gear will be addressed in this section, generally collectively, given they are the most commonly used gears by general category and limited access vessels in this fishery. Although general category permit holders also fish with a number of other gear types and accordingly may take scallops incidentally when engaged in other fisheries, the effects of those additional fishing activities and gears relative to impacts on sea turtles will not be addressed in this action.

As summarized in Section 1.1, the sea scallop fishery management program employs a limited access permit system and controls DAS use in scallop open areas. Limited numbers of trips with trip limits also are allowed in designated rotational access areas. Major harvest areas include Georges Bank, with less activity in the Gulf of Maine. Both are regions in which turtles are far less likely to be found relative to Mid-Atlantic waters where effort and scallop catch levels have increased in recent years. While there have been increases in scallop fishing effort in both regions, new directed general category scallop fishing effort has been added to the Mid-Atlantic fishery since 1994 (Figures 18-30). Although scallop fishing is a year-round activity, the distribution of turtles throughout most of the Mid-Atlantic is seasonal --- May through November. Therefore, a portion of scallop fishing occurs at times when turtles are not likely to be present.

With respect to sea turtle interactions with the fishery overall, it is tempting to attribute increases in turtle interactions over this period to increased effort, but it is equally noteworthy that there were very low levels of observer coverage throughout the fishery up to 2003. More uncertainty is added to any consideration of these issues given that observed turtle interactions were less in 2004 and 2005 compared to 2003.

Additional actions also may affect the nature of scallop fishery/ sea turtles interactions. Federally permitted scallop dredge gear now must be modified by adding an arrangement of horizontal and vertical chains, referred to as "chain mats", between the sweep and the cutting bar in an area that extends south of 41° 9.0 N from the shoreline to the outer boundary of the EEZ during May 1 through November 30 each year (71 FR 50361). The requirement is expected to reduce the severity of some turtle interactions with scallop dredge gear.

The Elephant Trunk Access Area in the Mid-Atlantic opened on March 1, 2007, allowing full-time limited access vessels to make three trips between the opening date and June 20, 2007, with the possibility of an additional six-month extension of the open period. Part-time vessels may take two trips in the ETAA but can also substitute these with Nantucket Lightship and Closed I trips in a specifically allowed manner. Continued access to the Georges Bank areas will likely

help reduce levels of fishing in the Mid-Atlantic region where sea turtle interactions are more likely to occur. The general category scallop fleet trip allocation is 865 trips in the ETAA.

The ETAA also will be closed seasonally to scallop fishing from September 1 - October 31, 2007, effective through 2012. This 2-month closure is intended to provide protection for threatened and endangered sea turtles that may interact with the scallop fishery in the Mid-Atlantic and to reduce small scallop and finfish discard mortality. Similarly, the Delmarva Area is closed to protect small scallops in that area. The projected opening date is 2010.

5.3.2 Measures to Control Capacity and Mortality in the General Category Scallop Fishery

Limited Entry

As an effort control tool, limited entry is generally viewed as a potential benefit to protected species in New England fisheries management. Under No Action, an unlimited number of participants could harvest sea scallops with an open access permit without meaningful controls on fishing mortality and any associated bycatch. In the limited entry scenarios under consideration there are three qualification criteria alternatives, three qualification time periods and two ways to calculate an allocation amount.

As indicated by the economic analyses the qualification criteria alternatives will have significant impacts on the number of general category vessels that may qualify for limited access. Of the alternatives that require a vessel to have a specific amount of landings, the number of qualifying vessels increases with the smaller the poundage criteria or a longer qualification time period. The 100 pound criteria combined with the 11 year qualification period will result in the maximum number of participants, 705, qualifying for limited access. The 5,000 pound criteria combined with the two-year qualification period will qualify the least number of vessels, 143. Total scallop landings for qualifiers based on their best year of landings, however, do not increase significantly even if the 11 year qualifying period is used because of relatively low scallop landings by general category vessels prior to the 2000 fishing year. According to the economic impact analyses provided, the poundage criteria has a larger effect on the number of qualifiers compared to the time periods under consideration.

By controlling fishing effort, any of the qualification criteria will likely reduce impacts on protected resources by potentially reducing risks of encounters with scallop gear, in comparison to no action. The alternative with the highest poundage may confer more optimal benefits because it qualifies the least number of vessels. Ultimately, however it is the amount of fishing effort occurring in areas and during seasons when turtles are most abundant that most affects increases or decreases in risks to sea turtles and not exclusively the number of vessels participating in the fishery. Sea surface temperature, depth, time-of-day and tow speed have been identified as variables affecting observed bycatch rates of sea turtles with scallop dredge gear (Murray 2004a; 2004b; 2005). However, the variable(s) associated with the highest bycatch rates changed from one year to another (e.g. sea surface temperature and depth) or could not be further analyzed (e.g., time-of-day and tow speed) because the information is not collected for the entire fishery (Murray 2004a; 2004b; 2005). Therefore, a single variable has not yet been found for forecasting sea turtle bycatch with scallop dredge gear. And although there was

discussion in Murray 2004 of the potential for hot spots to occur at certain depths that may or may not overlay with the fishery, the report noted the need for more sampling in shallower depth ranges to further explore this idea.

Determination of Qualification Amount

Taking into consideration the above statements, the impacts of the alternatives to determine the qualification amount relative to No Action will similarly have potentially positive impacts on protected species by defining and limiting each vessel's allocation of scallops in terms of a percent of the total general category allocation. Determining the differences in the impacts between the specific alternatives as well as the 50,000 cap is not possible given the information currently available on sea turtle bycatch. The proposed action qualifies vessels that held permits by the November 1, 2004 control date and with landings of 1,000 pounds in any given year during between FY 2000 and the 2004 control date. Approximately 369 vessels will qualify. This compares with the approximately 609 vessels that actively participate in the fishery under the No Action alternative.

Allocation of Access for Qualifiers

In general, the impacts on protected species resulting from the various allocation alternatives are not likely to be significantly different based on similar levels of allowed scallop harvest. Some effort increases, and consequently potentially negative impacts on protected species could occur, however, if access is granted in trips and not in pounds. This might be true if some general category vessels that may have historically landed an incidental level of scallops (less than 400 pounds) rather than trips close to the possession limit (See Section 5.1.1.2.4, Impacts of allocation alternatives on the scallop resource). The proposed action will allocate an individual amount of scallops in pounds, potentially mitigating possible negative impacts.

Hard TAC alternatives could also result in either potentially positive or negative impacts if effort increases/derby effects occur at the start of a fishing year or season. The outcome changes depending on the alternative selected for the start of the fishing year and the overlap of the fishery during the period and area when sea turtles are most abundant --- May through November in the Mid-Atlantic. The Council's proposed action does not include a change to the fishing year.

Limited Entry Permit Provisions

Measures to govern activities such as vessel sales, limited access permit transfers, permit-splitting, and changes to a vessel's size would apply to all general category permits that qualify for limited access if such a program is adopted. With the exception of vessel upgrade restrictions, in which a vessel might increase fishing power and the possibility in which one vessel could qualify two limited access general category permits, all measures relate to efficiency and consolidation and would not likely result in increases in fishing effort. A possibility also exists that the two exceptions also may not increase effort, but like the other measures, could enhance efficiency by actually decreasing overall fishing time for boats that, for example, take advantage of the upgrade provision. Few measurable impacts to potentially affected turtle species are likely to result should these measures be adopted. Few measurable impacts to potentially affected turtle species are likely to result should these measures be adopted.

The proposed measure to allow permit stacking on a permanent or temporary basis, up to two percent of the total general category allocation, on one vessel would likely result no increase or decrease in effort since actual fishing time is unaffected.

Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear

Because scallop trawl gear is believed to have greater impacts on scallop mortality, several alternatives reduce the incentive for qualifying vessels to target scallops with trawl gear. Because estimates of sea turtle bycatch in the scallop trawl fishery have become available only in 2007, it is difficult to determine if the measures being considered will affect sea turtle interactions if fishing with trawls overall declines. It should be noted, however, that the condition of turtles taken in the scallop trawl fishery (Murray 2007) indicates a greater number of animals taken alive versus those in the scallop dredge fishery which had preponderance of animals recorded as either injured or dead (Murray 2005).

Sectors and Harvesting Cooperatives

A sector or harvesting cooperative system would apportion part or all of fishery resources to various industry sectors. Sectors would be formed voluntarily based on gear used, permit category, vessel size, homeport, area fished, or some other grouping. Vessels not in a sector would remain in a common pool and operate under approved Council management. Allocation of sector TACs also would be determined by the Council. If the Council approves the general framework for allowing the formation of a sector, a detailed sector operations plan would be submitted to and approved by the NMFS Regional Administrator.

Because the details of sector management will be included in the operations plan and submission will be accompanied by appropriate NEPA documents, impacts on protected resources would be evaluated by the proponents at that time and accepted by the agency with any accompanying caveats on the sector operations.

Interim measures for transition to limited entry

Overall, the impacts on protected resources from both these alternatives will be positive in general, because they will limit capacity and mortality on the scallop resource. The alternative with the hard TAC option has a higher likelihood of controlling mortality up to 10% of the total projected catch, but depending on how the hard-TAC is implemented there may be impacts on protected resources. See Section 5.3.3 for a description of the expected impacts on hard TACs on protected resources. The alternative with no hard-TAC option does not have a backstop for total mortality, but the number of vessels that can participate in this fishery is reduced compared to the open access nature of the current fishery, so compared to No Action this alternative is expected to have positive impacts. Furthermore, both these alternatives would only be in place on a temporary basis. Once the pool of final qualifiers is identified, then the rest of the measures adopted by Amendment 11 could be implemented, namely the allocation of a hard-TAC and allocation of that total general category TAC to qualifiers.

5.3.3 Hard Total Allowable Catch (Hard TAC)

Hard catch TACs are conservation measures developed to minimize the risk of exceeding fishing mortality objectives in defined circumstances. They should not affect protected species other than, if adopted, they could result in the curtailment of activities in certain areas. Depending on

season and location, the removal of effort could result in some unquantifiable benefits to sea turtles.

Other alternatives, however, may affect protected species differently. A fleetwide hard TAC without limited entry is a scenario in which short-term effort might increase and accordingly potential negative impacts to sea turtles if there is overlap an overlap with sea turtle high use areas. Without the controls of limited entry, an undetermined number of vessels could enter the fishery to compete for the TAC. The proposed action calls for a division of the TAC by quarter, a scenario that could remedy the potential derby situation and its possible negative impacts, but only if the overlap between turtle high use seasons and areas and scallop effort is also considered.

5.3.4 Establish a Northern Gulf of Maine Scallop Management Area (NGOM)

The alternatives under consideration with respect to a distinct NGOM scallop management area are not likely to affect sea turtles in any way that is discernable from No Action. Given that scallop gear/turtle interactions have never been observed or reported for the Gulf of Maine and that the operation of a fishery is opportunistic depending on the resource availability, the presence or absence of a management system that is separate from the overall program developed for general category vessels should result in few if any measurable impacts on sea turtles. Further, the northern limit for hard shelled species is considered northern Cape Cod. While leatherback turtles have a broader distribution, they are only seasonally present GOM waters.

5.3.5 Monitoring Provisions

Whether there are additional reporting requirements through VMS or an IVR system, indirect but potentially positive benefits may result if more detailed reporting on catch, and in particular effort distribution and possibly other information, contributes to a better evaluation of the impacts of this fishery on protected and other marine resources. More timely information has clear benefits over the monthly reporting that is currently required for general category vessels.

5.3.6 Limited Access Fishing Under General Category Rules; Allocation of Quota to Limited Access Vessels Fishing Under General Category Rules

An alternative is proposed that would reduce capacity and effort in the general category fishery by prohibiting limited access vessels from fishing under general category rules. Under No Action, limited access vessels may fish under general category rules when not on a scallop DAS, or after their individual DAS have been used.

An additional alternative under consideration would allow limited access fishing under general category rules if a vessel qualifies under the same criteria that will apply to a limited access general category permit. A variation would allow only occasional and part-time limited access vessels to participate in the general category fishery if they qualify under the criteria selected for general category limited access.

With the exception of the prohibition on limited access vessels in the general category fishery possibly resulting in an effort reduction that could, in turn, potentially reduce the risk of sea turtle/scallop gear interactions, the alternatives above are likely to have few discernable impacts

on protected resources. In the remaining alternatives, effort will be either removed or attributed to either the general category or limited access allocation or placed in a separate allocation. In each case, effort will be neither removed nor added but reallocated. As evidenced in Murray (2007), and with the caveat that observer coverage has been lower on general category vessels overall, interactions with sea turtles can and do occur on both general category and limited access trawl vessels fishing with the same gear during months when sea turtles are most abundant.

The Council's proposed action prohibits limited access vessels from participation in the general category fishery unless they qualify under the same 1,000 landings criteria during the specified qualification period. A number of limited access vessels have been participating in the GC fishery under the status quo and are dependent on this activity as a component of overall revenue. Therefore, this action is not likely to increase effort, and the risk of increased interactions, but accommodates what has been accepted practice. The Council also identified 0.5 percent as the maximum projected annual scallop catch that will be allocated to this group of vessels.

5.3.7 Allocation Between Limited Access and General Category Fisheries

Whatever level is adopted, conservation measures to control harvest, such as a defined allocation of catch to general category scallop vessels versus a target TAC that is not accompanied by "backstop" measures to prevent the fishery from exceeding the TAC (No Action), are likely to have indirect and potentially beneficial impacts on protected species such as sea turtles. Direct limits on harvest effectively control effort and may, in turn, limit potential risks of interactions with sea turtles when overlaps with the affected species and the fishery occur. As was discussed in Section 5.3.2, however, there are few clear linear relationships between the level of effort and interactions between the scallop fishery in general (both limited access and general category vessels) and sea turtles.

Allocation of yellowtail flounder bycatch TAC in access areas

Allocation of the yellowtail flounder TAC would divide the yellowtail bycatch between the limited access and general category fisheries at a defined level. This management tool prevents one or the other fishery from taking the entire TAC and forcing the closure of the scallop fishery. Since it does not affect the overall TAC itself, impacts of the measure on sea turtles will likely not be measurable nor very different from No Action. The yellowtail flounder TACs also are applicable only to the Georges Bank fishery, an area in which sea turtles are rarely encountered.

5.3.8 Incidental Catch

The allowance of an incidental catch (not sale) of up to 40 pounds is not expected to affect scallop fishing effort and as such will not likely have any impacts on sea turtles or their potential interactions with the fishery. Furthermore, the alternative to establish a new incidental scallop permit is not expected to have negative impacts because the number of vessels that would be permitted to fish under this permit would be limited.

5.3.9 Measures to allow more timely integration of recent data

Possible changes to the start of the fishing year may affect protected species, depending on when the fishery begins and which allocation access alternative is adopted (IFQ versus a hard-TAC

without limited entry). While the change would improve the integration of fishery data into the management process, a fleet-wide hard TAC could increase the likelihood of derby fishing at the start of the fishing year. This outcome may have potentially negative results in the Mid-Atlantic if the fishing year begins on May 1 or August 1 --- a period when turtles are generally most abundant throughout the area. No Action would have a lower likelihood of potentially negative impacts, as would the issuance of general category permits on March 1. While turtles may be present in the Mid-Atlantic and even in areas subject to heavy fishing effort, the majority of animals are generally still south of the Mid-Atlantic in warmer waters in late winter. The Council did not include any changes to the fishing year as part of its proposed action and recommended the issuance date of general category permits be changed to March 1.

5.3.10 Other Measures

Trawl Sweep Restriction

The trawl sweep measure would retain the 144-foot restriction for scallop vessels but would clarify that vessels fishing on monkfish or multispecies DAS would not be bound by the requirement. This would not trigger any change to the impacts of scallop management measures or the fishery on sea turtles but may have impacts that are unknown at this time if effort in other fisheries is affected. The Council included this clarification as part of the proposed action.

Fifty Bushel Possession Limit East of the Demarcation Line

When adopted few if any impacts were attributable to the 50 bushel measure. The proposed change, a modification that addresses operational aspects of the fishery, would promote enforceability but is not likely affect sea turtles in any measurable way, although slight increases in fishing effort are possible.

The Council did include a measure in the proposed action that allows vessels to be in possession of up to 100 bushels of scallops east of the demarcation line only to accommodate vessels that are shucking to cut the allowed 400 pounds of scallops. A fifty bushels limit does not provide that opportunity

5.4 ECONOMIC IMPACTS

5.4.1 Overview of economic impacts

This section summarizes the economic analyses of the alternatives proposed by the Council through Amendment 11 to the Sea Scallop FMP. The regulatory guidelines require that the economic impacts of the proposed action and the alternatives be compared relative to the impacts likely to occur if “no action” is taken. No action here refers to continuation of the general category fishery as an open access fishery subject to the 400 lb. trip limit. Status quo refers to the management of the scallop fishery through framework action so as to achieve the biological targets set by Scallop FMP. This necessitates an adjustment in either limited access allocations and/or in possession limit for general category vessels when the fishing mortality exceeds target levels. The impacts of the proposed action and the alternatives including no action and status quo are discussed in Section 5.4.2 below.

5.4.1.1 Summary of impacts of limited entry, qualification criteria and period alternatives

The overall economic impacts of the limited entry proposed by this Amendment are expected to be positive for the sea scallop fishery compared to taking no action. Since with no action there are no limits on the number of trips a vessel could take and no limits on the number of vessels able to participate in the general category fishery, total fishing effort in this fishery could increase in response to higher scallop prices, to an increase in resource productivity, or to changes in fishing opportunities in other fisheries. As a result, scallop mortality could exceed sustainable levels, reducing the stock biomass, the future yield, and revenues from the scallop resource. This would have negative economic impacts on the consumer surplus by reducing landings and increasing prices. It would also have negative impacts on producer surplus by reducing revenues and increasing the costs of fishing per pound of scallops (due to lower LPUE). Consequently, total benefits, as measured as the sum of consumer and producer surpluses would decline under no action. Limited access, by itself, will not entirely eliminate these possible effects, but it will reduce the risks of overfishing of the scallop resource by preventing new entry to the general category fishery. Therefore, limited access will have positive economic impacts on the consumer and producer surpluses and total benefits for the nation compared to no action. As a result, limited access will prevent the profits of the qualifiers and limited access vessels from dissipating due to increase in capacity.

In addition to having a general category permit before the control date, Amendment 11 includes three qualification criteria alternatives (100 pound trip, 1,000 and 5,000 annual pounds), which are combined with three qualification time period alternatives (11 years, 5 years and 2 years before the control date) to determine the vessels that qualify for limited access. Proposed action will restrict the number of participants in this fishery to vessels that had a permit before the control date and meet the 1000 lb. poundage qualification criteria within the five-year qualification time period. There is also a stand alone alternative that would qualify all vessels that had a permit during the 5-year qualification period for limited access (3562 permits), but which would allocate an individual quota only to those vessels with landings of scallops of one pound or more (677 vessels). Table 72 shows the number of qualifiers for each of these alternatives, with qualification poundage determined according to each vessel’s best year of scallop landings. The number of limited access vessels that may qualify for access to general

category fishery is shown in Table 73. The impacts of these alternatives on limited access qualifiers could be summarized as follows:

- The proposed action will restrict the number of participants in the general category fishery to 369 vessels that had a permit before the control date and have landed at least 1000 lb. of scallops in their best year during the 5-year qualification period. As an average, these vessels as a group derived 61% of their fishing revenue from scallops in 2005 fishing year (Table 72).
- The smaller 100 lb. from one trip criteria would include more vessels (548 vessels) in the limited access program for the same 5-year period but would result in lower allocations per vessel. This would have negative impacts especially on those vessels that depend on scallop fishing for an important part of their income while providing little economic benefit to those vessels that catch scallops occasionally in small amounts as well to many vessels (247 vessels) that did not even participate in the general category fishery in recent years.
- The alternative 5000 lb. criteria would on the other hand reduce the number of qualifiers 188 vessels and thus would increase the allocation per vessel as compared to the proposed action. Given that these vessels as a group derived on the average 80% their revenue from scallops, this alternative would have larger positive impacts on general category vessels that target scallops while having a negative economic impact on many vessels that depend on the general category fishery as an important source of supplementary income.
- Qualification time period would have a smaller impact on the number of qualifiers compared to the poundage criteria. For example, increasing the time period for qualification from 5 years to 11 years would increase the number of qualified vessels from 369 vessels to 459 vessels with the 1000 lb. criteria. On the other hand, holding the qualification time period constant at 11 years, but increasing the poundage criteria to 5000 lb. would reduce the number of qualified vessels even more, to 203 general category permit holders (Table 72).
- A longer time period than proposed by this action would result in more vessels that were not active recently to qualify for limited access. For example, only 234 vessels out of 459 qualifiers with 11 year and 1000 lb. qualification criteria participated in the fishery in 2005 fishing year. The 5-year and 2-year qualification period will result in smaller number of vessels that were not active in recent years to qualify for limited access (Table 72).
- Under the proposed action (1000 lb. and 5-year period for qualification) if 1000 lb., 57 limited access vessels (38 full-time and 19 part-time and occasional) would qualify for general category limited access program. If instead 11-year period is selected, the number of limited access vessels that would qualify for general category access would increase significantly to 126 vessels, 96 full-time and 30 part-time and occasional (Table 73). This is partly because the 11 year period included the years from 1994 to 1998, during when the scallop productivity and average LPUE was low. Some limited access vessels may have taken more general category trips to compensate for the decline in scallop landings when they fished under day-at-sea during those early years, or some of the day-at-sea trips could have been included as general category trips (See Section 5.4.16.1 for further explanation).

Table 72. Number of qualifying general category vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.

Time period (Up to the control date)	Qualification Criteria	Number of vessels that were active and qualify for limited access	Average Best year landings per vessel (lb.)	Total best year scallop landings (lb)	2005 fish year	
					Number of active General category vessels	General category revenue as % of total revenue
11 years 4777 unique general category permits, 924 active vessels	100 lb. Criteria	705	6,084	4,289,220	318	50%
	1000 lb. Criteria	459	9,124	4,187,916	234	60%
	5000 lb. Criteria	203	17,757	3,604,671	131	80%
5 years 3562 unique general category permits, 677 active vessels	Stand-alone ITQ	677	5,872	3,975,344	344	48%
	100 lb. Criteria	548	7,232	3,963,136	301	51%
	1000 lb. Criteria	369	10,524	3,883,356	224	61%
	5000 lb. Criteria	188	18,475	3,473,300	130	80%
2 years 2876 unique general category permits, 482 active vessels	100 lb. Criteria	399	7,443	2,969,757	270	53%
	1000 lb. Criteria	277	10,518	2,913,486	201	62%
	5000 lb. Criteria	143	18,245	2,609,035	114	81%

Table 73. Number of qualifying limited access vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period (total of full-time, part-time and occasional)

Time period (Up to the control date)	Qualification Criteria	Number of vessels that were active and qualify for limited access		Average Best year landings per vessel (lb.)	Total best year scallop landings (lb)	General category scallop revenue as a % of total revenue (FT, 2005 fishing year)	General category scallop revenue as a % of total revenue (PT+OC, 2005 FY)
		Full-time	PT and OC				
11 years 367 active vessels with limited access permit	100 lb. Criteria	267	78	2,427	705,519	4%	18%
	1000 lb. Criteria	96	30	5,665	601,745	6%	20%
	5000 lb. Criteria	22	7	17,004	393,458	10%	22%
5 years 231 active vessels with limited access permit	Stand-alone ITQ	174	57	9,303	455,528	3%	11%
	100 lb. Criteria	144	49	2,973	453,204	3%	11%
	1000 lb. Criteria	38	19	7,707	393,286	5%	17%
	5000 lb. Criteria	12	7	17,862	310,442	9%	22%
2 years 131 active vessels with limited access permit	100 lb. Criteria	88	23	4,224	305,561	3%	13%
	1000 lb. Criteria	26	9	10,508	269,725	3%	20%
	5000 lb. Criteria	7	5	19,341	216,214	8%	22%

The combined impacts of the qualification alternatives and time-period on the general category permit holders are examined in Section 5.4.3 and the impacts of alternatives for limited access vessels are analyzed in Section 5.4.15. An analysis of general category qualifiers by primary state of landing is provided in Section 5.4.4.

5.4.1.2 Summary of impacts of general category TAC combined with access and allocation alternatives

Amendment 11 includes alternatives that would control scallop fishing mortality in the general category fishery by allocating a separate TAC for this sector. The proposed action would allocate 5% to the general category vessels and an additional 0.5% to the limited access vessels qualifying for general category limited access program. In general, the economic impacts of the TAC are expected to be positive for the sea scallop fishery as a whole compared to taking no action and status quo management for the following reasons:

- In the absence of measures that control overall scallop landings by general category vessels, it is still possible for the fishing mortality to increase beyond the target levels if the vessels that qualify for limited access increase the number of trips targeting scallops. This could have negative impacts on both the limited access and the general category vessels as scallop catch per day-at-sea declines and fishing costs per pound of scallops increase. The increase in costs and landings would reduce producer surplus for the scallop fishery. The decline in landings combined with an increase in prices could result in a lower consumer surplus. Therefore, no action could have negative impacts on the total national benefits, which is measured as sum of producer and consumer surpluses. If scallop harvest is allocated between limited access and general category vessels by a separate TAC for general category, the fishing mortality due to general category fishery will be prevented from exceeding the sustainable levels. Therefore, TAC allocation combined with limited access will have positive economic impacts both on the consumer and producer surpluses and total benefits for the nation compared to no action. (See Section 5.4.2, Section 5.4.3, Section 5.4.5, and Section 5.4.17 for further analysis.
- This will reduce the negative distributional impacts of overfishing from the general category fishing, since under status quo, any increase in overfishing of the scallop resource will need to be corrected through framework action. For example, the Council could reduce the DAS allocations for limited access vessels, negatively impacting the group of vessels that has been subject to strict effort controls since 1994. The Council could also reduce the possession limit for all general category vessels, affecting negatively most of the general category vessels that participate in the fishery and depend on scallops as a significant source of income.

If the general category fishery is managed by hard TAC, however, without limited access and/or without allocation of quota to individual vessels (either an individual quota or allocations to tiers), it could lead to a race to fish and market gluts, which could have negative economic impacts especially on smaller vessels that fish seasonally and cannot access all areas due to the constraints on their capacity. Fleet-wide hard TAC by trimester (3.1.2.4.7, Option B) or by quarter (3.1.2.4.7, Option A) will spread out the fishing season and reduce negative impacts from derby fishing and market gluts to some extent.

TAC management combined with limited entry and allocation for individual vessels (in terms of IQ in pounds or trips) will prevent derby-style fishing and the negative economic impacts associated with it. According to the individual allocation system (3.1.2.4.1), each vessel's share will be determined by determining their historical activity during a qualification time period. A vessel's contribution to historic landings can be calculated based on its best year or the best year indexed for years active in the scallop fishery. According to the proposed action each vessel's contribution factor will be determined by multiplying its best year landings by an index that varies with number of "years active". With the proposed action (option B) a higher weight will be assigned to years of activity, 1.25 for five or more years of activity, 1.125 for 4 years, 1.0 for 3 years and 0.875 for 2 years and 0.75 for less than one year of activity. The alternative option A would assign a relatively less weight (for example, 1.10 for 5 years instead of 1.25 with the proposed action) to the years of activity. The distributional impacts of these alternatives are analyzed in Section 5.4.7. Table 138 in the same section provides an example showing individual allocations for vessels with varying years of activity and best year scallop pounds.

These alternatives will determine the individual share of each vessel in the overall TAC for the general category fleet, which will be used to calculate individual allocations per vessel either in terms of pounds (Option A) or trips (Option B) corresponding to each TAC level. The proposed action will allocate pounds (IQ) to each vessel based on its contribution factor (weighted by years active) and general category TAC. One of the positive aspects of individual fishing quotas (IQ) is the elimination of the race-to-fish that occurs with a TAC management only fishery. Since an individual quota assures that each qualifier can land a given quantity anytime during the fishing season, the vessels will have the flexibility to select the time and the area to fish in order to minimize their costs and/or maximize their revenues. Since the fishing effort will be spread over a longer period of time, the price of scallops will be more stable throughout the season. This combined with the availability of a fresh and/or higher quality scallops over a longer season, will benefit consumers as well as producers. Trip allocation has an advantage over quota allocation in terms of monitoring and enforcement since with VMS it is easier to determine the number of trips per vessel than to monitor landings per trip. On the other hand, if some vessels land less than 400 lb. of scallops from their trips, total general category scallop landings could fall below the general category TAC, resulting in reduced revenue for the general category fleet. Trip allocation could also provide incentive for vessels spend more time at sea to increase their trip landings to the possession limit. This could increase trip costs and could also have some safety impacts if the trip is extended, for example, during difficult weather conditions.

The alternative with two permit categories would qualify any vessel that had landings of 5,000 lb. or more scallops for the full-time permit with a possession limit of 400 pounds, while any vessels landed less than 5000 lb. will receive part-time permit and would be restricted to a 200 pound possession limit (3.1.2.4.2). The three-tiered allocation alternative would allocate equal pounds to each vessel within each tier (3.1.2.4.3). Stand alone ITQ alternative (3.1.2.4.4) would allocate an individual quota only to those vessels with landings of scallops of one pound or more and permit trading or leasing of quo among all qualifiers, that is all vessels that had a permit during the 5-year qualification period for limited access. These alternatives could have larger negative distributional impacts on some vessels compared to the proposed individual allocation system as analyzed in Section 5.4.8 below.

5.4.1.3 Summary of economic impacts of allocation between limited access and general category fisheries

According to the alternative proposed by this amendment (3.1.7.2), the amount of TAC that will be allocated to the general category fishery will be based on a certain percentage of total available scallop harvest from the fishery, ranging from 2.5% to 11%. The proposed action will allocate 5% of the projected scallop harvest to the general category fishery and an additional 0.5% to the limited access vessels that qualify for general category limited access permit.

Overall short-term and long-term economic impacts of TAC allocation between the limited access and general category vessels are expected to be positive on total economic benefits, although these impacts could not be estimated quantitatively. This is because biological projections are done by assuming that fishing mortality will be kept at target levels and that limited access allocations will be determined by removing estimated general category landings from total scallop harvest. In other words, it is assumed that there will be no significant decline in total scallop biomass and yield due to this status quo policy of adjusting limited access day-at-

sea allocations to counteract an increase in general category effort. As a result, total scallop landings and prices, thus the consumer surplus, would not be significantly different under no action/status quo compared to the allocation of TAC as proposed with this Amendment. The analyses in this section show, however, that there would be a small increase in total producer surplus if a higher proportion of scallops are landed by limited access fishery rather than by general category fishery (Table 181 and Table 182). Although this increase is small (less than 1%) for the range of percentage TAC examined here (2.5% to 11% of total harvest), the proposed action would prevent a further reduction in producer surplus from a significant increase in general category effort above 11%. Therefore, total economic benefits, that is, the sum of consumer and producer surpluses, are expected to be positive compared to no action/status quo scenarios both in the short- and long-term.

The economic impacts of the TAC alternatives on general category and limited access vessels are examined in detail in Section 5.4.17 for scallop harvest levels ranging from 40 million lb. to 70 million lb. The biological simulations for the next 11 years indicated that sustainable scallop yield could vary between 56 million lb. (for the 2008 fishing year) to 68 million lb. (for the 2015 fishing year, Table 97), but levels less than these amounts (40 to 50 million lb.) were also included in this analysis to evaluate impacts in less favorable scallop resource conditions. TAC management will have distributional impacts on general category and limited access vessels. Landings and revenues for each percent of general category TAC are compared in Table 74 to the upper bound of 11%, which is close to the status quo level. According to Framework 18, the allocations for limited access vessels were determined by assuming that general category landings will constitute 11% of total scallop landings in 2006 and about 10% of total scallop landings in the 2007 fishing year. The economic impacts will vary according to the level of general category TAC as follows:

- With the proposed 5% general category TAC, general category scallop landings and revenue could decline by 55% compared to an 11% of scallop harvest for status quo if the future general category landings assumed to stay at this level. In reality, without limited entry the general category landings could increase (decrease) above (below) 11% of scallop harvest in the future if the scallop resource conditions are favorable (not favorable) and prices are high (low). For example, the general category landings constituted about 14% of the total scallop landings in 2005 and about 12% in 2006. Therefore, there is uncertainty regarding the levels of general category effort with a no action (or status quo) scenario. There is no question that the proposed 5% general category TAC will have negative economic impacts on the vessels that participate in the general category fishery by reducing the level of general category effort to the levels before the control date. On the other hand, 5% TAC for general category is very close to the highest value (5.26% in 2004 fishing year) for the share of general category fishery in total scallop landings during the pre-control date period. Therefore, the proposed action will have smaller impacts on vessels that participated in the general category fishery during the 5-year period prior to the control date but larger negative effects on recent participants that entered the fishery after the control date and targeted scallop heavily.
- The 5% general category TAC will have positive economic impacts on the limited access vessels by increasing estimated landings and revenues by this fishery by 7% compared to the status quo levels. Given that the DAS allocations for limited access under the status quo were determined after taking the predicted general category effort from total DAS

(11% in Framework 18), reducing the share general category fishery below the levels experienced recently will increase the total DAS available for the limited access vessels.

- A lower TAC for general category would have larger negative proportional impacts on general category vessels due to the lower volume of scallop landings by the general category vessels compared to landings by the limited access fishery. A higher percentage TAC will reduce the negative impacts on general category vessels, but will lower the positive economic impacts on the limited access vessels compared to a level of 11%. For example, Table 74 shows that if the general category were allocated at 2.5% of total scallop harvest, scallop landings and revenues for this fishery as whole and also for an average vessel could decline by 77% , whereas that of the limited access fishery could increase by 10% compared to an 11% TAC allocation for the general category fishery.

Table 74. Impacts of allocation on landings and revenues of the general category and limited access fleets

Total Scallop TAC (Million lb.)	GC TAC as a % of Total TAC	General category TAC (lb.)	Limited access landings, (lb.)	Estimated DAS-used per limited access vessel (1)	% Change in landings and revenue compared to 11% for GC TAC	
					General category	Limited access
40	2.50%	1.0	39.0	51	-77%	10%
40	5%	2.0	38.0	49	-55%	7%
40	7%	2.8	37.2	48	-36%	4%
40	10%	4.0	36.0	47	-9%	1%
40	11%	4.4	35.6	46	0%	0%
50	2.50%	1.3	48.8	63	-77%	10%
50	5%	2.5	47.5	62	-55%	7%
50	7%	3.5	46.5	61	-36%	4%
50	10%	5.0	45.0	59	-9%	1%
50	11%	5.5	44.5	58	0%	0%
60	2.50%	1.5	58.5	76	-77%	10%
60	5%	3.0	57.0	74	-55%	7%
60	7%	4.2	55.8	73	-36%	4%
60	10%	6.0	54.0	70	-9%	1%
60	11%	6.6	53.4	70	0%	0%
70	2.50%	1.8	68.3	89	-77%	10%
70	5%	3.5	66.5	87	-55%	7%
70	7%	4.9	65.1	85	-36%	4%
70	10%	7.0	63.0	82	-9%	1%
70	11%	7.7	62.3	81	0%	0%

(1) Assuming 334 full-time equivalent vessels and LPUE of 2,300 pounds per day-at-sea (see Section 5.4.17.4).

- TAC management could have significant negative economic impacts on those general category vessels (compared to status quo) to the extent the allocations are different from the historical levels and/or from the level of scallop landings in recent years. At a total scallop harvest of 50 million lb., for example, a general category TAC less than 6.5% will reduce the total general category landings below the levels in 2004 fishing year (3.2 million lb.) and will reduce the general category landings by one-half compared to the level of landings in 2005 fishing year (7.4 million lb.).
- The impacts of a TAC for general category fishery will not be uniform among the qualifying vessels, however, and will vary according to the qualification criteria and

qualification period alternatives. Qualification of a smaller number of vessels for general category access will reduce the negative impacts of a low TAC on vessels that have a higher dependence on general category fishery as a source of income. Clearly, the number of qualifiers will decline and average allocation per vessel will increase as qualification poundage criteria increases and length of qualification period shortens (Table 75). On the other hand, higher poundage and shorter qualification period alternatives will increase the negative impacts on vessels that will have no access to the general category fishery in the future (see discussion below in 5.4.1.4).

- The allocations for individual vessels qualify for limited access will vary from the averages shown in Table 75. General category vessels are shown in three groups in Table 76 according to their best year scallops landings during the qualification period. These groups also correspond to three tiers proposed by alternative 3.1.2.4.3, with tier-3 including vessels with 20,000 lb. or more landings and tier-1 those with scallop landings of less than 5000 lb. Similarly, tier-3 includes vessels with full-time permits and tiers 1 and 2 include vessels with part-time permits as proposed by alternative 3.1.2.4.2. Average allocation for each group is estimated for a total scallop harvest of 50 million lb. at varying percentage TAC for general category fishery.
- A general category TAC lower than the present levels of general category landings will reduce the allocations per vessel in the same proportion for each group of qualifiers. The absolute impacts as measured in terms of pounds of scallops will be larger, however, for vessels that land scallops in larger volumes and have a higher dependence on scallop fishing for their income. For example, for 62 vessels with historical landings of 20,000 or more scallops, an 11% TAC will result in an average allocation of 48,688 lb. with the 1000 lb. criteria and 5-year qualification period. If the percentage TAC is set at 5% as proposed by this action, however, this group of vessels would receive about 22,131 lb. as an average, a decline of more than 26,000 lb. compared to an 11% TAC and about 12,869 pounds less than the average best year landings of 35,000 pounds. In general, a percentage TAC of less than 7% will result in an allocation lower than the average best year landings for this group, except with 5000 lb. and 5 year criteria or with 2 year qualification period. On the other hand, the 181 vessels that landed less than 5000 lb. during the same period will have their allocations reduced by a smaller amount; by less than 3000 lb. with the proposed action of 5 % TAC (2,041 lb.) compared to an 11% TAC (4,489 lb.)
- The economic impacts of these alternatives on general category vessel landings, revenues, crew incomes and boat shares are examined in Section 5.4.17.3 for harvest levels ranging from 40 million to 70 million pounds of scallops. For example, for a vessel that have a high dependence on scallop revenue and landed about 35,000 lb. pounds, an allocation of 10,000 lb. could reduce net boat shares by 98% to 114%, a 20,000 lb. allocation by 59% to 68 % to depending on the scallop prices (Table 178). Under the proposed action, average allocation will be about 22,131 lb. per vessel. At this level, crew and boat shares will be lower than the levels corresponding to an average of 35,000 pounds (best year), but scallop fishing will still generate income for these vessels. If the price of scallops is \$6.00 per pound, a typical general category vessel that is less than 50 gross tonnage and derives 93% or more of its revenue from scallops is estimated to earn \$16,134 (boat shares net of fixed costs) if it receives 20,000 lb. of allocation (less than average under the proposed action) and is estimated earn \$28,996 (boat shares net of

fixed costs) if it receives 25,000 lb. allocation (more than average pounds under the proposed action). These figures do not include the revenue from species other than scallops. An increase in the price of scallops to \$7.60 would almost double net boat shares (Table 113 and Table 114).

- The impacts of general category TAC on limited access revenues, crew income and vessel shares are analyzed in Section 5.4.17.4. A 5% TAC is estimated to increase boat shares by 11% to 13%, and a 7% TAC is estimated to increase boat shares by 7% to 9%, compared to an 11% TAC (Table 181 and Table 182). A 2.5% TAC for general category is estimated to increase DAS-used per limited access vessel by 5 days compared to 11% TAC if the total scallop harvest was about 40 to 50 million lb. This increase is estimated generate about 15% to 19% increase in net boat share depending on LPUE and scallop price.

Table 75. Average scallop pounds per vessel by percentage of scallop harvest allocated to general category fishery

Total scallop harvest (Million lb.)	General category TAC as a % of total harvest	GC TAC (Mil. lb.)	11 Year period			5 year period				2 year period		
			100 lb. Criteria (705 vessels)	1000 lb. Criteria (459 vessels)	5000 lb. Criteria (203 vessels)	Stand alone-ITQ (677 vessels)	100 lb. criteria (548 vessels)	1000 lb. Criteria (369 vessels)	5000 lb. Criteria (188 vessels)	100 lb. Criteria (399 vessels)	1000 lb. Criteria (277 vessels)	5000 lb. Criteria (143 vessels)
40	2.50%	1.0	1,418	2,179	4,926	1,477	1,825	2,710	5,319	2,506	3,610	6,993
40	5%	2.0	2,837	4,357	9,852	2,954	3,650	5,420	10,638	5,013	7,220	13,986
40	7%	2.8	3,972	6,100	13,793	4,136	5,109	7,588	14,894	7,018	10,108	19,580
40	10%	4.0	5,674	8,715	19,704	5,908	7,299	10,840	21,277	10,025	14,440	27,972
40	11%	4.4	6,241	9,586	21,675	6,499	8,029	11,924	23,404	11,028	15,884	30,769
50	2.50%	1.3	1,773	2,723	6,158	1,846	2,281	3,388	6,649	3,133	4,513	8,741
50	5%	2.5	3,546	5,447	12,315	3,693	4,562	6,775	13,298	6,266	9,025	17,483
50	7%	3.5	4,965	7,625	17,241	5,170	6,387	9,485	18,617	8,772	12,635	24,476
50	10%	5.0	7,092	10,893	24,631	7,386	9,124	13,550	26,596	12,531	18,051	34,965
50	11%	5.5	7,801	11,983	27,094	8,124	10,036	14,905	29,255	13,784	19,856	38,462
60	2.50%	1.5	2,128	3,268	7,389	2,216	2,737	4,065	7,979	3,759	5,415	10,490
60	5%	3.0	4,255	6,536	14,778	4,431	5,474	8,130	15,957	7,519	10,830	20,979
60	7%	4.2	5,957	9,150	20,690	6,204	7,664	11,382	22,340	10,526	15,162	29,371
60	10%	6.0	8,511	13,072	29,557	8,863	10,949	16,260	31,915	15,038	21,661	41,958
60	11%	6.6	9,362	14,379	32,512	9,749	12,044	17,886	35,106	16,541	23,827	46,154
70	2.50%	1.8	2,482	3,813	8,621	2,585	3,193	4,743	9,309	4,386	6,318	12,238
70	5%	3.5	4,965	7,625	17,241	5,170	6,387	9,485	18,617	8,772	12,635	24,476
70	7%	4.9	6,950	10,675	24,138	7,238	8,942	13,279	26,064	12,281	17,690	34,266
70	10%	7.0	9,929	15,251	34,483	10,340	12,774	18,970	37,234	17,544	25,271	48,951
70	11%	7.7	10,922	16,776	37,931	11,374	14,051	20,867	40,957	19,298	27,798	53,846

Table 76. Distributional impacts of qualification criteria and qualification period alternatives combined with % TAC.

Best year landings per vessel (lb)	11 Year period			5 year period				2 year period			
	100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria	Stand alone-ITQ	100 lb. criteria	1000 lb. Criteria	5000 lb. Criteria	100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria	
>=20,000 lb. (average pounds of scallops per vessel were about 35,000 lb.)											
Number of vessels	62	62	62	62	62	62	62	44	44	44	
% share of TAC	49.7%	50.9%	59.1%	53.6%	53.8%	54.9%	61.4%	51.1%	52.0%	58.1%	
% TAC	GC TAC (Mil.lb.)	Average allocation (pounds) per general category vessel at 50 million lb. scallop harvest									
2.50%	1.3	10,419	10,671	12,398	11,241	11,276	11,508	12,867	15,084	15,376	17,170
5%	2.5	20,037	20,522	23,842	21,617	21,685	22,131	24,744	29,008	29,569	33,019
7%	3.5	28,052	28,730	33,379	30,264	30,360	30,983	34,641	40,612	41,396	46,226
10%	5.0	40,074	41,043	47,684	43,235	43,371	44,262	49,488	58,017	59,137	66,038
11%	5.5	44,081	45,147	52,452	47,558	47,708	48,688	54,436	63,818	65,051	72,642
5000 lb. to 19,999 lb. (average pounds of scallops per vessel were over 10,000 lb.)											
Number of vessels	141	141	141	126	126	126	126	99	99	99	
% share of TAC	34.3%	35.2%	40.9%	33.8%	33.9%	34.6%	38.6%	36.8%	37.5%	41.9%	
% TAC	GC TAC (Mil.lb.)	Average allocation (pounds) per general category vessel at 50 million lb. scallop harvest									
2.50%	1.3	3,167	3,243	3,768	3,482	3,493	3,565	3,986	4,832	4,925	5,500
5%	2.5	6,090	6,237	7,246	6,697	6,718	6,856	7,666	9,292	9,471	10,577
7%	3.5	8,526	8,732	10,145	9,376	9,405	9,599	10,732	13,009	13,260	14,807
10%	5.0	12,179	12,474	14,492	13,394	13,436	13,712	15,331	18,584	18,943	21,153
11%	5.5	13,397	13,721	15,942	14,733	14,780	15,084	16,864	20,442	20,837	23,269
<5000 lb. (average pounds of scallops per vessel ranged between 1,300 lb. with 100 lb. criteria to 2,300 lb. with 1000 lb. criteria)											
Number of vessels	502	256	None	489	360	181	None	256	134	None	
% share of TAC	16.0%	13.9%	0.0%	12.6%	12.4%	10.6%	0.0%	12.2%	10.5%	0.0%	
% TAC	GC TAC (Mil.lb.)	Average allocation (pounds) per general category vessel at 50 million lb. scallop harvest									
2.50%	1.3	572	980	No allo.	465	618	1,049	No allo.	855	1,404	No allo.
5%	2.5	1,113	1,905	No allo.	904	1,202	2,041	No allo.	1,662	2,731	No allo.
7%	3.5	1,558	2,667	No allo.	1,266	1,683	2,857	No allo.	2,326	3,823	No allo.
10%	5.0	2,226	3,809	No allo.	1,809	2,404	4,081	No allo.	3,324	5,461	No allo.
11%	5.5	2,449	4,190	No allo.	1,990	2,644	4,489	No allo.	3,656	6,007	No allo.

The impacts of qualification criteria and period alternatives on the vessels that could qualify for limited access combined with the impacts for different levels of general category TAC are analyzed in Section 5.4.5. The economic impacts of the contribution factor alternatives (including capping contributions at 50,000 lb.) combined with qualification criteria, period, and impacts of TAC are provided in Section 5.4.7. The impacts of the allocation access alternatives, including individual quota, tiered permits, and hard TAC alternatives are discussed in Section 5.4.8.

5.4.1.4 Summary of impacts of the qualification criteria and qualification period alternatives on recent participants in the fishery

The impacts of qualification criteria and period alternatives will not be uniform on the following groups of vessels, grouped here for purposes of demonstration according to their permit dates and their period of activity in the general category fishery (Table 77):

- Vessels that had a permit and were active before the control date and qualify for limited access (Group 1). Limited entry, in itself, will have positive economic impacts on the qualifying vessels since there will be a smaller pool of general category vessels to share any level of TAC allocated to this fishery. Limited access will protect the profits of these vessels from declining due to new entries especially during favorable times when scallop productivity and/or prices are high. Higher poundage criteria will qualify a larger proportion of vessels that have a higher dependence on scallop revenue compared to lower poundage alternatives. On the other hand, 100 lb. criteria combined with longer qualification period will distribute benefits of limited access among a larger number of vessels.

There will also be distributional impacts among the qualified vessels according to whether they participated in the general category fishery in the recent years and derived revenue from scallops. A longer qualification period will provide access to more vessels that were not active in the fishery in recent years. For example, only 318 out of 705 vessels that qualify with a 100 lb. criteria and an 11-year period participated in the general category fishery in 2005, landing 3.8 million lb. of scallops. Allocation of quota to all 705 vessels will reduce the share of qualifiers that were active in the recent years, and will have negative economic impacts on these vessels if level of TAC allocated to the general category is lower than the recent levels. The proposed 1000 lb. criteria combined with 5 year qualification period will reduce the number of qualifiers that were not active in 2005 fishing year (369 qualifiers minus 224 vessels active in 2005) to 145 vessels and, as a result, will reduce the negative distributional impacts on active qualifiers.

- Vessels that had a permit and were active before the control date but do not qualify for limited access due to the poundage criteria (Group 2): The number of these vessels will increase as the poundage criteria increases and the length of the qualification period shortens. The majority of these vessels was not active during recent years and therefore will not face a reduction in current revenue from scallops. For example, under the proposed action, 308 vessels do not qualify for limited access because they did not land 1000 lb. in their best year during the 5-year qualification period. Only 120 out of these 308 vessels landed scallops in the 2005 fishing year and their dependence on scallops as

source of revenue were relatively low (an average of 23%) compared to the vessels that qualify for limited access (an average of 61%, Table 77). Higher poundage criteria will have impacts on more vessels in this group. For example, with 5-year qualification period and 5000 lb. criteria, 214 out of 489 vessels would not qualify for limited access landed 1.2 million pounds and earned \$9.1 million revenue from scallops.

- Vessels that had a permit before the control date but were not active until after the control date and thus do not qualify for limited access (Group 3): All of the qualification criteria alternatives will have negative impacts on these vessels since they will have no access to the general category fishery. The number of such vessels that were active in 2005 varies from 152 vessels for an 11-year qualification period to 210 vessels for a 2-year qualification period. The smaller the period of qualification, the more vessels will be negatively impacted. For example, 210 vessels will disqualify for limited entry with the 2-year qualification period because they did not land any scallops in the 2003 and 2004 fishing years. These same vessels landed 2.1 million lb. of scallops and earned \$16.1 million revenue from scallops in the 2005 fishing year with scallops constituting over 50% of their revenue from scallops. The proposed 5-year qualification period will impact 172 vessels that did not land any scallops during this period but were active after the control date and in 2005 fishing year. The proposed action will result in a reduction of \$13.9 million in the total scallop revenue of this group of vessels.
- Vessels that did not have a permit before the control date and thus do not qualify for limited access but were active during the recent years (Group 4): Control date criteria will have adverse economic impacts on 81 vessels that did not have a permit before the control date and were active in the fishery in the 2005 fishing year. These 81 vessels landed 1.4 million pounds of scallops in 2005 and earned \$11.2 million from scallop fishing.

Table 77. Impacts by qualification criteria and time period alternatives compared to the recent participation in the fishery

Time Period	Qual Pound	Qualify	Vessel Group	The number of vessels active before the control date	2005 Fishing year					
					Number of active vessels	Scallop Revenue as a % of Total Revenue	Average scallop revenue per vessel (\$)	Average Revenue from other species per vessel	Average total revenue per vessel (\$)	Total scallop revenue (\$)
General category vessels that had a permit before the control date										
11 Years	Not active	NO	Group3	0	152	62%	86,069	133,974	220,043	13,082,434
	100	NO	Group2	219	46	22%	38,431	336,142	374,573	1,767,825
		YES	Group1	705	318	50%	91,806	209,199	301,005	29,194,439
	1000	NO	Group2	465	130	24%	41,490	347,717	389,207	5,393,692
		YES	Group1	459	234	60%	109,267	157,199	266,467	25,568,572
	5000	NO	Group2	721	233	28%	42,152	312,814	354,966	9,821,372
YES		Group1	203	131	80%	161,381	69,482	230,863	21,140,892	
5 years	Not active	NO	Group3	0	172	58%	81,021	148,091	229,112	13,935,636
	Stand alone	YES	Group1	677	344	48%	87,526	223,489	311,015	30,109,062
	100	NO	Group2	129	43	24%	37,044	288,418	325,462	1,592,874
		YES	Group1	548	301	51%	94,738	214,213	308,952	28,516,188
	1000	NO	Group2	308	120	23%	39,283	345,405	384,688	4,713,964
		YES	Group1	369	224	61%	113,371	158,177	271,548	25,395,098
	5000	NO	Group2	489	214	29%	42,581	316,778	359,359	9,112,295
		YES	Group1	188	130	80%	161,514	69,921	231,435	20,996,767
2 Years	Not active	NO	Group3	0	210	54%	77,154	177,612	254,766	16,202,289
	100	NO	Group2	83	36	24%	34,371	244,157	278,528	1,237,369
		YES	Group1	399	270	53%	98,537	208,384	306,921	26,605,040
	1000	NO	Group2	205	105	26%	42,961	312,458	355,419	4,510,888
		YES	Group1	277	201	62%	116,077	160,424	276,501	23,331,521
	5000	NO	Group2	339	192	31%	44,868	297,568	342,436	8,614,703
YES		Group1	143	114	81%	168,664	69,476	238,140	19,227,706	
General category vessels that had a permit only after the control date										
Do not qualify			Group4	0	81	87%	139,066	13,772	152,838	11,264,313

Section 5.4.6 provides an analysis of economic impacts on the vessels that participated in the general category fishery during recent years. Section 7.9.6 in IRFA and Tables 212 and 213 provide an extensive analysis of the economic impacts on the recent participants of the general category fishery by disaggregating vessels according to their relative dependence on scallops as a source of income.

5.4.1.5 Summary of impacts of the other measures proposed by this amendment and alternatives

The implementation of limited entry and management of the general category fishery by a quarterly 10% TAC followed by individual allocations once the transition period is completed will result in positive long-term economic impacts on the sea scallop fishery compared to status quo alternative (Section 5.4.12.1). Establishing a separate management area and TAC for NGOM

will have positive economic impacts on those vessels that are not qualified for limited access but qualify for an NGOM permit. These vessels will have an opportunity to land scallops in this area when the resource conditions are favorable. On the other hand, some of these non-qualifiers fish in other areas as well, but will not be able to do so with their NGOM permit (Section 5.4.14.4). Monitoring provisions (Section 5.4.15) are expected to have positive indirect economic benefits for the sea scallop fishery by improving the monitoring of the fishing effort in the general category fishery and ensuring better compliance with the regulations. The proposed action (3.1.2.5.4.4) will allow a vessel to stack up to 2% of the total general category allocation per vessel instead of restricting stacking to two permits or the stacking pounds to 60,000 lb (Section 5.4.9). This will help the vessels to maintain an economically viable operation if the allocations for separate vessels is too low to generate revenue to cover variable and fixed expenses. The economic impacts of the proposed incidental catch permit will be positive on vessels that do not qualify for limited access because it will allow them to still earn some income from scallops under the incidental catch permit (5.4.18.2). Changing the general category permit to March 1 to be in line with the limited access fishery (3.2.1.1) would allow better estimation of the number of participants and the level of effort in the fishery, and allocation of TAC (Section 5.4.19).

5.4.1.6 Summary of impacts of the proposed action on employment

The proposed action is expected to lower employment (as measured by CREW*DAS) in the general category and increase employment in the limited access fishery compared to the status quo management in the short-term. This is because the share of general category fishery in overall scallop landings will be reduced to 5% from the 11% under status quo, and even more compared to the recent levels (about 14% in 2005). The share of limited access fishery will increase, however, to 95% including the additional 0.5% share for limited access vessels that qualify for access to general category fishery. As a result, the DAS allocation per limited access vessel is estimated to increase by about 4 days-at-sea for a total scallop harvest of 50 million pounds compared to status quo (Table 74).

Table 78 provides a scenario analysis of the impacts of the proposed action on employment in the scallop fishery in the short-term using the 2005 fishing data. The level of scallop landings in this year was about 53 million pounds, which is within range of the recent biological projections. The data for average crew, days-at-sea and scallop pounds per trip was obtained from the observer data for 2005 and total scallop landings of the general category vessels are estimated from 2005 dealer data (see Table 57 and Table 59 in Section 4.4.6). Total number of limited access vessels is expressed in terms of full-time equivalent vessels by taking into account the proportional DAS allocations for each category (i.e., part-time and occasional) relative to full-time vessels. General category trips by limited access vessels are not included in the total landings for the simplicity of the analysis and since these trips constitute a small percentage of the overall scallop harvest. Number of trips for each permit category is estimated by dividing total scallop landings by pounds per trip. For general category vessels it is assumed that trip landings will equal to the possession limit, i.e., 400 pounds per trip. In other words, this analysis calculates total effort in the fishery assuming these trips targeted scallops. If a vessel landed less than 400 pounds or land scallop as a bycatch, the estimated day-at-sea used for scallops fishing should be reduced by the time spent to land other species. On the other hand a many vessels land other species while landing 400 pounds of scallops per trip, such as the trawl vessels fishing for

groundfish. Total CREW*DAS is estimated by multiplying average crew for each permit category by the estimated DAS.

Total scallop landings under the proposed action is assumed to stay at the same levels as in 2005 except that total general category vessels are allocated 5% of the scallop harvest while the limited access vessels fishing under the DAS are allocated 94.5 % of the scallop yield. In addition, it is assumed that the total general category allocation is divided among 369 qualifying vessels. Table 78 shows that the proposed action could lead to a 15% reduction (Scenario A) in overall employment in the scallop fishery despite the increase in employment in the limited access fishery. Scenario A presents the worst case scenario, however, by assuming that the reduction (63%) in general category landings (from about 7.2 million to 2.6 million pounds) will reduce the DAS and CREW*DAS (as a proxy for employment) in exactly the same proportion (63%) for all general category vessels. In fact, those vessels that mainly target other fisheries may not significantly reduce their DAS and/or crew when prevented to land scallops under the limited access program. Similarly, the proposed action could have little impact on employment for those vessels that qualify for limited access but have a small dependence on scallops as a source of income. Section 7.9.6 in IRFA and Tables 212 and 213 provide information on the varying levels of dependence on scallops by the recent participants of the general category fishery.

In order to provide a range of impacts Scenario B estimated employment in the general category fishery by adjusting CREW*DAS with the average percentage of revenue (56%) from scallops for the general category fishery in 2005. In other words, it is assumed that part of employment for the general category vessels are attributed to fishing for other species which is assumed to stay at the same level after the implementation of the proposed action. Even with this assumption, the overall employment in the scallop fishery is expected to decline by 6% in the short-term. The impacts on the employment will also depend on many factors, including the number of crew employed and the day-at-sea per trip in the general category and limited access fisheries. Since the total fleet scallop landings and revenues are not expected to change with the proposed action, total crew income for the employed is not expected to change significantly in the short-term.

The proposed action is expected to have positive impacts on employment over the long-term and compared to taking no action by preventing a decline in scallop landings and revenues caused by overfishing of the scallop resource due to further expansion of the general category fishery. Under no action, letting more vessels to enter the general category fishery and/or letting fishing effort by the participants in this fishery could lead to overfishing. Consequently, this could result in more stringent effort reduction measures, such as reduced DAS allocations for the limited access fishery and/or lower possession limits for the general category fishery. The dissipation of the profits of the historical participants of general category fishery and of the limited access vessels that employ majority of crew members in the scallop fishery will likely to result in less employment and a reduction of crew incomes in this fishery. Therefore, the proposed action is expected to have positive impacts on employment over the long-term and compared to taking no action. Crew incomes are also expected to be higher than the levels under no action, since the proposed action will restrict new entry in the general category fishery and prevent the dissipation of profits and producer surplus including the rent to crew. No action could lead to a decline in

total revenues and an increase in fishing costs as the increased fishing effort in the general category fishery leads to overfishing and reduction in scallop yield. Higher revenues and profits under the proposed action will also have positive indirect and induced multiplier effects on the economy and employment. Indirect impacts include the impacts on sales, income and employment and value added of the industries that supply commercial harvesters, such as impacts on marine service stations that sell gasoline and oil to scallop vessels. The induced impacts represent the sales, income and employment resulting from expenditures by crew and employees of the indirect sectors. An input/output analysis conducted by NMFS (1998) estimated that sales, income and employment multipliers for the sea scallop fishery in the Northeast Region. The sales multiplier for the coastal counties in Northeast was estimated to be approximately 1.8 in 1996 for the scallop dredge and trawls.

Table 78. Short-term impacts on employment

Data	General category vessels	Limited access vessels	Total
2005 fishing Year Levels			
Number of vessels	597	334	931
Average crew	3.2	7.8	
DAS per trip	1.7	8.6	
Total crew	1,910	2,605	4,516
Total landings in 2005	7,251,472	44,917,224	52,168,696
Landings per trip	400	15,947	
Total number of trips	18,129	2,817	20,945
Total DAS	30,819	24,223	
Total Crew*DAS	98,620	188,941	287,561
Proposed Action: Scenario A			
Number of qualified vessels	369	334	
Landings with 5% GENERAL CATEGORY TAC	2,660,705	49,507,991	52,168,696
Total number of trips	6,652	3,105	
Total DAS	11,308	26,699	
Total crew	1,181	2,605	3,786
Total Crew*DAS	36,186	208,252	244,438
Scenario A: Percentage change from 2005 level			-15%
Proposed Action: Scenario B			
Total adjusted Crew*DAS by without limited access	55,227	188,941	244,169
Total adjusted CREW*DAS with the proposed action	20,264	208,252	228,516
Scenario B: Percentage change from 2005 level			-6%

5.4.2 The impacts of no action and status quo management

Under no action the general category fishery would remain an open access fishery subject to the 400 lb. trip limit. Since there are no limits on the number of trips a vessel could take or no limits on the number of vessels to participate in the general category fishery, total fishing effort could increase in response to higher prices and/or increase in resource productivity. This has been the case during the last six years, as the number vessels participated in the general category fishery increased steadily from 204 in 2000 to 603 in 2005 fishing year (Table 41) and the general category landings increased from 1.09% in 2000 to 14.09% of the total scallop landings in 2005 fishing year. With the present regulations, there is no guarantee that the general category fishing effort and scallop fishing mortality from this fishery will not continue to increase in the future as

it has been in the past. For example, if an additional 400 new vessels entered the general category fishery in the next five to six years and total number active general category vessels increased to 1000 vessels landing an average of 10,000 lb. per year as it has been during the last couple of years, total landings by this fishery could exceed 10 million lb. of scallops. It is not possible to predict accurately the potential increase or decrease in effort and scallop landings by general category fishery since that would depend on many factors such as scallop prices, costs, relative earning from other fisheries and productivity of the scallop resource. Potentially, it is always possible, however, for the new entry into the general category to accelerate, and general category scallop landings to grow excessively. If there is no action, that is, there are no new regulations to prevent an increase in fishing effort by the general category fishery, there will always be a potential risk for the scallop mortality to increase beyond sustainable levels and for the scallop biomass to decline due to overfishing. If that happens, there is no question that the future yield and revenues from the scallop resource would decline, negatively affecting the vessels both with general category and/or limited access scallop permits. Under the “no action” scenario, impacts on the consumer benefits may also be negative due to reduced scallop landings in the future, coupled with possibly higher scallop prices. Similarly, producer benefits would decline over the long-term due to lower landings and revenues and higher fishing costs caused by the decline in the productivity of the scallop resource, measured by LPUE (landings per unit effort).

However, under the status quo management, any short term increase in overfishing of the scallop resource will need to be corrected by framework action in accordance with the Sea Scallop FMP regulations. If there is an increase in scallop fishing mortality due to an increase in general category effort, the Council could adopt stringent regulations to reduce overfishing and achieve target mortality. For example, the DAS allocations for the limited access vessels could be reduced, negatively impacting the group of vessels that has been subject to strict effort controls since 1994. In fact, in Framework 18, DAS allocations for the limited access vessels were determined by assuming that general category landings will reach 11% of total scallop harvest in 2006 and 10% of the harvest in 2006. According to the dealer data for fishing years 2005 and 2006, however, actual landings by general category fishery were above these levels, with 14.09% of total landings in 2005 and 12.18% of total scallop landings in 2006. Under status quo, the DAS allocations for limited access vessels could be reduced in the future frameworks to adjust for this unexpected increase in general category landings. Such an action would undoubtedly redistribute income from the limited access vessels to the vessels with general category permits. The Council could also reduce the possession limit for all general category trips, affecting negatively all the general category vessels participate in the fishery and depend on scallops as a significant source of income.

5.4.3 The impacts of limited access, the qualification criteria and time period alternatives on general category permit holders and on the number of vessels that qualify for limited access

The overall economic impacts of the limited entry are expected to be positive for the sea scallop fishery compared to taking no action. Overall, short-term and long-term economic impacts on consumer and producer surpluses and total economic benefits are analyzed qualitatively. This is because biological projections are done by assuming that fishing mortality will be kept at target levels and that limited access allocations will be determined by removing estimated general

category landings from total scallop harvest. Section 5.4.17.2 examines, however, the distributional impacts of a TAC allocation on scallop revenues, costs and producer surplus for both the general category and limited access fisheries. If it is assumed that there will be no significant decline in total scallop biomass and yield due to status quo policy of adjusting limited access day-at-sea allocations to counteract an increase in general category effort, total scallop landings and prices would not be significantly different status quo compared to the allocation of TAC as proposed with this Amendment. Since with no action there are no limits on the number of trips a vessel could take and no limits on the number of vessels able to participate in the general category fishery, total fishing effort in this fishery could increase in response to higher scallop prices, to an increase in resource productivity, or to changes in fishing opportunities in other fisheries. As a result, scallop mortality could exceed sustainable levels, reducing the stock biomass, the future yield, and revenues from the scallop resource. This would have negative economic impacts on the consumer surplus by reducing landings and increasing prices. It would also have negative impacts on producer surplus by reducing revenues and increasing the costs of fishing per pound of scallops (due to lower LPUE). Consequently, total benefits, as measured as the sum of consumer and producer surpluses would decline under no action both in the short- and the long-term. Limited access, by itself, will not entirely eliminate these possible effects, but it will reduce the risks of overfishing of the scallop resource by preventing new entry to the general category fishery and by restricting the number of participants in this fishery to vessels that meet the poundage qualification criteria within a qualification time period. As a result, consumer and producer surpluses and total economic benefits are expected to be positive with limited access compared to no action levels. Under the status quo management, however, an increase in general category effort could result in a decline in the allocations, revenues and profits for limited access vessels as examined in Section 5.4.17.

For the same reasons, the proposed action is expected to have positive impacts on employment in the sea scallop fishery over the long-term. If no action is taken, the dissipation of the profits of the historical participants of general category fishery and of the limited access vessels that employ majority of crew members in the scallop fishery will likely to result in less employment and a reduction of crew incomes in this fishery.

The distributional economic impacts of limited access will not be uniform since some vessels will be prevented from access to the general category fishery in the future. This section provides an analysis of the control date, qualification time period and qualification poundage criteria alternatives on the general category permit holders (both the number of permit holders that qualify and do not qualify for limited access). The economic impacts of these alternatives on the active participants of the general category scallop fishery are discussed in Section 5.4.6 relative to the recent activity of these vessels. In Section 5.4.5 these impacts are analyzed in combination with the impacts of TAC management.

Table 79 shows the number of unique general category permits issued before the control date (Nov.1, 2004) corresponding to the three qualification periods as well the permits issued for the first time after the control date. The control date requirement will affect many vessels that had a general category permit before the control date depending on the qualification time period and the qualification criteria alternatives. There were over 4777 unique vessels that had a general category permit in one or more years during the 11 years from 1994 to the 2004 fishing year up to the control date. The number of potential general category permits that may qualify for limited access will vary with the qualification time period, however. For example, the number of general category permit holders that had a permit before the control date would decline to 3562 vessels for the 5 year qualification period (from 2003 fishing year to 2004 up to the control date) was implemented and to 2876 permits for the 2 year qualification period (from 2003 fishing year to 2004 up to the control date).

The control date requirement will also impact those vessels that had a general category permit for the first time after the control date. There were 699 permit holders that obtained a general category permit for the first time on or after the control date (Nov.1, 2004) as of September 2006. This number could increase if more new general category permits are obtained in 2006 and 2007 application years. None of these vessels will qualify for limited access according to the control date criteria. Since the majority of these general category permit holders, i.e., 580 vessels, never participated in the general category fishery, the control date requirement will not have any impact on the current income of these vessels, as will be discussed further below in Section 5.4.6. All of these vessels will incur a loss in future potential income, however, since they will not be able to participate in general category fishery in the future unless they buy access general category permit from a vessel that qualify for limited access. The control date criteria will have negative economic impacts, however, on the 119 vessels that participated in the general category fishery during the recent years as will be discussed in the next section.

Table 79 Unique number of general category permits and active vessels by various periods of qualification

Period	Unique number of general category permits	Number of active general category vessels (landed 1lb. or more scallops)	Number of vessels that did not land any scallops
General category permits obtained before the control date			
11 year qualification period: 1999 - 2004 (1)	4777	924	3853
5 year qualification period: 2000 - 2004 (1)	3562	677	2885
2 year qualification period: 2003 - 2004 (1)	2876	482	2394
General category permits issued for the first time on or after the control date			
Total of 2004-06	699	119	580
New permits in 2004 AP year (2)	210	NA	
New permits in 2005 AP year (3)	373 (109 VMS and 264 No-VMS permits)	81	
New permits in 2006 AP year (4)	116 (39 VMS and 77 No-VMS)	88	

NOTES:

- (1) Includes 2484 general category permits obtained during 2004 application year before the control date.
- (2) 28 of the 210 vessels did not renew their permits in the subsequent years.
- (3) This number shows the new additional permits issued in 2005, i.e., the number of general category permits that were issued for the first time in 2005. 555 out of the 2873 vessels that obtained a general category permit in 2005 application year did not have a permit before the control date. 182 of these obtained their permits, however, for the first time in 2004 after the control date, and 373 vessels obtained general category permit for the first time in 2005 application year. Only 81 vessels that had obtained a permit after the control date landed scallops in 2005 fishing year.
- (4) This number shows the new additional permits issued in 2006, i.e., the number of general category permits that were issued for the first time in 2006. Although there were 499 of the general category permits issued in 2006 application year were obtained by vessels that did not have a general category permit before the control date, 383 of these permits were obtained in 2004 and 2005 application years after the control date, and 116 new general category permits were issued for the first time in 2006. Only 88 vessels that had obtained a permit after the control date, including those obtained their permit in 2004 and 2005 application years, landed scallops in 2006 fishing year (up to Jan.2007).

The qualification criteria alternatives will have significant impacts on the number of general category vessels that may qualify for limited access. These alternatives require that a vessel have a record of a specific amount of scallop landings either from a trip (100-lb. criteria) or annually (1000 lb. or 5000 lb. criteria) in any fishing year during the qualification time period in order to qualify for limited access. It is evident from Table 79 (the last column) that the number of general category vessels that landed some amount of scallops constituted a small subset of vessels that had a general category permit. For example, even if every vessel that landed one pound of scallops qualified for limited access, the number of qualifiers will decline from 4777 (2876) permit holders to 924 (482) vessels under the 11 years (2 years) qualification period. The actual number of vessels that would qualify for limited access will be smaller than these since even the least restrictive qualification criteria, 100 lb. alternative, requires vessels to have landed at least 100 lb. of scallops from one trip during the qualification time period.

The impacts of the qualification alternatives on the number of vessels that may qualify for limited access are examined in Table 80. This table includes only those vessels which had a permit before the control date and landed some amount of scallops during the qualification time period. As expected, the number of vessels that will qualify for limited access increase if smaller poundage criteria are applied or a longer qualification time period is implemented. The 100 lb. criteria combined with 11 year qualification period will result in the maximum number of participants, 705 vessels, qualifying for limited access. On the other hand, 5000 lb. criteria

combined with a two year qualification period will qualify the least number of vessels, only 143, for limited access. Total scallop landings for the qualifiers, based on their best year of landings, do not increase very significantly, however, for the extended qualification period (11 year) due to the lower level of scallop landings by general category vessels prior to the 2000 fishing year.

Table 80 shows that the poundage criteria have a larger affect on the number of qualifiers compared to the qualification time period. For example, reducing time period for qualification from 11 years to 2 years the number of qualified vessels decreases from 459 vessels to 277 vessels with the 1000 lb. criteria. On the other hand, holding the qualification time period constant at 11 years, but increasing the poundage criteria to 5000 lb. would reduce the number of qualified vessels even more, to 203 general category permit holders. This number declines to only 188 vessels with the 5000 lb. criteria if qualification time period is reduced to 5 years, and to 143 if it is reduced to 2 years.

Table 80. Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.

Time period/ Number of general category permits	Qualification Criteria	Qualified for limited access	Number of active vessels	Total scallop landings (lb., Best year)	Avg. Scallop landings per vessel (lb., best year)*	Min. Scallop landings per vessel (lb. best year)	Max. Scallop landings per vessel (lb. best year)
1994-04 (11 fishing years up to the control date)							
Total unique general category permits= 4777	100 lb. Criteria	NO	219	27,618	126	1	>1800
		YES	705	4,289,112	6,084	100	>50,000
Number of vessels that did not land any scallops=3853	1000 lb Criteria	NO	465	130,428	280	1	>900
		YES	459	4,187,989	9,124	1000	>50,000
Active vessels = 924 Total scallop landings (best year)= 4.3 million lb.	5000 lb. Criteria	NO	721	713,786	990	1	>4,800
		YES	203	3,604,631	17,757	5000	>50,000
2000-04 (5 fishing years up to the control date)							
Total unique general category permits= 3562	100 lb. Criteria	NO	129	12,397	96	1	>1800
		YES	548	3,963,266	7,232	100	>50,000
Number of vessels that did not land any scallops=2885 Active vessels=677	1000 lb. Criteria	NO	308	93,091	302	1	>900
		YES	369	3,883,173	10,524	1000	>50,000
Total scallop landings (best year)= 3.9 million lb.	5000 lb. Criteria	NO	489	502,964	1,029	1	>4,800
		YES	188	3,473,300	18,475	5000	>50,000
2003-04 (2 fishing years up to the control date)							
Total unique general category permits= 2876	100 lb. Criteria	NO	83	7,888	95	1	>1800
		YES	399	2,969,856	7,443	100	>50,000
Number of vessels that did not land any scallops=2394 Active vessels=482	1000 lb. Criteria	NO	205	64,204	313	1	>900
		YES	277	2,913,614	10,518	1000	>50,000
Total scallop landings (best year)= 2.9 million lb.	5000 lb. Criteria	NO	339	368,799	1,088	1	>4,800
		YES	143	2,609,019	18,245	5000	>50,000

Note: Averages and sums are calculated without assuming a 50,000 lb. upper limit. This is just the historical data.

5.4.4 Analysis of qualification criteria and period alternatives by primary state of landing, primary gear and scallop pounds per trip

The impacts of various qualification criteria and time-period for qualification on participants from various states (determined by their primary state of landing) are not expected to be uniform (Table 83). Table 87 through Table 90 show the number of qualifiers by primary state of landing for various alternatives. These numbers are considerably less than the total number of general category permits shown in Table 81 (by each application year) and in Table 82 (by the last general category permit during a specific period of time) because only a subset of vessels landed any scallops during the qualification periods.

It seems that a shorter period of qualification will impact the vessels which primarily land in Maine than vessels which land in other states. For example, if a 1000 lb. criteria and 5 year period is used for qualification criteria, about 70 vessels from Maine, 148 vessels from MA and NH, 11 vessels from RI and CT, 81 vessels from NY and NJ and 59 vessels from other states in Mid Atlantic would qualify for limited access general category permit. Increasing the time period to 11 years (1994-2004 before control date) from 5 years could qualify, however, about an additional 60 vessels from Maine with the 1000 lb. criteria, or a total of 130 vessels. If instead 100 lb. criteria were selected for 11 year qualification period, a total of 186 vessels with a primary state of landing from Maine will qualify. For vessels that land in MA and NH, however, the impacts are smaller in terms of the number of vessels qualify for limited access. If 11 year period and 1000 lb. qualification criteria were selected 168 vessels will qualify from these states. If instead 5 year period was selected, the number of qualifiers will decline slightly to 148 vessels. The impacts of a longer time period on the number of qualifiers from other states are also smaller, especially for the Mid-Atlantic states given that many participants from these states entered the fishery during the recent years. Because some vessels' primary state of landing has changed throughout the years (resulting in multiple states associated with one vessel), adding the number of qualifiers from each state (as shown in Table 87 to Table 90) would slightly overestimate actual number of qualifying vessels. For these reasons, the information given in these tables should be used in assessing the relative impacts of various qualification criteria and time period for vessels from each state. The differential impacts of these alternatives on ports and communities are discussed in detail in Section 5.5, Social Impact Assessment.

The number of qualifying vessels and scallop landings by primary gear are shown in Table 91 to Table 93 for vessels that have a logbook record of gear. The majority of qualifier use scallop dredges as expected. The majority of the qualifying vessels landed more than 200 lb. of scallops from their trips (Table 94) and incidental catch comprised an insignificant part of landings of general category vessels (Table 95).

Table 81. General Category Permits by the Primary State of Landing and by application year (May 1st to the end of April)

AP_YEAR	CT and RI	MA and NH	ME	NY and NJ	Other Mid Atlantic	Unknown	Grand Total
1994	173	900	510	303	105		1991
1995	189	928	561	309	87	1	2075
1996	177	898	558	283	87		2003
1997	175	936	494	296	100		2001
1998	180	904	461	291	102		1938
1999	194	927	502	346	121	5	2095
2000	207	982	542	387	141	2	2261
2001	217	1039	546	406	166	2	2376
2002	225	1124	540	431	191	1	2512
2003	223	1109	551	471	218	1	2573
2004	208	1039	524	488	224	1	2484

Table 82. Number of unique general category permits according to the last-application date for the permit for the specified period

Primary State	1994-2004 (up to the control date)*	2000-2004 (up to the control date)*	2003-2004 (up to the control date)*
CT and RI	336	271	238
MA and NH	2011	1483	1210
ME	1272	860	630
NY and NJ	773	629	535
Oth.Mid.At.	381	318	262
Unknown	4	1	1
Grand Total	4777	3562	2876

*The primary state of landing corresponds to the primary state associated with the last permit application by the vessel-owner during the specified time period.

Table 83. Impacts of qualification criteria alternatives for 11 year qualification period by state of landing

Time period	Qualification Criteria	State of landing	Number of vessels	Avg. scallop landings (lb., Best year)	Total Scallop landings per vessel (lb., best year)
100 lb. Criteria	NO	Maine	37	318	11,782
		MA+NH	100	87	8,740
		CT+RI	31	45	1,397
		NJ+NY	45	81	3,653
		Oth.MidAt	6	341	2,047
	YES	Maine	186	3,822	710,968
		MA+NH	261	4,933	1,287,561
		CT+RI	52	1,736	90,278
		NJ+NY	122	11,564	1,410,829
		Oth.MidAt	84	9,399	789,475
1000 lb. Criteria	NO	Maine	93	349	32,453
		MA+NH	193	277	53,524
		CT+RI	71	229	16,260
		NJ+NY	79	200	15,798
		Oth.MidAt	29	427	12,394
	YES	Maine	130	5,318	691,298
		MA+NH	168	7,401	1,243,444
		CT+RI	12	6,286	75,429
		NJ+NY	88	15,894	1,398,690
		Oth.MidAt	61	12,773	779,128
5000 lb. Criteria	NO	Maine	180	1,335	240,328
		MA+NH	296	934	276,361
		CT+RI	78	412	32,167
		NJ+NY	116	854	99,065
		Oth.MidAt	51	1,291	65,865
	YES	Maine	43	11,242	483,422
		MA+NH	65	15,702	1,020,606
		CT+RI	5	11,904	59,522
		NJ+NY	51	25,793	1,315,423
		Oth.MidAt	39	18,607	725,657

Table 84. Impacts of qualification criteria alternatives for 5 year qualification period by state of landing

Time period	Qualification Criteria	State of landing	Number of vessels	Avg. scallop landings (lb., Best year)	Total Scallop landings per vessel (lb., best year)
100 lb. Criteria	NO	Maine	18	146	2,632
		MA+NH	58	85	4,944
		CT+RI	24	49	1,179
		NJ+NY	25	65	1,637
		Oth.MidAt	4	501	2,005
	YES	Maine	95	5,435	516,367
		MA+NH	213	5,603	1,193,406
		CT+RI	45	1,891	85,105
		NJ+NY	116	11,970	1,388,464
		Oth.MidAt	79	9,872	779,924
1000 lb. Criteria	NO	Maine	43	311	13,394
		MA+NH	123	325	39,967
		CT+RI	58	253	14,686
		NJ+NY	60	235	14,076
		Oth.MidAt	24	457	10,969
	YES	Maine	70	7,231	506,200
		MA+NH	148	7,827	1,158,389
		CT+RI	11	6,509	71,599
		NJ+NY	81	16,988	1,376,025
		Oth.MidAt	59	13,067	770,960
5000 lb. Criteria	NO	Maine	79	1,388	109,659
		MA+NH	210	1,054	221,443
		CT+RI	64	418	26,763
		NJ+NY	91	915	83,255
		Oth.MidAt	45	1,374	61,845
	YES	Maine	34	12,057	409,935
		MA+NH	61	16,015	976,913
		CT+RI	5	11,904	59,522
		NJ+NY	50	26,137	1,306,846
		Oth.MidAt	38	18,950	720,084

Table 85. Impacts of qualification criteria alternatives for 2 year qualification period by state of landing

Time period	Qualification Criteria	State of landing	Number of vessels	Avg. scallop landings (lb., Best year)	Total Scallop landings per vessel (lb., best year)
100 lb. Criteria	NO	Maine	8	89	709
		MA+NH	35	83	2,902
		CT+RI	18	61	1,102
		NJ+NY	18	65	1,171
		Oth.MidAt	4	501	2,005
	YES	Maine	52	6,542	340,178
		MA+NH	168	4,393	738,036
		CT+RI	28	2,299	64,371
		NJ+NY	83	13,071	1,084,869
		Oth.MidAt	68	10,918	742,402
1000 lb. Criteria	NO	Maine	19	290	5,511
		MA+NH	86	342	29,380
		CT+RI	39	272	10,596
		NJ+NY	41	230	9,441
		Oth.MidAt	20	464	9,276
	YES	Maine	41	8,180	335,376
		MA+NH	117	6,082	711,632
		CT+RI	7	7,840	54,877
		NJ+NY	60	17,943	1,076,599
		Oth.MidAt	52	14,137	735,131
5000 lb. Criteria	NO	Maine	37	1,560	57,712
		MA+NH	162	1,215	196,766
		CT+RI	42	389	16,319
		NJ+NY	61	845	51,523
		Oth.MidAt	37	1,256	46,479
	YES	Maine	23	12,312	283,176
		MA+NH	41	13,274	544,245
		CT+RI	4	12,288	49,153
		NJ+NY	40	25,863	1,034,517
		Oth.MidAt	38	18,950	720,084

Table 86. Vessels with a primary port from Maine: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period

Time period	Qualification Criteria	Qualified	Number of vessels	Total scallop landings (lb., Best year)	Avg. Scallop landings per vessel (lb., best year)	Avg.GRT per vessel
1994-04 (Up to the control date) Total: 223 active vessels	100 lb. Criteria	NO	37	11,782	318	28
		YES	186	710,968	3,822	29
	1000 lb. Criteria	NO	93	32,453	349	42
		YES	130	691,298	5,318	23
	5000 lb. Criteria	NO	180	240,328	1,335	32
		YES	43	483,422	11,242	20
2000-04 (Up to the control date) Total: 113 active vessels	100 lb. Criteria	NO	18	2,632	146	41
		YES	95	516,367	5,435	26
	1000 lb. Criteria	NO	43	13,394	311	44
		YES	70	506,200	7,231	19
	5000 lb. Criteria	NO	79	109,659	1,388	33
		YES	34	409,935	12,057	18
2003-04 (Up to the control date) Total: 60 active vessels	100 lb. Criteria	NO	8	709	89	27
		YES	52	340,178	6,542	24
	1000 lb. Criteria	NO	19	5,511	290	36
		YES	41	335,376	8,180	20
	5000 lb. Criteria	NO	37	57,712	1,560	29
		YES	23	283,176	12,312	19

Table 87. Vessels with a primary port from MA and NH: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period

Time period	Qualification Criteria	Qualified	Number of vessels	Total scallop landings (lb., Best year)	Avg. Scallop landings per vessel (lb., best year)	Avg.GRT per vessel
1994-04 (Up to the control date) Total: 361 active vessels	100 lb. Criteria	NO	100	8,740	87	50
		YES	261	1,287,561	4,933	69
	1000 lb. Criteria	NO	193	53,524	277	64
		YES	168	1,243,444	7,401	65
	5000 lb. Criteria	NO	296	276,361	934	72
		YES	65	1,020,606	15,702	36
2000-04 (Up to the control date) Total: 271 active vessels	100 lb. Criteria	NO	58	4,944	85	53
		YES	213	1,193,406	5,603	72
	1000 lb. Criteria	NO	123	39,967	325	67
		YES	148	1,158,389	7,827	68
	5000 lb. Criteria	NO	210	221,443	1,054	77
		YES	61	976,913	16,015	37
2003-04 (Up to the control date) Total: 203 active vessels	100 lb. Criteria	NO	35	2,902	83	43
		YES	168	738,036	4,393	81
	1000 lb. Criteria	NO	86	29,380	342	67
		YES	117	711,632	6,082	79
	5000 lb. Criteria	NO	162	196,766	1,215	82
		YES	41	544,245	13,274	44

Table 88. Vessels with a primary port from RI and CT: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period

Time period	Qualification Criteria	Qualified	Number of vessels	Total scallop landings (lb., Best year)	Avg. Scallop landings per vessel (lb., best year)	Avg.GRT per vessel
1994-04 (Up to the control date) Total: 83 active vessels	100 lb. Criteria	NO	31	1,397	45	83
		YES	52	90,278	1,736	112
	1000 lb. Criteria	NO	71	16,260	229	106
		YES	12	75,429	6,286	68
	5000 lb. Criteria	NO	78	32,167	412	104
		YES	5	59,522	11,904	68
2000-04 (Up to the control date) Total: 69 active vessels	100 lb. Criteria	NO	24	1,179	49	86
		YES	45	85,105	1,891	114
	1000 lb. Criteria	NO	58	14,686	253	110
		YES	11	71,599	6,509	68
	5000 lb. Criteria	NO	64	26,763	418	107
		YES	5	59,522	11,904	68
2003-04 (Up to the control date) Total: 46 active vessels	100 lb. Criteria	NO	18	1,102	61	99
		YES	28	64,371	2,299	102
	1000 lb. Criteria	NO	39	10,596	272	105
		YES	7	54,877	7,840	66
	5000 lb. Criteria	NO	42	16,319	389	101
		YES	4	49,153	12,288	85

Table 89. Vessels with a primary port from NY and NJ: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period

Time period	Qualification Criteria	Qualified	Number of vessels	Total scallop landings (lb., Best year)	Avg. Scallop landings per vessel (lb., best year)	Avg.GRT per vessel
1994-04 (Up to the control date) Total: 99 active vessels	100 lb. Criteria	NO	45	3,653	81	81
		YES	122	1,410,829	11,564	75
	1000 lb. Criteria	NO	79	15,798	200	89
		YES	88	1,398,690	15,894	65
	5000 lb. Criteria	NO	116	99,065	854	85
		YES	51	1,315,423	25,793	57
2000-04 (Up to the control date) Total: 81 active vessels	100 lb. Criteria	NO	25	1,637	65	64
		YES	116	1,388,464	11,970	74
	1000 lb. Criteria	NO	60	14,076	235	82
		YES	81	1,376,025	16,988	65
	5000 lb. Criteria	NO	91	83,255	915	80
		YES	50	1,306,846	26,137	57
2003-04 (Up to the control date) Total: 66 active vessels	100 lb. Criteria	NO	18	1,171	65	65
		YES	83	1,084,869	13,071	73
	1000 lb. Criteria	NO	41	9,441	230	79
		YES	60	1,076,599	17,943	66
	5000 lb. Criteria	NO	61	51,523	845	82
		YES	40	1,034,517	25,863	55

Table 90. Vessels with a primary port from Mid-Atlantic states other than NY and NJ: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period

Time period	Qualification Criteria	Qualified	Number of vessels	Total scallop landings (lb., Best year)	Avg. Scallop landings per vessel (lb., best year)	Avg.GRT per vessel
1994-04 (Up to the control date) Total: 90 active vessels	100 lb. Criteria	NO	6	2,047	341	62
		YES	84	789,475	9,399	85
	1000 lb. Criteria	NO	29	12,394	427	88
		YES	61	779,128	12,773	82
	5000 lb. Criteria	NO	51	65,865	1,291	86
		YES	39	725,657	18,607	82
2000-04 (Up to the control date) Total: 83 active vessels	100 lb. Criteria	NO	4	2,005	501	70
		YES	79	779,924	9,872	85
	1000 lb. Criteria	NO	24	10,969	457	91
		YES	59	770,960	13,067	82
	5000 lb. Criteria	NO	45	61,845	1,374	87
		YES	38	720,084	18,950	82
2003-04 (Up to the control date) Total: 72 active vessels	100 lb. Criteria	NO	4	2,005	501	70
		YES	68	742,402	10,918	89
	1000 lb. Criteria	NO	20	9,276	464	97
		YES	52	735,131	14,137	84
	5000 lb. Criteria	NO	37	46,479	1,256	92
		YES	35	697,928	19,941	84

Table 91. Number of qualifiers by primary gear

Period	Qualification Criteria	Scallop dredge	Scallop trawl	Other trawl	Misc. gear	Not known	Grand Total
11 Years	100 lb. Criteria	294	36	189	8	178	705
	1000 lb. Criteria	242	33	99	5	80	459
	5000 lb. Criteria	131	25	22	3	22	203
5 Year	100 lb. Criteria	228	34	174	5	107	548
	1000 lb. Criteria	190	31	96	4	48	369
	5000 lb. Criteria	120	23	22	3	20	188
2 Year	100 lb. Criteria	165	28	136	4	66	399
	1000 lb. Criteria	135	25	83	3	31	277
	5000 lb. Criteria	89	22	15	3	14	143

Table 92. Scallop pounds per vessel by primary gear

Period	Qualification Criteria	Scallop dredge	Scallop trawl	Other trawl	Misc. gear	Unknown	Grand Total
11 Years	100 lb. Criteria	9,012	14,510	3,719	6,140	2,052	6,084
	1000 lb. Criteria	10,851	15,792	6,687	9,392	4,148	9,124
	5000 lb. Criteria	17,874	19,970	23,567	14,233	9,214	17,757
5 Year	100 lb. Criteria	10,721	14,947	3,975	8,971	2,563	7,232
	1000 lb. Criteria	12,761	16,355	6,824	10,999	5,261	10,524
	5000 lb. Criteria	18,668	21,092	23,567	14,233	9,341	18,475
2 Year	100 lb. Criteria	11,089	16,989	3,227	10,889	2,760	7,443
	1000 lb. Criteria	13,444	18,979	4,956	14,233	5,486	10,518
	5000 lb. Criteria	18,866	21,291	19,300	14,233	9,239	18,245

Table 93. Scallop landings as a % of total by primary gear

Period	Qualification Criteria	Scallop dredge	Scallop trawl	Other trawl	Misc. gear	Unknown	Grand Total
11 Years	100 lb. Criteria	61.77%	12.18%	16.39%	1.15%	8.52%	100.00%
	1000 lb. Criteria	62.70%	12.44%	15.81%	1.12%	7.92%	100.00%
	5000 lb. Criteria	64.96%	13.85%	14.38%	1.18%	5.62%	100.00%
5 Year	100 lb. Criteria	61.68%	12.82%	17.45%	1.13%	6.92%	100.00%
	1000 lb. Criteria	62.44%	13.06%	16.87%	1.13%	6.50%	100.00%
	5000 lb. Criteria	64.50%	13.97%	14.93%	1.23%	5.38%	100.00%
2 Year	100 lb. Criteria	61.61%	16.02%	14.78%	1.47%	6.13%	100.00%
	1000 lb. Criteria	62.29%	16.29%	14.12%	1.47%	5.84%	100.00%
	5000 lb. Criteria	64.36%	17.95%	11.10%	1.64%	4.96%	100.00%

Table 94. Number vessels by maximum scallop landings from a trip

Period	Qualification Criteria	Qualify	Maximum scallop landings from any one trip			Grand Total
			<=40 lb.	41- 200 lb.	>200 lb.	
11 Years	100 lb. Criteria	NO	130	89		219
		YES		144	561	705
	1000 lb. Criteria	NO	130	202	133	465
		YES	NA	31	428	459
	5000 lb. Criteria	NO	130	231	360	721
		YES	NA	NA	201	203
5 Year	100 lb. Criteria	NO	73	56	NA	129
		YES	NA	93	455	548
	1000 lb. Criteria	NO	73	135	100	308
		YES	NA	14	355	369
	5000 lb. Criteria	NO	73	148	268	489
		YES	NA	NA	187	188
2 Year	100 lb. Criteria	NO	50	33	NA	83
		YES	NA	48	351	399
	1000 lb. Criteria	NO	50	75	80	205
		YES	NA	NA	271	277
	5000 lb. Criteria	NO	50	81	208	339
		YES	NA	NA	143	143

Table 95. Sum of best year scallop landings (lb.) by maximum scallop landings from a trip

Period	Qualification Criteria	Qualify	Maximum scallop landings from any one trip			Grand Total
			<=40 lb.	41- 200 lb.	>200 lb.	
11 Years	100 lb. Criteria	NO	4,911	22,707		27,618
		YES		94,464	4,194,648	4,289,112
	1000 lb. Criteria	NO	4,911	53,331	72,187	130,428
		YES		65,528	4,122,461	4,187,989
	5000 lb. Criteria	NO	4,911	104,611	604,265	713,786
		YES		14,247	3,590,383	3,604,631
5 Year	100 lb. Criteria	NO	2,560	9,837		12,397
		YES		57,063	3,906,204	3,963,266
	1000 lb. Criteria	NO	2,560	35,891	54,641	93,091
		YES		31,610	3,851,563	3,883,173
	5000 lb. Criteria	NO	2,560	59,260	441,144	502,964
		YES		8,240	3,465,059	3,473,300
2 Year	100 lb. Criteria	NO	1,120	6,768		7,888
		YES		23,578	2,946,278	2,969,856
	1000 lb. Criteria	NO	1,120	18,558	44,526	64,204
		YES		11,862	2,901,752	2,913,614
	5000 lb. Criteria	NO	1,120	30,420	337,259	368,799
		YES			2,609,019	2,609,019

Table 96. Average scallop landings per vessel (lb.) by maximum scallop landings from a trip

Period	Qualification Criteria	Qualify	Maximum scallop landings from any one trip			Grand Total
			<=40 lb.	41- 200 lb.	>200 lb.	
11 Years	100 lb. Criteria	NO	38	255	NA	126
		YES		656	7,477	6,084
	1000 lb. Criteria	NO	38	264	543	280
		YES		2,114	9,632	9,124
	5000 lb. Criteria	NO	38	453	1,679	990
		YES		NA	17,863	17,757
5 Year	100 lb. Criteria	NO	35	176	NA	96
		YES		614	8,585	7,232
	1000 lb. Criteria	NO	35	266	546	302
		YES		2,258	10,849	10,524
	5000 lb. Criteria	NO	35	400	1,646	1,029
		YES		NA	18,530	18,475
2 Year	100 lb. Criteria	NO	22	205	NA	95
		YES		491	8,394	7,443
	1000 lb. Criteria	NO	22	247	557	313
		YES		1,977	10,708	10,518
	5000 lb. Criteria	NO	22	376	1,621	1,088
		YES		NA	18,245	18,245

5.4.5 Combined Economic impacts the qualification criteria, period alternatives and general category TAC on vessels that qualify for limited access

5.4.5.1 Introduction

In addition to the limited access, Amendment 11 includes alternatives that would control scallop fishing mortality in the general category fishery by allocating a separate TAC for this sector. In general, the combined economic impacts of the limited access and TAC are expected to be positive for the sea scallop fishery as a whole compared to taking no action and status quo management for the following reasons:

- The economic impacts of the limited entry are expected to be positive for the sea scallop fishery compared to taking no action. Since with no action there are no limits on the number of trips a vessel could take and no limits on the number of vessels able to participate in the general category fishery, total fishing effort in this fishery could increase in response to higher scallop prices, to an increase in resource productivity, or to changes in fishing opportunities in other fisheries. As a result, scallop mortality could exceed sustainable levels, reducing the stock biomass, the future yield, and revenues from the scallop resource. Limited access, by itself, will not entirely eliminate these possible effects, but it will reduce the risks of overfishing of the scallop resource by preventing new entry to the general category fishery. It will restrict the number of participants in this fishery to vessels that meet the poundage qualification criteria within a qualification time period. As a result, limited access would prevent the profits of the qualifiers and limited access vessels from dissipating due to increase in capacity.
- In the absence of measures that control overall scallop landings by general category vessels, it is still possible for the fishing mortality to increase beyond the target levels if the vessels that qualify for limited access increase the number of trips targeting scallops. This could have negative impacts on both the limited access and the general category vessels as scallop catch per day-at-sea declines and fishing costs per pound of scallops increase. Overall, short-term and long-term economic impacts on consumer and producer surpluses and total economic benefits are analyzed qualitatively. This is because biological projections are done by assuming that fishing mortality will be kept at target levels and that limited access allocations will be determined by removing estimated general category landings from total scallop harvest. If scallop harvest is allocated between limited access and general category vessels by a separate TAC for general category, the fishing mortality due to general category fishery will be prevented to exceed the sustainable levels. This will have positive impacts on the consumer and producer surpluses and total economic benefits compared to no action (see Section 5.4.17 for further discussion). Section 5.4.17.2 examines the distributional impacts of a TAC allocation on scallop revenues, costs and producer surplus for both the general category and limited access fisheries.
- These measures will reduce the negative distributional impacts of overfishing due to general category fishery, since under the status quo, any increase in overfishing of the scallop resource will need to be corrected through framework action. For example, the Council could reduce the DAS allocations for limited access vessels, negatively impacting the group of vessels that has been subject to strict effort controls since 1994. The Council could also reduce the possession limit for all general category vessels,

affecting negatively most of the general category vessels that participate in the fishery and depend on scallops as a significant source of income.

The economic impacts of the qualification criteria and period alternatives on the general category vessels will vary according to the level of TAC that will be allocated to the general category fishery. According to the individual allocation system (3.1.2.4.1), each vessel's share will be determined from their historical activity during a qualification time period. Then the qualified vessels will be allocated a percent of the total general category TAC based on their contribution to historical landings. The level of TAC could have significant economic impacts on general category vessels to the extent that it is different from the historical levels and/or from the level of scallop landings in recent years.

According to alternative proposed by this amendment (3.1.7.2), the amount of TAC that will be allocated to general category fishery will be based on a certain percentage of total available scallop harvest from the fishery ranging from 2.5 to 11%. If this alternative was not selected, the TAC could be based on historical landings of general category fishery or some other amount determined by the Council in the future actions.

In order to estimate a range of potential TAC for the general category fishery, the total expected yield from the scallop resource for the next 11 years is calculated in Table 97 using the recent biological simulations corresponding to the status quo scenario (including the impacts of the recent Emergency Action that reduced the number of the trips in ETA). For example, total landings is estimated to be around 56 million pounds in 2008, roughly equal to landings in 2005 fishing year, and range between 61 lb. to 68 million lb. afterwards. With this scenario, the potential allocation to general category fishery could range from 1.4 million lb. if lower bound of 2.5% is applied and to 7.4 million lb. if the upper bound of 11% is used to determine general category TAC during the next 11 years. If the overall total available scallop harvest is overestimated, general category allocation could fall below these amounts. For example, if the maximum sustainable yield over the long-term is 40 million lb. instead of 67 million lb., than even with an 11% share, general category allocation could not exceed 4.4 million lbs.

Table 97. Estimated Scallop Landings, Prices and Revenues (in 2006 prices, based on projections used in EA for ETA)

Fishing year	MC	Total landings	LPUE	DAS	Price	Total Revenue
2007	16	61	1,810	33,653	6.76	429
2008	15	56	2,279	24,496	7.66	428
2009	14	61	2,366	25,736	6.90	419
2010	13	64	2,449	26,361	6.41	411
2011	13	66	2,437	27,392	6.09	405
2012	14	67	2,394	28,143	5.94	400
2013	14	66	2,353	27,922	6.16	405
2014	14	67	2,341	28,685	5.92	399
2015	14	68	2,327	28,911	5.90	398
2016	14	64	2,301	27,835	6.38	410
2017	14	67	2,315	28,672	6.04	402

Table 98. Estimated scallop landings and revenue for general category vessels with TAC (in 2006 prices, based on projections used in EA for ETA)

Fishing year	General category TAC=2.5%		General category TAC=11%	
	Scallop Landings (Million lb.)	Scallop Revenue (Million \$)	Scallop Landings (Million lb.)	Scallop Revenue (Million \$)
2007	1.5	10.7	6.70	47.1
2008	1.4	10.7	6.14	47.0
2009	1.5	10.5	6.67	46.1
2010	1.6	10.3	7.06	45.3
2011	1.7	10.1	7.31	44.5
2012	1.7	10.0	7.41	44.0
2013	1.6	10.1	7.24	44.6
2014	1.7	10.0	7.41	43.9
2015	1.7	10.0	7.43	43.8
2016	1.6	10.2	7.07	45.1
2017	1.7	10.1	7.32	44.2

This section analyzes economic impacts at three different levels of TAC which fall between the range of biological estimates in Table 97 and Table 98:

- 2 million lb. which is close to the levels of general category scallop landings before 2004, previous to the surge in general category landings.
- 4 million lb. which is close to scallop landings in the best year before the control date, that is in 2004 fishing year.
- 7 million lb., which is the highest level of general category landings achieved so far (2005) and corresponding to the most optimistic scenarios shown in Table 98.

The impacts of the various TAC levels combined with qualification criteria and period alternatives are analyzed using the “best year landings” in order to determine total impacts on qualifiers and on average impacts per vessel. This is because the alternative method, i.e., best-indexed, do not change the total and average impacts, but will have distributional impacts between the qualifiers according to the years they were active in the fishery. The Tables also include the impacts of stand-alone ITQ alternative (3.1.2.4.4) on the number of qualifiers, on average revenues per vessels, on costs and net revenues. This alternative, as apart from the non-transferable individual quota alternative, however, allows leasing or buying quota from other vessels with positive impacts on profits in the fishery as discussed in Section 5.4.8.4.

The general category TAC will be distributed among the vessels qualified for access according to each qualification criteria and period. Although, the impacts are analyzed here for a general category TAC of 2 million lb., 4 million lb. and 7 million lb., the range of impacts with other TAC levels could easily be derived from the Tables included in this section.

5.4.5.2 The impacts on average allocation (scallop pounds or trips) per qualified vessel

The number of qualifiers and average scallop pounds during the best year and average allocation per vessel corresponding to different TAC levels are shown in Table 99. It must be emphasized that allocation for each vessel will be different than these amount if an individual allocation method is used. Average pounds per vessel are shown here to analyze the comparative impacts of qualification criteria and period and TAC alternatives. For example, using an 11 year period and

100 lb. qualification criteria and a general category TAC of 4 million lb., the 705 qualifying vessels would, on the average, receive 5,674 lb. of scallop allocations, which is slightly less than the average best year landings, 6,084 lb., for this group. If a 5000 lb. criterion is used, however, for the same period, only 203 vessels will qualify receiving on the average 19,704 lb. of scallop allocation if general category TAC was set at 4 million lb. This amount of allocation exceeds the average best year scallop pounds (17,757 lb.) for these 203 vessels during the 11 year qualification period. If the general category TAC was 2 million lb. instead of 4 million lb., the average allocation per qualified vessel would be less than average best year landings even with 5000 lb. criterion. The table also shows average pounds per vessel for 5 year and 2 year qualification periods at these three TAC levels. For the stand alone ITQ alternative (3.1.2.4.4), there would be 3562 vessels that would qualify for limited access, and 677 of these with landings history would receive an average allocation of 5,908 lb. per vessel with 4 million TAC, slightly exceeding the average of best year landings. Under this alternative, the remaining 2885 vessels would be allowed to buy and lease quota from others.

The allocation for each vessel will be different than the averages shown in Table 99 depending on the allocation method used. With individual quota allocation alternative (3.1.2.4.1), each vessel's allocation will vary according to their contribution factor determined either using best year or best-indexed year alternatives. As a result, some vessels will receive less than the average pounds if their best year landings were below the fleet average (column 4) and some vessels will receive a larger allocation if they landed a higher percentage of scallops during the qualification period compared to the other vessels. Table 100 and Table 101 provide a range for allocated pounds (Option A, fishing quota in pounds) showing the maximum and minimum pounds respectively for the vessels that qualify for limited access. For maximum allocations, a vessels contribution factor is assumed not to exceed 50,000 lb. in accordance with the Alternative 3.1.2.3.3.

Table 99. Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.

Time period	Qualification Criteria	Number of qualified vessels	Average Best year landings per vessel (lb.)	Average Allocation per vessel (lb.)	Average Allocation per vessel (lb.)	Average Allocation per vessel (lb.)
				TAC=2 million lb.	TAC=4 million lb.	TAC=7 million lb.
1994-04 (Up to the control date)	100 lb. Criteria	705	6,084	2,837	5,674	9,929
	1000 lb. Criteria	459	9,124	4,357	8,715	15,251
	5000 lb. Criteria	203	17,757	9,852	19,704	34,483
2000-04 (Up to the control date)	Stand-alone ITQ	677	5,872	2,954	5,908	10,340
	100 lb. Criteria	548	7,232	3,650	7,299	12,774
	1000 lb. Criteria	369	10,524	5,420	10,840	18,970
	5000 lb. Criteria	188	18,475	10,638	21,276	37,234
2003-04 (Up to the control date)	100 lb. Criteria	399	7,443	5,012	10,025	17,544
	1000 lb. Criteria	277	10,518	7,220	14,440	25,271
	5000 lb. Criteria	143	18,245	13,986	27,972	48,951

Table 100. Number of qualifying vessels and estimated maximum landings per vessel based on an individual allocation system and best year of landings during the specified time period.

Time period	Qualification Criteria	Number of vessels	MAX. Best year landings per vessel (lb.) (1)	MAX. Allocation per vessel (lb.) TAC=2 million lb.	MAX. Allocation per vessel (lb.) TAC=4 million lb.	MAX. Allocation per vessel (lb.) TAC=7 million lb.
1994-04 (Up to the control date)	100 lb. Criteria	705	50,000	23,522	47,044	82,327
	1000 lb. Criteria	459	50,000	24,096	48,192	84,336
	5000 lb. Criteria	203	50,000	28,036	56,072	98,126
2000-04 (Up to the control date)	Stand alone ITQ	677	50,000	25,220	50,441	88,271
	100 lb. Criteria	548	50,000	25,476	50,952	89,166
	1000 lb. Criteria	369	50,000	26,006	52,012	91,021
	5000 lb. Criteria	188	50,000	29,108	58,216	101,878
2003-04 (Up to the control date)	100 lb. Criteria	399	50,000	33,684	67,368	117,894
	1000 lb. Criteria	277	50,000	34,334	68,668	120,169
	5000 lb. Criteria	143	50,000	38,344	76,688	134,204

(1) MAX landings are capped at 50,000 lb. to protect confidentiality, which also corresponds to the maximum contribution pounds proposed by 3.1.2.3.3.

Table 101. Number of qualifying vessels and estimated minimum pounds per vessel based on an individual allocation system and best year of landings during the specified time period.

Time period	Qualification Criteria	Number of vessels	Min. Best year landings per vessel (lb.)	Min. Allocation per vessel (lb.) TAC=2 million lb.	Min. Allocation per vessel (lb.) TAC=4 million lb.	Min. Allocation per vessel (lb.) TAC=7 million lb.
1994-04 (Up to the control date)	100 lb. Criteria	705	100	48	96	168
	1000 lb. Criteria	459	1,000	482	964	1,687
	5000 lb. Criteria	203	5,009	2,808	5,616	9,828
2000-04 (Up to the control date)	Stand alone ITQ	677	1	1.0	0.5	1.0
	100 lb. Criteria	548	100	50	100	175
	1000 lb. Criteria	369	1,000	520	1,040	1,820
	5000 lb. Criteria	188	5,000	2,916	5,832	10,206
2003-04 (Up to the control date)	100 lb. Criteria	399	100	68	136	238
	1000 lb. Criteria	277	1,000	686	1,372	2,401
	5000 lb. Criteria	143	5,000	3,842	7,684	13,447

Option B of the individual allocation option proposes to allocate each qualifying vessels a certain number of trips rather than pounds of scallops. Assuming that vessels will land the 400 lb. from each trip, the average number of trips per vessel was calculated in Table 102. There are some important differences between option A and option B, however. If some vessels that receive trip allocations land less than 400 lb. of scallops from their trips, total general category scallop landings could be less than the general category TAC, resulting in reduced revenue for the general category fleet. On the other hand, these vessels could spend more time at sea to increase their trip landings to the possession limit in order to maximize annual landings from their trip allocations. Such change in fishing behavior would increase trip costs and could also have some safety impacts if the trip is extended, for example, during difficult weather conditions. On the other hand, trip allocation has an advantage over quota allocation in terms of monitoring and enforcement since with VMS it is easier to determine the number of trips per vessel than to

monitor landings per trip.

Table 102. Number of qualifying vessels and estimated trips per vessel based on an individual allocation system and best year of landings during the specified time period.

Time period	Qualification Criteria	Number of vessels	Best year trips per vessel (1)	Best year trips per vessel (2)	Trips per vessel TAC=2 million lb. (2)	Trips per vessel TAC=4 million lb (2)	Trips per vessel TAC=7 million lb (2)
1994-04 (Up to the control date)	100 lb. Criteria	705	21	15	7	14	25
	1000 lb. Criteria	459	31	23	11	22	38
	5000 lb. Criteria	203	54	44	25	49	86
2000-04 (Up to the control date)	Stand alone ITQ	677	20	15	7	15	26
	100 lb. Criteria	548	24	18	9	18	32
	1000 lb. Criteria	369	34	26	14	27	47
	5000 lb. Criteria	188	55	46	27	53	93
2003-04 (Up to the control date)	100 lb. Criteria	399	24	19	13	25	44
	1000 lb. Criteria	277	34	26	18	36	63
	5000 lb. Criteria	143	55	46	35	70	122

- (1) These are historical averages and include the trips that landed a pound or more scallops. For some vessels, this could underestimate actual number of trips because in the past several trips were landed at the same date. Trip allocations would be determined by assuming that each scallop landings from each trip will equal to 400 lb.
- (2) Assuming a 400 lb. trip limit.

5.4.5.3 The impacts on average scallop revenue per qualified vessel

The impacts of the qualification alternatives at different TAC levels for general category on the potential revenues of qualifiers vessels are analyzed based on the following assumptions about prices and costs.

- Scallop revenues are estimated using two price estimates, a price of \$6.00 per pound at the lower end and \$7.60 per pound of scallops at the higher end. These values are within the range of estimated prices for 2007-2017 corresponding to the biological simulations shown in Table 97. For example, the estimates based on the biological simulations (Emergency Action for ETA) and the price model show that scallop prices could reach \$6.70 per pound in 2007 and \$7.66 per pound in 2008, the first year Amendment 11 could be implemented. Scallop prices are estimated to decline to approximately \$6.00 per pound in the later years as estimated scallop prices increase over 65 million lb.
- They are also within the range of prices that was observed in 2005 (an average of \$7.60 per lb.) and 2006 fishing years (about \$6.25 per pound so far). Although, the scallop prices declined in 2006 relative to the 2005 levels, they were on the rise recently and could increase further in 2007 fishing year. For example, the prices of U-12 scallops averaged above \$10 and those of 20-30 count above \$7.50 during the first couple of days of February 2007.
- The accuracy of these price estimates depend on, however, whether the biological estimates for annual landings and size distribution of scallops will be realized in the future years. If the scallop landings turn out to be lower than these estimates, the prices could exceed the levels shown in Table 97. Actual prices in the future could also differ

from these estimated values depending on changes in consumers' income and preferences, import prices and exports.

- The revenues will be higher (lower) than estimated if scallop prices increase (decrease) above (below) the levels estimated in this section. The relative impacts of qualification criteria and period alternatives on revenues compared to another but will not change, however, if actual prices differ than the estimates.
- Average best year revenue was estimated applying the same price that is used in calculation of revenue corresponding to the allocation pounds (i.e., \$7.60 and \$6.0 per pound). For a vessel to obtain the same level revenue corresponding to its best year activity, general category TAC should be set above 4 million lb. if 11 year is selected for qualification period with either 100 lb. or 1000 lb. criteria. With other qualification period alternatives, the qualifiers will receive larger revenue with a TAC of 4 million lb. compared to their best year revenue. With 2 year period the revenue with the same TAC level will exceed best year landings by a significant amount.

Table 103. Number of qualifying vessels and estimated revenue based on an individual allocation system and best year of landings during the specified time period and using a scallop price of \$7.60 per pound

Time period	Qualification Criteria	Number of qualified vessels	Average Best year revenue per vessel (lb.)	Average Revenue per vessel (lb.) TAC=2 million lb.	Average Revenue per vessel (lb.) TAC=4 million lb	Average Revenue per vessel (lb.) TAC=7 million lb
1994-04 (Up to the control date)	100 lb. Criteria	705	46,238	21,561	43,122	75,460
	1000 lb. Criteria	459	69,342	33,113	66,234	115,908
	5000 lb. Criteria	203	134,953	74,875	149,750	262,071
2000-04 (Up to the control date)	Stand alone ITQ	677	44,631	22,452	44,904	78,582
	100 lb. Criteria	548	54,963	27,740	55,472	97,082
	1000 lb. Criteria	369	79,982	41,192	82,384	144,172
	5000 lb. Criteria	188	140,410	80,849	161,698	282,978
2003-04 (Up to the control date)	100 lb. Criteria	399	56,567	38,091	76,190	133,334
	1000 lb. Criteria	277	79,937	54,872	109,744	192,060
	5000 lb. Criteria	143	138,662	106,294	212,587	372,028

Table 104. Number of qualifying vessels and estimated revenue based on an individual allocation system and best year of landings during the specified time period and using a scallop price of \$6.00 per pound

Time period	Qualification Criteria	Number of qualified vessels	Average Best year revenue per vessel (lb.)	Average Revenue per vessel (lb.) TAC=2 million lb.	Average Revenue per vessel (lb.) TAC=4 million lb.	Average Revenue per vessel (lb.) TAC=7 million lb.
1994-04 (Up to the control date)	100 lb. Criteria	705	36,504	17,022	34,044	59,574
	1000 lb. Criteria	459	54,744	26,142	52,290	91,506
	5000 lb. Criteria	203	106,542	59,112	118,224	206,898
2000-04 (Up to the control date)	Stand alone ITQ	677	35,235	17,725	35,451	62,038
	100 lb. Criteria	548	43,392	21,900	43,794	76,644
	1000 lb. Criteria	369	63,144	32,520	65,040	113,820
	5000 lb. Criteria	188	110,850	63,828	127,656	223,404
2003-04 (Up to the control date)	100 lb. Criteria	399	44,658	30,072	60,150	105,264
	1000 lb. Criteria	277	63,108	43,320	86,640	151,626
	5000 lb. Criteria	143	109,470	83,916	167,832	293,706

5.4.5.4 The impacts on fishing costs

The economic impacts of the qualification criteria and period alternatives will also vary with the costs of fishing. For example, a lower allocation of scallop pounds will not only reduce revenues but also lower the trip costs, thus will lessen the impacts on net revenues. The annual trip costs per vessel are estimated in Table 106 as follows:

- The trip costs per day-at-sea were estimated in Section 4.4.7 . Table 105 shows average trip costs per day-at-sea and the factors that affect costs, such as vessel gross tonnage, horse power and crew size for the group of qualified vessels corresponding to each alternative.
- Annual average allocation in scallop pounds for each alternative and TAC level is converted into number of trips by assuming that 400 lb. of scallops will be landed from each trip. The trip costs per day-at-sea were multiplied by the average number of trips for each alternative and TAC level.
- It is assumed that all the trip costs from trips are attributed to scallop fishing, even though a vessel may land other species. In other words, these costs show the values corresponding to the trips solely targeting the scallops, thus they will overestimate the costs for vessels that land scallops as a bycatch while primarily fishing for other species.
- For vessels that land less than 400 lb., the number of trips will be higher than estimated in Table 102. But these vessels generally land other species besides scallops, thus, not all trip costs are attributable to scallop fishing. For this reason, the actual trip costs due to the scallop fishing for these vessels are probably lower than estimated in Table 106.

Table 105. Vessel characteristics and costs

Time period	Qualification Criteria	Number of qualified vessels	Average trip costs per DAS (2006 prices, \$)	Average GRT	Average HP	Average crew
1994-04 (Up to the control date)	100 lb. Criteria	705	342	68	428	3.5
	1000 lb. Criteria	459	328	58	398	3.3
	5000 lb. Criteria	203	324	49	399	3.2
2000-04 (Up to the control date)	Stand alone ITQ	677	345	70	433	3.6
	100 lb. Criteria	548	349	72	442	3.6
	1000 lb. Criteria	369	335	62	409	3.4
	5000 lb. Criteria	188	326	50	403	3.2
2003-04 (Up to the control date)	100 lb. Criteria	399	356	76	454	3.6
	1000 lb. Criteria	277	346	69	430	3.6
	5000 lb. Criteria	143	330	55	415	3.2

Table 106. Number of qualifying vessels and estimated trip costs per vessel based on best year of landings during the specified time period (using a fuel price of \$2.23 per gal.)

Time period	Qualification Criteria	Number of qualified vessels	Average Best year trip costs per vessel (lb.)	Average trip costs per vessel (lb.) TAC=2 million lb.	Average trip costs per vessel (lb.) TAC=4 million lb.	Average trip costs per vessel (lb.) TAC=7 million lb.
1994-04 (Up to the control date)	100 lb. Criteria	705	5,201	2,425	4,850	8,488
	1000 lb. Criteria	459	7,480	3,572	7,145	12,503
	5000 lb. Criteria	203	14,383	7,980	15,960	27,930
2000-04 (Up to the control date)	Stand alone ITQ	677	5,065	2,548	5,096	8,918
	100 lb. Criteria	548	6,318	3,189	6,377	11,160
	1000 lb. Criteria	369	8,820	4,542	9,085	15,898
	5000 lb. Criteria	188	15,047	8,664	17,329	30,326
2003-04 (Up to the control date)	100 lb. Criteria	399	6,626	4,462	8,925	15,619
	1000 lb. Criteria	277	9,103	6,249	12,498	21,872
	5000 lb. Criteria	143	15,055	11,540	23,081	40,391

5.4.5.5 The impacts on average net revenues for the vessels that qualify for limited access

The impacts on the net revenues of the qualified vessels are estimated for each qualification criteria and period at three different levels of TAC, using two values for prices, \$7.60 and \$6.00 per pound (Table 107 and Table 108). These impacts could be summarized as follows:

- Average revenue per qualified vessel will be higher as the number of qualifiers is lower. For example, 2 year period combined with 5000 lb. criteria results in largest net revenue per vessel at any level of TAC. 11 year period with 100 lb. criteria and the Stand alone ITQ alternatives would result in smallest revenues per vessel by respectively including 705 and 677 vessels in the limited access program.
- The actual net revenues of each vessel will differ according to their share in total general category allocation under the individual allocation methods (either in trips or pounds). The vessels that had a historical participation in the general category fishery at rates higher than an average vessel will receive higher allocation, thus larger net revenue from scallop fishery.

- These Tables also show estimated net revenue a vessel could have obtained if it continued to fish for scallops at the best year levels. As mentioned above, best year revenue was estimated applying the same price that is used in calculation of revenue corresponding to the allocation pounds (i.e., \$7.60 in Table 107 and \$6.0 in Table 108). Comparison of net revenue with at each TAC level with the best year revenue shows that if TAC is set below 4 million lb., each qualifier will be earn less net revenue than their best year amount if 11 year period is implemented with either 100 lb. and 1000 lb. criteria. For 5 year and 2 year qualification period alternatives, however, a TAC of 4 million and higher will provide a net revenue for the qualifiers larger than corresponding to their best year landings for all qualification criteria alternatives (i.e., 100 lb., 1000 lb., and 5000 lb. criteria).

Table 107. Number of qualifying vessels and estimated net revenue per vessel based on best year of landings during the specified time period (using a fuel price of \$2.23 per gal. and scallop price of \$7.60)

Time period	Qualification Criteria	Number of qualified vessels	Average Best year net revenue per vessel (lb.)	Average net revenue per vessel (lb.) TAC=2 million lb.	Average net revenue per vessel (lb.) TAC=4 million lb.	Average net revenue per vessel (lb.) TAC=7 million lb.
1994-04 (Up to the control date)	100 lb. Criteria	705	41,038	19,136	38,272	66,973
	1000 lb. Criteria	459	61,862	29,541	59,089	103,404
	5000 lb. Criteria	203	120,571	66,895	133,791	234,141
2000-04 (Up to the control date)	Stand alone ITQ	677	39,566	19,904	39,808	69,664
	100 lb. Criteria	548	48,645	24,551	49,096	85,923
	1000 lb. Criteria	369	71,162	36,650	73,299	128,274
	5000 lb. Criteria	188	125,363	72,185	144,369	252,653
2003-04 (Up to the control date)	100 lb. Criteria	399	49,941	33,629	67,265	117,716
	1000 lb. Criteria	277	70,834	48,623	97,246	170,188
	5000 lb. Criteria	143	123,607	94,753	189,506	331,636

Table 108. Number of qualifying vessels and estimated net revenue per vessel based on best year of landings during the specified time period (using a fuel price of \$2.23 per gal. and scallop price of \$6)

Time period	Qualification Criteria	Number of qualified vessels	Average Best year net revenue per vessel (lb.)	Average net revenue per vessel (lb.) TAC=2 million lb.	Average net revenue per vessel (lb.) TAC=4 million lb.	Average net revenue per vessel (lb.) TAC=7 million lb.
1994-04 (Up to the control date)	100 lb. Criteria	705	31,303	14,597	29,194	51,086
	1000 lb. Criteria	459	47,264	22,570	45,145	79,003
	5000 lb. Criteria	203	92,159	51,132	102,264	178,968
2000-04 (Up to the control date)	Stand alone ITQ	677	30,170	15,177	30,355	53,120
	100 lb. Criteria	548	37,074	18,711	37,417	65,484
	1000 lb. Criteria	369	54,324	27,978	55,955	97,922
	5000 lb. Criteria	188	95,803	55,164	110,327	193,078
2003-04 (Up to the control date)	100 lb. Criteria	399	38,032	25,610	51,225	89,645
	1000 lb. Criteria	277	54,005	37,071	74,142	129,754
	5000 lb. Criteria	143	94,415	72,376	144,751	253,315

5.4.5.6 The impacts of the allocation amounts on crew and vessel shares on groups of general category vessels

The analyses provided in Section 5.4.5.2 to Section 5.4.5.5 above discussed the impacts of the qualification criteria and qualification period alternatives on average allocation pounds, gross and net revenue for the vessels that would qualify for limited access under each of these alternatives. With the individual quota option, however, each vessel will receive an allocation either in pounds or in trips based on its share in the fishery during the qualification time period and level of general category TAC. This allocation amount could be quite different from the historical amount of scallops a vessel depended on for income in the past and/or the pounds of scallops. As a result, the limited access program could have significant economic impacts (either positive or negative) on the qualifiers. When the allocation amounts are less than the recent and/or historical landings of vessels, the scallop revenue will decline for all vessels. Since most vessels in the general category fishery have income from other fisheries, the relative impacts will vary according to the proportion of income derived from scallop fishing (Table 110 and Table 111). The vessels that depend heavily on scallop fishing for their revenue will be affected more if the pounds allocated fall below the levels necessary for an economically viable operation. This level, is not uniform or constant, however, and will depend on many factors including the price of scallops, the fishing costs (which change with vessel size) and the revenue from other fisheries.

Since the general category fleet exhibit considerable variability in terms of the vessel size, fishing costs and activity in other fisheries, the amount of scallops that is necessary to cover costs, pay for crew and generate income for the vessel owner will vary from one vessel to another. For these reasons, the impacts on the revenues, costs, on crew income and vessels shares are analyzed in this section for a range of allocation pounds for vessels with different gross tonnage and costs and for a range of scallop prices. Table 113 to Table 117 show estimated revenues, costs, on crew and boat shares associated with each level of allocation pounds. Thus, in order to examine the possible impacts of a qualification criteria and period alternative on

qualifiers, one could match the allocation pounds for each alternative and for different vessels and read the corresponding level of revenues, cost, on crew and boat shares from these tables.

The trip costs and fixed expenses are estimated from observer data for 2002-2005, which indicated that that costs vary with the vessel size (Table 109). The trip costs are defined as those expenses that increase or decrease with the level of fishing activity excluding the cost of crew. These costs include food, ice, water, oil and fuel, and are usually paid by crew in the scallop fishery out of their shares from the gross stock. The fixed costs include those expenses that are not usually related to the level of fishing activity or output. These are expenses on insurance, maintenance, repairs and replacement of engine, electrical and processing equipment, gear and other equipment and are obtained from the observer data for the same period. There are other fixed costs a vessel owner pays, such as for office expenses, interest, accounting, utilities and dock fees. They are not included in fixed costs estimates because the data on these items are not collected by the observer program. Therefore, fixed costs per vessel shown in Table 109 and others underestimate actual fixed costs and should be used only for the comparative analyses of the alternatives.

Since it is not possible to show revenues and costs for each general category vessel, estimates were made for four vessel groups according to their gross tonnage for the sample of vessels that were active during the 2005 fishing year and would qualify for limited access with some alternatives. These estimates show group averages only since costs and revenues could vary from vessel to vessel even within the each group (Table 109 to Table 111). The revenues and costs were estimated for four vessel groups in terms of their gross tonnage and based on the following assumptions:

- Although, there is uncertainty regarding future scallop prices, it is estimated that prices could range from \$6.00 to \$7.60 for the period 2007 - 2017 based on biological projections and the price model Appendix 5.4.23. Most of the scenario analyses used a price of \$7.60 per pound of scallops although examples with \$6.00 per pound are also provided.
- Allocation pounds were converted into number of trips by assuming that 400 lb. (possession limit) will be landed from each trip. This assumption is valid for vessels that target scallops, rather than for vessels that land scallops as a bycatch while fishing for other species. In order to land the same amount of pounds, these vessels would have to take more trips. For example, for a vessel that lands only 200 lb. of scallops from each trip, the number of trips shown in these tables will double. In that situation, since not all the trip costs could be attributed to scallop fishing, the part of trip costs due to scallops will be lower than shown in these tables. Table 112 shows that most of the general category vessels have maximum trip landings of more than 200 lb. These vessels tend to have a greater dependence on scallop fishing as a source of income compared to vessels with maximum trip landings of less than 200 lb.
- Total trip costs are estimated by multiplying trip cost per day-at-sea for each gross tonnage group with the number of trips (Table 109). Net revenue shows the difference between gross revenue and total trip costs. All cost estimates were updated using 2006 price indexes.

- The crew incomes are determined from a lay system according to which crew gets 55% of the gross stock and pays for trip costs including food, fuel, oil, water, and ice (Georgianna et al, 2005)⁴.
- Boat share is what the boat owner receives after crew incomes and trip costs (crew pays) are deducted.
- The part of fixed costs attributable to scallop fishing is estimated by multiplying total fixed costs for each vessel group with the percentage of revenue from scallop fishing. The percentages shown in Table 113 to Table 117, although based on the average values given in Table 111, are used only for the purposes of scenario analyses. They show a range of relative impacts. The dependence on scallop revenue and fixed costs vary from one vessel to another even within the each gross tonnage group and impacts on individual vessels could be different than the range of impacts shown in Table 113 to Table 117.
- The last column in these tables is estimated by deducting the fixed expenses attributable to scallop fishing from the boat share. Boat share net of fixed costs is considered as an (imperfect) proxy for profit levels associated with various allocation pounds, although actual profits will be lower than these numbers depending on other expenses not included in the fixed costs estimates in Table 109 above. As discussed above, not all fixed cost items associated with fishing operations are collected by the observer program, thus could not be taken into account in these analyses.
- It must be emphasized that boat share net of fixed costs include revenues only from scallop fishing, thus it is an imperfect proxy for profits from scallop fishing only. The majority of the vessels in the scallop fishery derive some amount of income from species other than scallops as well. As a result, for most vessels, the boat share net of fixed costs will underestimate actual amount of total profits. Both crew and vessels shares will be higher than shown in those tables if revenues from other species are added to the gross revenue. Estimating a vessel’s total revenue is beyond the scope of this analysis, however, since Amendment 11 will mainly affect scallop landings and revenues.

Table 109. Estimated costs for sample of general category vessels that were active during the 2005 fishing year.

Gross Tonnage	Number of vessels	Trip costs per day-at-sea (\$)	Average GRT	Fixed costs per vessel (\$)
Less than 50 GRT	143	291	25	37,974
51 GRT -100 GRT	62	343	75	68,225
101 GRT-150 GRT	81	416	125	100,919
Greater than 150 GRT	29	489	182	134,561
Grand Total	318	351	75	68,905

⁴ According to the recent study by Georgianna et al., “Employment, Income and Working Conditions in New Bedford’s Offshore Fisheries”, Crew shares dropped from 59% in 1993 to 55% in 2002. The report indicates that the lay system could also vary by vessel.

Table 110. Revenue from scallop and other fisheries by vessel size (2005 fishing year)

Gross Tonnage	Number of vessels	Average Scallop landings best year	Scallop landings in 2005 fishing year	% of Scallop revenue in total revenue	Average scallop revenue per vessel (\$)	Average revenue from other species(\$)	Average total revenue from per vessel (\$)
Less than 50 GRT	157	10,179	12,825	68%	97,263	45,452	142,715
51 GRT -100 GRT	80	8,593	12,493	30%	95,177	226,818	321,995
101 GRT-150 GRT	91	5,694	9,148	15%	69,533	379,324	448,857
> 150 GRT	33	3,815	6,516	7%	49,708	671,880	721,588
Grand Total	361	8,115	11,248	27%	85,463	227,069	312,532

Table 111. Composition of revenue by annual landings and GRT (2005 fishing year)

GRT	Data	Scallop landings (lb.) per vessel (2005 fishing year)					Grand Total
		<1000lb.	1000 lb.-4999 lb.	5,000 lb.-9,999 lb.	10,000 lb.-19,999 lb.	>=20,000 lb.	
< 50	% of scallop revenue in total	2%	33%	60%	78%	93%	68%
	Number of vessels	36	17	28	41	35	157
	Scallop landings (avg. per vessel)	228	2,466	7,593	14,277	33,299	12,825
	Revenue from other species (avg. per vessel)	98,049	37,572	39,293	30,372	17,770	45,452
	Scallop revenue (avg. per vessel)	1,830	18,770	59,338	108,213	251,060	97,263
	Total revenue (avg. per vessel)	99,879	56,342	98,630	138,585	268,831	142,715
50-100 GRT	% of scallop revenue in total	1%	5%	35%	47%	79%	30%
	Number of vessels	23	17	9	12	19	80
	Scallop landings (avg. per vessel)	291	2,777	7,424	15,518	36,448	12,493
	Revenue from other species (avg. per vessel)	316,650	402,368	109,595	136,438	73,614	226,818
	Scallop revenue (avg. per vessel)	2,393	19,985	59,306	120,263	275,918	95,177
	Total revenue (avg. per vessel)	319,043	422,353	168,900	256,700	349,532	321,995
101-150 GRT	% of scallop revenue in total	1%	4%	17%	51%	78%	15%
	Number of vessels	29	35	6	6	15	91
	Scallop landings (avg. per vessel)	415	2,094	7,909	17,252	39,741	9,148
	Revenue from other species (avg. per vessel)	495,799	463,745	312,449	128,974	84,048	379,324
	Scallop revenue (avg. per vessel)	3,343	17,038	63,834	132,153	297,220	69,533
	Total revenue (avg. per vessel)	499,143	480,783	376,283	261,127	381,267	448,857
>150 GRT	% of scallop revenue in total	1%	3%	6%	12%	72%	7%
	Number of vessels	12	8	5	5	3	33
	Scallop landings (avg. per vessel)	416	2,360	7,274	13,075	29,805	6,516
	Revenue from other species (avg. per vessel)	676,712	691,731	906,118	745,558	86,424	671,880
	Scallop revenue (avg. per vessel)	3,609	19,752	56,708	99,454	219,410	49,708
	Total revenue (avg. per vessel)	680,321	711,483	962,827	845,012	305,834	721,588
All	% of scallop revenue in total	1%	5%	25%	49%	84%	27%
	Number of vessels	100	77	48	64	72	361
	Scallop landings (avg. per vessel)	319	2,355	7,568	14,695	35,327	11,248
	Revenue from other species (avg. per vessel)	333,114	379,791	176,913	115,377	49,175	227,069
	Scallop revenue (avg. per vessel)	2,612	18,353	59,620	112,033	265,918	85,463
	Total revenue (avg. per vessel)	335,726	398,144	236,533	227,410	315,093	312,532

Table 112. Landings and revenue by average trip landings

Fish year	Average Scallop landing per trip >200 lb.			Average Scallop landing per trip <200 lb.		
	Number of vessels	Scallop revenue as a % of total revenue	GRT	Number of vessels	Scallop revenue as a % of total revenue	GRT
1994	27	39%	42	116	10%	88
1995	39	29%	59	125	15%	82
1996	29	49%	43	181	23%	65
1997	28	38%	53	203	25%	59
1998	18	37%	71	185	22%	63
1999	23	32%	72	168	17%	69
2000	16	68%	53	185	14%	75
2001	49	81%	33	225	21%	79
2002	49	83%	36	248	21%	84
2003	66	94%	40	259	21%	73
2004	109	87%	52	264	21%	81

The results of the analyses:

The estimates for revenues, costs, and crew income and boat shares are shown in Table 113 to Table 118. The results of these analyses could be summarized as follows:

- The estimates show at a scallop price of \$7.60 per pound, an allocation amount of 7500lb. (or about 12.5 trips) for a vessel with less than 50 GRT and with 60% income from scallops could generate a small net boat share of \$3,000 from scallop fishing only. Net income from scallop fishing will increase considerably for allocation amounts 15,000 lb. more (Table 113). If the prices were to decline to \$6.00 per pound, the allocation amount should be close to 20,000 lb. for the same vessel to make profits at the comparable levels if the price was \$7.60 (Table 114).
- For larger vessels with higher trip and fixed costs and a high dependence on scallops as a source of revenue, the allocations (either in pounds or trips) should be higher in order for these vessels to derive a net income from scallops fishing (relative to allocations for smaller vessels). For vessels with fishing income from other species, that is, for the majority of the general category fleet, profitability could be maintained at smaller amounts of allocation. The reason is that part of variable and fixed costs will be paid by the revenue obtained from other fisheries. In addition, larger vessels have a higher percentage of their income from other fisheries relative to smaller boats, thus, could maintain profitability from scallop fishing at lower allocation amounts.
- The general category vessels that land smaller amounts of scallops per year generally have less dependence on scallop revenue than vessels that target scallops and land large volumes (Table 111). For these vessels, an allocation amount for scallops smaller than what they were landing in the past would result in a decrease in revenue, but probably would not have significant negative impacts on their economic viability. Therefore, Table 113 to Table 118 would underestimate the actual level of profits for these vessels since the revenue they earn from other fisheries would pay for most of the fixed costs. For example, average revenue per vessel from other fisheries exceeded \$330,000 for vessels that landed less than 1000 lb. of scallops, and \$379,000 for vessels that landed 1000 lb. to 4,999 lb. of scallops in 2005 fishing year (Table 111). Obviously, this amount of revenue would cover both the trip costs and fixed costs and generate profits for these vessels. Therefore, for this group of vessels it is best to consider the net revenue, crew share and

boat shares as representing income and profits from scallop fishing only and disregard the last column -- given that total profits for these vessels would be higher than shown in these tables.

- The crew and boat shares from scallop fishing are estimated separately for vessels which have a trip landing of 200 lb. of scallops since they will have to take more trips to land a specific allocation amount (Table 118). These vessels also have a smaller dependence on scallops as a source of income (Table 112) and landed only small amounts of scallops in the past (Table 96). Although, crew and boat shares from scallop fishing are estimated at various levels of qualification amounts, any amount greater than 5000 lb. is not relevant for most of these vessels.

Table 113. Estimated revenues and costs for an average vessel with less than 50 gross tonnage. Price=\$7.60 per pound, Average trip costs per DA=\$291, average fixed costs per vessel=\$37,974, average revenue from other fisheries=\$ 45,452 (2005)

Allocation pounds	Number of trips	Annual Scallop Revenue	Total trip costs	Net Revenue (net of trip costs)	Crew income (net of trip costs)	Boat Share (Annual)	% of scallop revenue (1)	Fixed costs from scallop fishing	Boat share net of fixed costs (2)
2500	6.3	19,000	1,819	17,181	8,631	8,550	33%	12,532	(3,900)
7500	19	57,000	5,456	51,544	25,894	25,650	60%	22,785	3,109
10000	25	76,000	7,275	68,725	34,525	34,200	78%	29,620	4,905
15000	38	114,000	10,913	103,087	51,787	51,300	78%	29,620	22,167
20000	50	152,000	14,550	137,450	69,050	68,400	93%	35,316	33,734
25000	63	190,000	18,188	171,812	86,312	85,500	93%	35,316	50,996
30000	75	228,000	21,825	206,175	103,575	102,600	93%	35,316	68,258
40000	100	304,000	29,100	274,900	138,100	136,800	93%	35,316	102,783
50000	125	380,000	36,376	343,624	172,624	171,000	93%	35,316	137,308
60000	150	456,000	43,651	412,349	207,149	205,200	93%	35,316	171,833
70000	175	532,000	50,926	481,074	241,674	239,400	93%	35,316	206,358

(1) Percentage share of scallop revenue are estimated from Table 111 and used here merely for the purposes of scenario analyses.

(2) Revenue from other species is not included.

Note: The number in parentheses shows that there is loss to the vessel.

Table 114. Estimated revenues and costs for an average vessel with less than 50 gross tonnage. Price=\$6.0 per pound, Average trip costs per DA=\$291, average fixed costs per vessel=\$37,974, average revenue from other fisheries=\$ 45,452 (2005)

Allocation pounds	Number of trips	Annual Scallop Revenue	Total trip costs	Net Revenue (net of trip costs)	Crew income (net of trip costs)	Boat Share (Annual)	% of scallop revenue	Fixed costs from scallop fishing	Boat share net of fixed costs
2500	6.3	15,000	1,819	13,181	6,431	6,750	33%	12,532	(6,100)
7500	19	45,000	5,456	39,544	19,294	20,250	60%	22,785	(3,491)
10000	25	60,000	7,275	52,725	25,725	27,000	78%	29,620	(3,895)
15000	38	90,000	10,913	79,087	38,587	40,500	78%	29,620	8,967
20000	50	120,000	14,550	105,450	51,450	54,000	93%	35,316	16,134
25000	63	150,000	18,188	131,812	64,312	67,500	93%	35,316	28,996
30000	75	180,000	21,825	158,175	77,175	81,000	93%	35,316	41,858
40000	100	240,000	29,100	210,900	102,900	108,000	93%	35,316	67,583
50000	125	300,000	36,376	263,624	128,624	135,000	93%	35,316	93,308
60000	150	360,000	43,651	316,349	154,349	162,000	93%	35,316	119,033
70000	175	420,000	50,926	369,074	180,074	189,000	93%	35,316	144,758

(1) Percentage share of scallop revenue are estimated from Table 111 and used here merely for the purposes of scenario analyses.

(2) Revenue from other species is not included.

Note: The number in parentheses shows that there is loss to the vessel.

Table 115. Estimated revenues and costs for an average vessel with 51 to 100 gross tonnage. Price=\$7.60 per pound, Average trip costs per DA=\$343, average fixed costs per vessel=\$68,225, average revenue from other fisheries=\$226,818 (2005)

Allocation pounds	Number of trips	Annual Scallop Revenue	Total trip costs	Net Revenue (net of trip costs)	Crew income (net of trip costs)	Boat Share (Annual)	% of scallop revenue (1)	Fixed costs from scallop fishing	Boat share net of fixed costs (2)
2500	6	19,000	2,144	16,856	8,306	8,550	5%	3,411	5,139
7500	19	57,000	6,431	50,569	24,919	25,650	35%	23,879	1,771
10000	25	76,000	8,575	67,425	33,225	34,200	47%	32,066	2,134
15000	38	114,000	12,863	101,138	49,838	51,300	47%	32,066	19,234
20000	50	152,000	17,150	134,850	66,450	68,400	79%	53,897	14,503
25000	63	190,000	21,438	168,563	83,063	85,500	79%	53,897	31,603
30000	75	228,000	25,725	202,275	99,675	102,600	79%	53,897	48,703
40000	100	304,000	34,300	269,700	132,900	136,800	79%	53,897	82,903
50000	125	380,000	42,875	337,125	166,125	171,000	79%	53,897	117,103
60000	150	456,000	51,450	404,550	199,350	205,200	79%	53,897	151,303
70000	175	532,000	60,025	471,975	232,575	239,400	79%	53,897	185,503

(1) Percentage share of scallop revenue are estimated from Table 111 and used here merely for the purposes of scenario analyses.

(2) Revenue from other species is not included.

Note: The number in parentheses shows that there is loss to the vessel.

Table 116. Estimated revenues and costs for an average vessel with 101 to 150 gross tonnage. Price=\$7.60 per pound, Average trip costs per DA=\$416, average fixed costs per vessel=\$100,919, average revenue from other fisheries=\$379,324 (2005)

Allocation pounds	Number of trips	Annual Scallop Revenue	Total trip costs	Net Revenue (net of trip costs)	Crew income (net of trip costs)	Boat Share (Annual)	% of scallop revenue (1)	Fixed costs from scallop fishing	Boat share net of fixed costs (2)
2500	6	19,000	2,600	16,400	7,850	8,550	4%	4,037	4,513
7500	19	57,000	7,800	49,200	23,550	25,650	17%	17,156	8,494
10000	25	76,000	10,400	65,600	31,400	34,200	51%	51,469	(17,269)
15000	38	114,000	15,600	98,400	47,100	51,300	78%	78,717	(27,417)
20000	50	152,000	20,800	131,200	62,800	68,400	78%	78,717	(10,317)
25000	63	190,000	26,000	164,000	78,500	85,500	78%	78,717	6,783
30000	75	228,000	31,200	196,800	94,200	102,600	78%	78,717	23,883
40000	100	304,000	41,600	262,400	125,600	136,800	78%	78,717	58,083
50000	125	380,000	52,000	328,000	157,000	171,000	78%	78,717	92,283
60000	150	456,000	62,400	393,600	188,400	205,200	78%	78,717	126,483
70000	175	532,000	72,800	459,200	219,800	239,400	78%	78,717	160,683

(1) Percentage share of scallop revenue are estimated from Table 111 and used here merely for the purposes of scenario analyses.

(2) Revenue from other species is not included.

Note: The number in parentheses shows that there is loss to the vessel.

Table 117. Estimated revenues and costs for an average vessel with gross tonnage of greater than 150 GRT Price=\$7.60 per pound, Average trip costs per DA=\$489, average fixed costs per vessel=\$134,561, average revenue from other fisheries=\$671,880 (2005)

Allocation pounds	Number of trips	Annual Scallop Revenue	Total trip costs	Net Revenue (net of trip costs)	Crew income (net of trip costs)	Boat Share (Annual)	% of scallop revenue (1)	Fixed costs from scallop fishing	Boat share net of fixed costs (2)
2500	6	19,000	2,600	16,400	7,850	8,550	4%	4,037	4,513
7500	19	57,000	7,800	49,200	23,550	25,650	17%	17,156	8,494
10000	25	76,000	10,400	65,600	31,400	34,200	51%	51,469	(17,269)
15000	38	114,000	15,600	98,400	47,100	51,300	78%	78,717	(27,417)
20000	50	152,000	20,800	131,200	62,800	68,400	78%	78,717	(10,317)
25000	63	190,000	26,000	164,000	78,500	85,500	78%	78,717	6,783
30000	75	228,000	31,200	196,800	94,200	102,600	78%	78,717	23,883
40000	100	304,000	41,600	262,400	125,600	136,800	78%	78,717	58,083
50000	125	380,000	52,000	328,000	157,000	171,000	78%	78,717	92,283
60000	150	456,000	62,400	393,600	188,400	205,200	78%	78,717	126,483
70000	175	532,000	72,800	459,200	219,800	239,400	78%	78,717	160,683

(1) Percentage share of scallop revenue are estimated from Table 111 and used here merely for the purposes of scenario analyses.

(2) Revenue from other species is not included.

Note: The number in parentheses shows that there is loss to the vessel.

Table 118. Estimated revenues and costs for an average vessel with 51 to 100 gross tonnage and average trip landings of 200 lb. Price=\$7.60 per pound. Average trip costs per DA=\$343

Allocation pounds	Number of trips	Annual Scallop Revenue	Total trip costs	Net Revenue (net of trip costs)	Crew income (net of trip costs)	Boat Share (Annual)
1000	5	7,600	437	7,163	3,743	3,420
5000	25	38,000	2,184	35,816	18,716	17,100
10000	50	76,000	4,368	71,632	37,432	34,200
20000	100	152,000	8,736	143,264	74,864	68,400
30000	150	228,000	13,104	214,896	112,296	102,600
40000	200	304,000	17,472	286,528	149,728	136,800
50000	250	380,000	21,840	358,160	187,160	171,000

5.4.6 The impacts of qualification criteria and time period alternatives on recent participants

This section provides an analysis of the potential economic impacts of qualification alternatives on the general category vessels combined with the impacts of qualification time period.

Although, the economic impacts of poundage criteria and time period are interrelated, the impacts of the three qualification criteria alternatives, i.e., 100 lb., 1000 lb. and 5000 lb., will also be examined separately by comparing the impacts within the same qualification time period; for example, for 5 year period. Similarly, the impacts of the qualification time period alternatives will be analyzed independently from the impacts of poundage criteria, by comparing the impacts for the same poundage alternative (for example, 1000 lb. criteria) across the three time periods, for 2 year, 5 year and 11 year. Section 7.9.6 in IRFA and Tables 212 and 213 provide, however, an extensive analysis of the economic impacts on the recent participants of the general category fishery by their relative dependence on scallops as a source of income.

The economic impacts of a limited access program on the recent participants of the general category fishery will vary according to whether a vessel had a general category permit before the control date and had landed a specific amount of scallops as required by qualification alternatives during a specific qualification time period. The magnitude of the economic impacts will be determined, however, not only by the historical activity but also by the recent participation in scallop fishery. This section provides an analysis of the economic impacts by comparing the potential impacts of a limited access program relative to the scallop fishing activity of the general category vessels during 2005 and 2006 fishing years.

Table 119 summarizes scallop landings and revenue for the general category vessels according to whether they had a permit before the control date. The majority of the recent participants, 516 vessels in 2005 fishing year, and 455 vessels in 2006 fishing year had general category permits before the control date. Not all of these vessels will qualify for limited access, however, either because they did not land any scallops before the control date during a qualification period, or that their scallop landings do not meet the poundage criteria specified by the qualification criteria alternatives. In addition to those vessels, the vessels that obtained their general category permit for the first time after the control date will not qualify for limited access. These include 81 vessels that were active in 2005 and 88 vessels that were active in 2006 (up to Jan.2006) fishing

years. Table 120 shows the number and revenues of the vessels by their primary region of landing and permit date. Majority of vessels that received their permits after the control date are from Mid-Atlantic area, with 16 from North Carolina, 14 from New Jersey, 12 from Delaware, and the rest from the other states. Most of these vessels have a high dependence on scallops for their fishing income.

Table 119. Scallop Landing and revenues by general category vessels according to the permit date

Permit Before the control date	Data	2005 Fish year	2006 Fish year up to Jan.06*
NO	Number of active vessels	81	88
	Scallop Landings(lb)	1,442,777	1,064,389
	Scallop Revenue (\$)	11,264,313	6,740,284
	Scallop lb. per vessel	17,812	12,095
	Scallop revenue per vessel	139,066	76,594
YES	Number of active vessels	516	455
	Scallop Landings(lb)	5,808,695	4,452,781
	Scallop Revenue (\$)	43,996,020	27,734,725
	Scallop lb. per vessel	11,257	9,786
	Scallop revenue per vessel	85,264	58,443
Total number of active vessels		597	543
Total Scallop Landings(lb)		7,251,472	5,517,170
Total Scallop Revenue (\$)		55,260,333	34,475,009
Average scallop lb. per vessel		12,147	10,161
Average scallop revenue per vessel		92,563	61,390

* Preliminary data

Table 120. Landings and Revenues by general category vessels by permit date and primary region of landing

Permit Before the control date	REGION	Data	2005 Fish year	2006 Fish year ⁽¹⁾
NO	New England	Number of active vessels	20	21
		Scallop lb. per vessel (\$)	5,080	6,322
		Scallop revenue per vessel (\$)	40,103	43,716
		Total revenue per vessel (\$)	49,330	58,268
		Total scallop landings	101,598	132,772
		% of revenue from scallops	84.80%	77.88%
		Total scallop revenue (\$)	802,061	918,041
		Total revenue (\$)	986,604	1,223,635
	Mid Atlantic	Number of active vessels	61	67
		Scallop lb. per vessel (\$)	21,987	13,905
		Scallop revenue per vessel (\$)	171,512	86,899
		Total revenue per vessel (\$)	186,774	93,324
		Total scallop landings	1,341,179	931,617
		% of revenue from scallops	88.06%	95.10%
Total scallop revenue (\$)		10,462,252	5,822,243	
Total revenue (\$)		11,393,234	6,252,721	
YES	New England	Number of active vessels	266	249
		Scallop lb. per vessel (\$)	6,094	7,825
		Scallop revenue per vessel (\$)	48,739	51,702
		Total revenue per vessel (\$)	257,071	180,653
		Total scallop landings	1,620,977	1,948,380
		% of revenue from scallops	41.82%	47.90%
		Total scallop revenue (\$)	12,964,619	12,873,773
		Total revenue (\$)	68,380,810	44,982,641
	Mid Atlantic	Number of active vessels	250	195
		Scallop lb. per vessel (\$)	16,751	11,907
		Scallop revenue per vessel (\$)	124,320	70,359
		Total revenue per vessel (\$)	312,063	133,002
		Total scallop landings	4,187,718	2,321,836
		% of revenue from scallops	61.69%	70.06%
Total scallop revenue (\$)		31,080,079	13,719,921	
Total revenue (\$)		78,015,805	25,935,420	
Total Number of vessels			597	532 ⁽²⁾

(1) The data for 2006 fish year is preliminary and includes data up to Jan.18, 2007. This data may not yet include all the revenues from other species, thus could underestimate total revenue and/or overestimate percentage of scallop revenue in total revenue.

(2) There 543 vessels that landed scallops in 2006, but some of these vessels did not have complete revenue information, thus not included in the Table.

The economic impacts of the qualification criteria alternatives for both qualifying and the non-qualifying vessels will vary with the assumptions made about the potential landings and revenues by the general category vessels. This section discusses the economic impacts relative to the recent levels of scallop landings by general category vessels. Such a scenario could realistically assess impacts only if the future yield from the scallop resource stayed at the recent levels, with no further entry to the general category fishery, allowing the same general category vessels to participate in the scallop fishery at the same rate as observed in 2005-2006 fishing years. Under no action, however, new vessels could enter the general category fishery increasing the fishing

mortality, and reducing the stock biomass of the scallop resource. There is no question that, under no action, that is, without continuous management action to keep the target mortality level in track, scallop yield, revenues and profits for all vessels, including those of the recent participants of the general category fishery will decline.

Under the status quo management (as distinct from no action), however, increase in scallop mortality due to new entry into the general category fishery or due to an increase in landings of the present participants would be corrected by framework action in accordance with the Sea Scallop FMP regulations. Assuming that this correction would be made by reducing day-at-sea allocations for the limited access vessels as had been done in the past rather than by reducing possession limit for the general category vessels, there will be no significant changes in the scallop stock biomass over the long-term. Under these circumstances, it is assumed that the present participants could fish at the same or higher (lower) levels compared to their recent fishing depending on the market conditions, scallop prices and fishing costs. The recent biological simulations (Table 97) show that scallop landings could range somewhere between 56 million lb. to 68 million lb. in the future years, which are close to the levels observed for 2005 (53 million lb.) and 2006 fishing years (46 million lb. as of Jan.2006). If indeed these projections materialize and scallop prices do not differ significantly from these levels, the analyses shown in this section could approximate the economic impacts of qualification criteria and time period alternatives with limited access, separately from the impacts of a general category TAC. If on the other hand, if scallop biomass turns out be much lower than estimated because of the overfishing observed in the recent years, future scallop landings of both general category and limited access vessels could be lower than the 2005-2006 levels. In that case, the analyses in this section would overestimate the absolute impacts of the alternatives compared to the status quo management of unlimited access by general category vessels (in terms of gross and net revenues). The relative impacts of the qualification criteria and qualification period alternatives will not change, however, if the future scallop landings and/or prices were significantly lower (higher) from their levels in 2005 and 2006, since the estimated landings and revenues for status quo will be lower (higher) under all alternatives.

The economic impacts of the qualification criteria and period alternatives will also depend on the level of general category TAC. The magnitude of economic impacts with the TAC management could be similar to the results presented in this section only if general category TAC is set at either the 2005 or 2006 level. The relative impacts of qualification criteria and period alternatives vis-à-vis each other will not change, however, with the level of TAC. On the other hand, the absolute impacts, that is, whether certain alternatives will have negative or positive impacts on the qualifiers, will vary with the level of general category TAC for each qualification alternative. These impacts including the distributional impacts of the alternative criteria and time period combined with a TAC management were analyzed separately in Section 5.4.5.

Table 119 summarizes best year scallop landings for each qualification time period and scallop landings in 2005 and 2006 fishing years (up to Jan. 2006 for 2006) for the general category vessels for each qualification criteria alternative. The first part of the Table shows the impacts on general category vessels that had a permit before the control date, and the second part (last row) of the Table shows the impacts on the vessels that had a general category permit for the first time after the control date.

Table 121. Historical and recent activity by general category vessels that qualify and do not qualify for limited access according to the qualification criteria and time period alternatives.

Time Period	Qualification lb. Criteria	Qualify	Qualification Period Activity		2005 fish year: March 2005 to February 2006			2006 fish year: March 2006 to January 2006		
			Number of active vessels	Total best year scallop landings (lb)	Number of active vessels	Scallop Landings (lb.)	Scallop Revenue (\$)	Number of active vessels	Scallop Landings (lb.)	Scallop Revenue (\$)
General category vessels that had a permit before the control date										
11 Years	Not active	NO	0	0	152	1,731,381	13,082,434	128	1,236,330	7,677,402
	100	NO	219	27,618	46	242,077	1,767,825	38	197,173	1,232,973
		YES	705	4,289,112	318	3,835,237	29,194,439	289	3,019,278	18,824,350
	1000	NO	465	130,428	130	700,305	5,393,692	124	871,820	5,549,105
		YES	459	4,187,989	234	3,377,009	25,568,572	203	2,344,631	14,508,218
	5000	NO	721	713,786	233	1,268,207	9,821,372	208	1,612,748	10,190,219
		YES	203	3,604,631	131	2,809,107	21,140,892	119	1,603,703	9,867,104
	5 years	Not active	NO	0	0	172	1,843,638	13,935,636	144	1,312,725	8,198,255
100		NO	129	12,397	43	210,624	1,592,874	37	240,229	1,510,414
		YES	548	3,963,266	301	3,754,433	28,516,188	274	2,899,827	18,026,056
1000		NO	308	93,091	120	613,086	4,713,964	112	817,239	5,157,371
		YES	369	3,883,173	224	3,351,971	25,395,098	199	2,322,817	14,379,099
5000		NO	489	502,964	214	1,174,636	9,112,295	193	1,551,273	9,757,442
		YES	188	3,473,300	130	2,790,421	20,996,767	118	1,588,783	9,779,028
2 Years		Not active	NO	0	0	210	2,132,697	16,202,289	180	1,626,242
	100	NO	83	7,888	36	161,584	1,237,369	31	116,649	741,199
		YES	399	2,969,856	270	3,514,414	26,605,040	244	2,709,890	16,776,816
	1000	NO	205	64,204	105	597,846	4,510,888	100	668,155	4,234,159
		YES	277	2,913,614	201	3,078,152	23,331,521	175	2,158,384	13,283,856
	5000	NO	339	368,799	192	1,133,011	8,614,703	173	1,369,552	8,601,101
		YES	143	2,609,019	114	2,542,987	19,227,706	102	1,456,987	8,916,914
	General category vessels that had a permit only <u>after</u> the control date									
From March 2005 to Jan.2006		NO	0	0	81	1,442,777	11,264,313	88	1,064,389	6,740,284

Table 122. Composition of total revenue by qualification criteria and time period alternatives in 2005 fishing year.

Time Period	Qualification lb. Criteria	Qualify	Number of active vessels	Scallop Revenue as a % of Total Revenue	Average scallop revenue per vessel (\$)	Average Revenue from other species per vessel	Average Total revenue per vessel (\$)	Total scallop revenue (\$)	Total revenue (\$)
General category vessels that had a permit before the control date									
11 Years	Not active	NO	152	62%	86,069	133,974	220,043	13,082,434	33,446,503
	100	NO	46	22%	38,431	336,142	374,573	1,767,825	17,230,372
		YES	318	50%	91,806	209,199	301,005	29,194,439	95,719,740
	1000	NO	130	24%	41,490	347,717	389,207	5,393,692	50,596,884
		YES	234	60%	109,267	157,199	266,467	25,568,572	62,353,228
	5000	NO	233	28%	42,152	312,814	354,966	9,821,372	82,707,035
YES		131	80%	161,381	69,482	230,863	21,140,892	30,243,077	
5 years	Not active	NO	172	58%	81,021	148,091	229,112	13,935,636	39,407,306
	100	NO	43	24%	37,044	288,418	325,462	1,592,874	13,994,860
		YES	301	51%	94,738	214,213	308,952	28,516,188	92,994,449
	1000	NO	120	23%	39,283	345,405	384,688	4,713,964	46,162,614
		YES	224	61%	113,371	158,177	271,548	25,395,098	60,826,695
	5000	NO	214	29%	42,581	316,778	359,359	9,112,295	76,902,805
YES		130	80%	161,514	69,921	231,435	20,996,767	30,086,504	
2 Years	Not active	NO	210	54%	77,154	177,612	254,766	16,202,289	53,500,875
	100	NO	36	24%	34,371	244,157	278,528	1,237,369	10,027,021
		YES	270	53%	98,537	208,384	306,921	26,605,040	82,868,719
	1000	NO	105	26%	42,961	312,458	355,419	4,510,888	37,318,958
		YES	201	62%	116,077	160,424	276,501	23,331,521	55,576,782
	5000	NO	192	31%	44,868	297,568	342,436	8,614,703	65,747,782
YES		114	81%	168,664	69,476	238,140	19,227,706	27,147,958	
General category vessels that had a permit only <u>after</u> the control date									
From March 2005 to Jan.2006		NO	81	87%	139,066	13,772	152,838	11,264,313	12,379,838

Summary of impacts

- 11 year qualification criteria will have the smallest impacts on recent participants of the fishery for each poundage alternative compared to the 5 years and 2 years qualification periods (Table 121).
- Increase in the poundage criteria will significantly increase, however, the loss in revenue of the recent participants that do not qualify for limited access. For example, with 1000 lb. criteria and five year period, 112 vessels that earned over \$5 million in 2006 will not qualify. With 5000 lb. criteria, however, 193 vessels that earned over \$9.7 scallop revenue in 2006 will not qualify for limited access. Future landings and revenues of these vessels could be less; however, than the levels observed in 2005-06 fishing years even with the status quo management. Nevertheless, by disqualifying a larger number of vessels, the higher poundage alternatives will have larger negative economic impacts on the recent participants regardless of the future amount of landings or TAC. The same conclusions are valid if the qualification period was reduced to 5 or 2 years. For each of

these periods, 5000 lb. criteria will result in a larger negative impact on the recent participants of the general category fishery compared to 100 lb. and 1000 lb. criteria.

- The reverse will be true for the vessels that will qualify for these alternatives. Since general category TAC would be divided between fewer participants, 5000 lb. qualification alternative will result in largest gains for the qualified vessels depending on the level of TAC.
- Although, the absolute economic impacts will vary, the relative economic impacts of one alternative versus another on the general category vessels will not change, with the level of TAC or the level of future landings.
- The results of these analyses should be interpreted with caution, however. The number of affected vessels, scallop landings and revenues were estimated from the 2005 and 2006 fishing year (up to January 2006) data. These numbers could change in the future depending on several factors, including in changes in scallop resource biomass and yield, scallop prices, import prices for scallops, fishing expenses, VMS costs, changes in profitability of the scallop trips relative to trips targeted on other species, and changes in management measures affecting scallop fishery and other fisheries that limited access and general category vessels participate.

5.4.6.1 Relative Impacts on groups of general category vessels

The impacts of the Amendment 11 alternatives are analyzed in detail the following sections for four groups of general category vessels according to whether they qualify for limited access and according to whether they participated in the scallop fishery before and after the control date:

Group 1. Vessels that had a permit and were active before the control date and qualify for limited access.

Group 2 Vessels that had a permit and were active before the control date but do not qualify for limited access due to the poundage criteria.

Group 3 Vessels that had a permit before the control date but were not active until after the control date, thus do not qualify for limited access.

Group 4. Vessels that did not have a permit before the control date, thus do not qualify for limited access, but were active during the recent years.

5.4.6.1.1 The impacts on vessels that had a permit and were active before the control date and qualify for limited access (Group 1).

The impacts of the qualification criteria alternatives on the number of vessels that will qualify were discussed in Section 5.4.3 (Table 80). This section examines the economic impacts on the qualifiers relative to their recent activity in the general category scallop fishery, since the economic impacts of the qualification criteria alternatives on these vessels will depend on whether they will be able to land similar amounts with the limited access program and TAC management.

The impacts on the qualified vessels will vary according to whether they participated in the general category fishery in the recent years and derived revenue from scallops. Not all the vessels that qualify for limited access according to their historical participation landed any scallops during the last two fishing years. Table 119 shows the scallop landings of the vessels

before the control date for each qualification period and compares these with scallop landings and revenue after the control date. Using 5 year period as an example, it could be seen out of 548 vessels would qualify for limited access with 100 lb. criteria, only 301 participated in the scallop fishery in 2005 and 274 in 2006 fishing years. These same vessels landed 3.7 million lb. of scallops and earned \$28.5 million revenue in 2005. For 2006, 274 qualifiers landed 2.8 million lb. and earned \$18.0 million revenue from scallops. The economic impacts of the qualification criteria alternatives on these vessels will depend on the level of general category TAC and on the amount of pounds to be allocated to other vessels. Since these vessels will have to share total general category allocation with the qualifiers that were not active in the scallop fishery in recent years, if TAC is lower than their landings plus the share of the vessels that were not active during the recent years, they will incur a loss from limited access. Out of these 548 qualifiers, 247 vessels that did not fish in 2005 and 274 vessels that did not fish in 2006 will gain from a limited access program since they will be allocated scallop pounds (or trips) that they can land in the future, or even lease or sell under some alternatives.

The analysis based on the recent activity of the qualifiers show, however, that a higher poundage criterion will reduce the number of qualifiers that were not active in the recent years. For example, 1000 lb. criteria will include 369 qualifiers, out of which 224 vessels landed scallops in 2005 whereas 145 vessels did not fish for scallops. As the qualification criteria is increased to 5000 lb., 130 vessels out of 188 qualifiers that were active in 2005 would have to share the TAC with only 58 additional qualifiers that did not fish in 2005. As a result, any loss in revenue for recent participants will be minimized since TAC will be shared with a smaller pool of vessels. Similarly, if the TAC was set larger than the sum of pounds the active could land under status quo management, these vessels could gain from the limited access program since the share per qualified vessel will be higher. Overall, the same conclusions will be valid for the 11 year and 2 year qualification periods, that is, higher poundage criteria will benefit those qualifiers that were active in the recent years relatively more compared to lower poundage criteria within each time period. An analysis of the distributional impacts of qualification criteria and period alternatives on vessels that were active in the fishery versus those vessels with historical participation only is provided in Section 5.4.6.2.

5.4.6.1.2 The impacts on vessels that had a permit and were active before the control date but do not qualify for limited access (Group 2).

The qualification criteria and time period alternatives will differential economic impacts on this group of vessels depending on their recent participation of in the general category fishery. For example, for 5 year qualification period and 1000 lb. criteria , 308 vessels that had a permit before the control date will not qualify for limited access because their annual scallop landings from their best year was below 1000 lb. during 2000-2004 fishing years (Table 121). Majority of these vessels, 188 vessels in 2005 and 196 vessels in 2006, did not participate in the scallop fishery during the recent years, however, and will not be impacted from the proposed alternatives in terms of any loss in current revenue from scallops.

The qualification criteria and time period alternatives will have negative impacts on those no qualifiers that were active in the general category scallop fishery during the recent years. Again using 5 year period as an example combined with the 1,000 lb. criteria, Table 121 shows that 120 vessels out of 308 no qualifiers landed scallops in 2005 and 112 vessels landed scallops in 2006.

These vessels that will not be allowed to fish in the future if a limited access program were instituted using these criteria. Assuming that the future conditions with status quo resemble to the conditions observed in 2005 -2006 fishing years, these vessels will lose their revenues from scallops ranging from \$4.7 million (2005) to at least \$5.1 million (2006). Comparing the scallop revenue for the groups of vessels for each qualification criteria within the same time period, it is evident that by disqualifying a greater number of vessels, a higher poundage criterion will have larger negative economic impacts on those vessels. For example, a 5000 lb. criterion would almost double the revenue loss by excluding 214 vessels in 2005 that were active and 193 vessels that were active in 2006 from limited access.

The negative impacts on group two vessels do not seem to change significantly across qualification time alternatives, however. Again using the same example with 1000 lb. criteria, 130 vessels that were active in 2005 and 124 vessels that were active in 2006 will disqualify for limited access with the 11 year qualification period. These loss in scallop revenue for these vessels would range between \$5.4 million to \$5.5 million for these vessels if it is assumed that they could land similar amounts and receive similar prices in the future with the status quo management. If instead, a two year period was implemented with the 1000 lb. criteria, 105 vessels that were active in 2005 and 100 vessels that were active in 2006 will be impacted by these measures, with a future potential loss in revenue ranging from \$4.3 million (2006) to \$4.5 million (2005). In other words, it seems that a 2 year qualification period will have less negative impacts for this group of vessels compared to 11 year period, but this is only because 2 year period eliminated many vessels that were active during the longer period but did not participated in the general category fishery during the last 2 years. For example, the number of vessels that had a permit before the control date and were active in 2005 but were not active during the qualification period increase from 152 vessels for the 11 year qualification period to 210 vessels for 2 year qualification period. Some of these additional 68 vessels are already included among vessels that do not qualify with 1000 lb. criteria and 11 year qualification period. In other words, it is not because 2 year qualification period had less negative impacts in terms of total number of participants and their loss in scallop revenue, but because some of these impacts were grouped under Group 1 vessels.

For these reasons, overall impacts of the qualification time period alternatives could be better assessed in Table 123, which sums the total landings and revenue of the recent participants that had a permit before the control date but do not qualify for limited access under various alternatives (Sum of Group 1 and Group 2 vessels). Comparing the total revenue in 2005 of no qualifiers for 11 year period with 2 year period, again using 1000 lb. criteria as an example, indicates that the negative impacts on the vessels that disqualify will be larger with the 2 year period (315 vessels and \$20.6 million scallop revenue) than with the 11 year period (282 vessels and \$18.4 million scallop revenue).

5.4.6.1.3 The impacts on vessels that had a permit before the control date but were not active until after the control date (Group 3)

The impacts on those vessels that had a permit before the control date but were not active in general category fishery until after the control date are shown in the first row (Not active) of each qualification time period. For example, for 11 years qualification time period, the first row shows that 152 vessels that had a permit before the control date and landed scallop during 2005

will not qualify for limited access because they had no landings of scallops prior to the control date. For 2006 fishing year, 128 such vessels that landed scallops would not qualify for limited access. These vessels landed 1.7 million lb. of scallops in 2005 and 1.1 million lb. of scallops in 2006 fishing year. If conditions for the productivity of the scallop resource and prices and costs remained at the similar levels that were observed during 2005-06 scallop resource allowing these vessels to participate in the general category fishery at the same rate in the future with status quo management, these vessels could derive an income from the scallop fishery ranging from \$6.9 million (2006 level) to \$13.0 million (2005 level) in a year. These amounts would equal to the loss in future revenue for these vessels since they will not qualify for limited access with any of the qualification criteria alternatives. Reducing the qualification time period from 11 years to the last five or two years up to the control date, will result in more vessels (172 for 5 years, 210 for 2 years in 2005) being disqualified for limited access because of no activity and/or permit during these periods. As a consequence, future loss in revenue will increase with the 2 years qualification period resulting in largest loss in revenue ranging from \$10.2 million (2006 level) to \$16.1 million (2005 level) for these vessels. As discussed above, future landings and revenues could be less (more) than these levels under status quo management depending on the conditions affecting scallop resource and prices. In such a scenario, the absolute impacts of all the qualification time period alternatives will be lower (higher) than estimated. But the relative impacts would not change. By disqualifying a larger number of vessels, the shorter qualification periods would still have larger negative economic impacts on the recent participants. The three qualification criteria alternatives will have the same impacts on these group of vessels since require all vessels have some level of scallop landings during the qualification time period to qualify for limited access.

5.4.6.1.4 The impacts on vessels that did not have a permit before the control date (Group 4)

Under all qualification period alternatives, 81 vessels that participated in the general category fishery in 2005 and 88 vessels that landed scallops in 2006 will be disqualified from limited access because they did not have a general category permit before the control date (Table 119 to Table 123). There were 119 such unique vessels for 2005-06 fishing years. The revenue loss for these vessels would range between \$6.7 million (2006 level) to \$11.2 million (2005 level) as a result of the proposed limited access program if future level of landings and prices with status quo were approximately similar to what has been observed during 2005-06. This loss could be lower than these levels, however, if the scallop biomass and productivity decline in the future years, and/or the general category landings were managed by TAC lower than the present level of general category landings.

Table 123. Combined Impacts (total include vessels which had a permit before control date but did not land scallops during the qualification time period).

Time Period	Qual lb. Criteria	Qualify	Qualification Period Activity		2005 fish year: March 2005 to February 2006			2006 fish year: March 2006 to January 2006		
			Number of active vessels	Total best year scallop landings (lb)	Number of active vessels	Scallop Landings (lb.)	Scallop Revenue (\$)	Number of active vessels	Scallop Landings (lb.)	Scallop Revenue (\$)
General category vessels that had a permit before the control date										
11 Years	GTE 100	NO	219	27,618	198	1,973,458	14,801,581	166	1,433,503	8,910,375
		YES	705	4,289,112	318	3,835,237	29,194,439	289	3,019,278	18,824,350
	GTE 1000	NO	465	130,428	282	2,431,686	18,427,448	252	2,108,150	13,226,507
		YES	459	4,187,989	234	3,377,009	25,568,572	203	2,344,631	14,508,218
	GTE 5000	NO	721	713,786	385	2,999,588	22,855,128	336	2,849,078	17,867,621
		YES	203	3,604,631	131	2,809,107	21,140,892	119	1,603,703	9,867,104
5 Years	GTE 100	NO	129	12,397	215	2,054,262	15,479,832	181	1,552,954	9,708,669
		YES	548	3,963,266	301	3,754,433	28,516,188	274	2,899,827	18,026,056
	GTE 1000	NO	308	93,091	292	2,456,724	18,600,922	256	2,129,964	13,355,626
		YES	369	3,883,173	223	3,351,971	25,395,098	199	2,322,817	14,379,099
	GTE 5000	NO	489	502,964	386	3,018,274	22,999,253	337	2,863,998	17,955,697
		YES	188	3,473,300	130	2,790,421	20,996,767	118	1,588,783	9,779,028
2 Years	GTE 100	NO	83	7,888	246	2,294,281	17,390,980	211	1,742,891	10,957,909
		YES	399	2,969,856	270	3,514,414	26,605,040	244	2,709,890	16,776,816
	GTE 1000	NO	205	64,204	315	2,730,543	20,664,499	280	2,294,397	14,450,869
		YES	277	2,913,614	201	3,078,152	23,331,521	175	2,158,384	13,283,856
	GTE 5000	NO	339	368,799	402	3,265,708	24,768,314	353	2,995,794	18,817,811
		YES	143	2,609,019	114	2,542,987	19,227,706	102	1,456,987	8,916,914
General category vessels that had a permit only <u>after</u> the control date										
From March 2005 to Jan.2006		NO	-	-	81	1,442,777	11,264,313	88	1,064,389	6,740,284
General category fleet totals for 2005-06 fishing years					597	7,251,472	55,260,333	543	5,517,170	34,475,009

Table 124. Composition of scallop landings and revenues in 2005 and 2006 fishing years by qualification and time period

Time Period	Qualification lb. Criteria	Qualify	2005 fish year: March 2005 to February 2006			2006 fish year: March 2006 to January 2006		
			Number of active vessels	Scallop Landings (lb.)	Scallop Revenue (\$)	Number of active vessels	Scallop Landings (lb.)	Scallop Revenue (\$)
General category vessels that had a permit before the control date								
11 Years	100	NO	33%	27%	27%	31%	26%	26%
		YES	53%	53%	53%	53%	55%	55%
	1000	NO	47%	34%	33%	46%	38%	38%
		YES	39%	47%	46%	37%	42%	42%
	5000	NO	64%	41%	41%	62%	52%	52%
		YES	22%	39%	38%	22%	29%	29%
5 Year	100	NO	36%	28%	28%	33%	28%	28%
		YES	50%	52%	52%	50%	53%	52%
	1000	NO	49%	34%	34%	47%	39%	39%
		YES	37%	46%	46%	37%	42%	42%
	5000	NO	65%	42%	42%	62%	52%	52%
		YES	22%	38%	38%	22%	29%	28%
2 Year	100	NO	41%	32%	31%	39%	32%	32%
		YES	45%	48%	48%	45%	49%	49%
	1000	NO	53%	38%	37%	52%	42%	42%
		YES	34%	42%	42%	32%	39%	39%
	5000	NO	67%	45%	45%	65%	54%	55%
		YES	19%	35%	35%	19%	26%	26%
General category vessels that had a permit only after the control date								
From March 2005 to Jan.2006		NO	14%	20%	20%	16%	19%	20%
General category fleet totals for 2005-06 fishing			100%	100%	100%	100%	100%	100%

5.4.6.2 Distributional impacts of alternatives between qualified vessels according to their recent activity in the general category fishery

The distributional impacts of the qualification alternatives on the qualifiers that were active and not active in the general category fishery during the recent years are examined in Table 126 and Table 127. For the purposes of demonstration, general category TAC is assumed to be 4 million lb.

The economic impacts on the qualified vessels will vary according to whether they participated in the general category fishery in the recent years and derived revenue from scallops. Not all the vessels that qualify for limited access according to their historical participation landed any scallops during the last two fishing years. For example, with the 5 year qualification period and 1000 lb. pound criteria, 369 vessels would qualify for limited access, which includes 241 vessels that participated in the general category scallop fishery in 2005 and 2006. These vessels landed 3.3 million lb. of scallops in 2005 and 2.3 million lb. of scallops in 2006 fishing year so far. If the general category TAC was set to 2 million lb., for example, and then divided among the 369 qualified vessels, the vessels that were not active in recent years will gain and the vessels that

were active during the recent years will loose. The magnitude of the gains and losses will change with the TAC.

Table 125. The impacts of qualification alternatives on allocation pounds for vessels that qualify for limited access according to their recent participation in the fishery using an example of 4 million lb. of TAC

Period	Qualification	2005-06 total activity	Number of vessels	Total scallop landings (best year)	Scallop landings (2005)	Scallop landings (2006)
11 Years	100	Active one or both	352	3,162,809	3,835,237	3,019,278
		Not active	353	1,126,303		
	100 lb. Total		705	4,289,112	3,835,237	3,019,278
	1000	Active one or both	252	3,113,822	3,377,009	2,344,631
		Not active	207	1,074,166		
	1000 Total		459	4,187,989	3,377,009	2,344,631
	5000	Active one or both	141	2,870,070	2,809,107	1,603,703
		Not active	62	734,560		
	5000 Total		203	3,604,631	2,809,107	1,603,703
	5 Year	100	Active one or both	333	3,121,417	3,754,433	2,899,827
Not active			215	841,849		
100 LB. Total		548	3,963,266	3,754,433	2,899,827	
1000		Active one or both	241	3,076,071	3,351,971	2,322,817
		Not active	128	807,102		
1000 Total		369	3,883,173	3,351,971	2,322,817	
5000		Active one or both	140	2,859,879	2,790,421	1,588,783
		Not active	48	613,421		
5000 Total		188	3,473,300	2,790,421	1,588,783	
2 Year		100	Active one or both	292	2,561,188	3,514,414	2,709,890
	Not active		107	408,668		
	100 LB. Total		399	2,969,856	3,514,414	2,709,890
	1000	Active one or both	211	2,521,249	3,078,152	2,158,384
		Not active	66	392,365		
	1000 Total		277	2,913,614	3,078,152	2,158,384
	5000	Active one or both	118	2,312,486	2,542,987	1,456,987
Not active		25	296,533			
5000 Total		143	2,609,019	2,542,987	1,456,987	
Grand Total			4,215	36,210,688	33,131,045	23,320,751

Table 126. The impacts of qualification alternatives on allocation pounds for vessels that qualify for limited access according to their recent participation in the fishery using an example of 4 million lb. of TAC

Period	Qualification criteria	2005-2006 active	Number of vessels	Average best year lb. per vessel	Average of ALLO TAC with all	Avg.lb. 2005 fish year	Avg.lb. 20056 fish year
11 years	100	Active both years	255	9,935	9,287	13,615	10,152
		Active 2005 only	63	6,660	6,226	5,768	
		Active 2006 only	34	6,171	5,768		12,664
		Not active	353	3,191	2,983		
		100 LB.Total	705	6,084	5,687	12,060	10,447
	1000	Active both years	185	13,495	12,616	16,474	11,328
		2005 only	49	8,437	7,887	6,721	
		Active 2006 only	18	11,323	10,585		13,826
		Not active	207	5,189	4,851		
		1000 Total	459	9,124	8,529	14,432	11,550
	5000	Active both years	109	21,403	20,008	23,926	14,447
		2005 only	22	15,783	14,754	9,146	
		Active 2006 only	10	18,995	17,757		2,897
		Not active	62	11,848	11,076		
		5000 Total	203	17,757	16,600	21,444	13,476
5 Year	100	Active both years	242	10,376	13,981	14,048	10,229
		2005 only	59	6,806	9,170	6,016	
		Active 2006 only	32	6,524	8,790		13,265
		Not active	215	3,916	5,276		
		100 LB.Total	548	7,232	9,744	12,473	10,583
	1000	Active both years	182	13,618	18,348	16,668	11,396
		2005 only	42	9,399	12,664	7,583	
		Active 2006 only	17	11,930	16,074		14,630
		Not active	128	6,305	8,496		
		1000 Total	369	10,524	14,179	14,964	11,672
	5000	Active both years	108	21,507	28,977	23,974	14,443
		2005 only	22	15,783	21,265	9,146	
		Active 2006 only	10	18,995	25,593		2,897
		Not active	48	12,780	17,219		
		5000 Total	188	18,475	24,892	21,465	13,464
2 Year	100	Active both years	222	9,882	13,314	14,639	10,389
		2005 only	48	5,699	7,679	5,511	
		Active 2006 only	22	4,266	5,748		18,345
		Not active	107	3,819	5,146		
		100 LB.Total	399	7,443	10,029	13,016	11,106
	1000	Active both years	165	13,112	17,667	17,164	11,727
		2005 only	36	7,487	10,087	6,838	
		Active 2006 only	10	8,820	11,884		22,350
		Not active	66	5,945	8,010		
		1000 Total	277	10,518	14,172	15,314	12,334
	5000	Active both years	98	20,574	27,720	24,604	14,787
		2005 only	16	13,665	18,412	8,239	
		Active 2006 only	4	19,406	26,147		1,974
		Not active	25	11,861	15,981		
		5000 Total	143	18,245	24,582	22,307	14,284

Table 127. The impacts of qualification alternatives on revenues for vessels that qualify for limited access according to their recent participation in the fishery using an example of 4 million lb. of TAC

Period	Qual. Criteria	2005-2006 activity	Number of vessels	Scallop revenue per vessel (Best Year)	Scallop revenue per vessel (allocation)	Scallop Revenue per vessel (2005 fy)	Scallop Revenue per vessel (2006 fy)
11 Years	100	Not active	353	24,249	22,669		
		Active both years	255	75,506	70,585	103,811	63,334
		2005 only	63	50,617	47,318	43,217	
		Active 2006 only	34	46,897	43,840		78,651
		100 LB.Total	705	46,237	43,224	91,806	65,136
	1000	Not active	207	39,438	36,868		
		Active both years	185	102,562	95,878	125,117	69,979
		2005 only	49	64,122	59,943	49,427	
		Active 2006 only	18	86,056	80,448		86,784
		1000 Total	459	69,344	64,824	109,267	71,469
	5000	Not active	62	90,043	84,174		
		Active both years	109	162,661	152,060	180,741	88,741
		2005 only	22	119,947	112,130	65,462	
		Active 2006 only	10	144,360	134,952		19,435
		5000 Total	203	134,952	126,156	161,381	82,917
5 Year	100	Not active	215	29,758	40,095		
		Active both years	242	78,861	106,253	106,881	63,587
		2005 only	59	51,727	69,694	44,931	
		Active 2006 only	32	49,580	66,802		82,435
		100 LB.Total	548	54,965	74,057	94,738	65,789
	1000	Not active	128	47,922	64,567		
		Active both years	182	103,498	139,448	126,710	70,431
		2005 only	42	71,432	96,244	55,570	
		Active 2006 only	17	90,668	122,161		91,801
		1000 Total	369	79,979	107,759	113,371	72,257
	5000	Not active	48	97,125	130,861		
		Active both years	108	163,450	220,225	181,080	88,747
		2005 only	22	119,947	161,611	65,462	
		Active 2006 only	10	144,360	194,504		19,435
		5000 Total	188	140,410	189,182	161,514	82,873
2 Year	100	Not active	107	29,027	39,109		
		Active both years	222	75,101	101,188	111,192	64,328
		2005 only	48	43,316	58,362	40,007	
		Active 2006 only	22	32,425	43,687		113,459
		100 LB.Total	399	56,569	76,218	98,537	68,757
	1000	Not active	66	45,181	60,875		
		Active both years	165	99,653	134,268	130,752	72,109
		2005 only	36	56,899	76,662	48,820	
		Active 2006 only	10	67,035	90,319		138,591
		1000 Total	277	79,940	107,708	116,077	75,908
	5000	Not active	25	90,146	121,458		
		Active both years	98	156,360	210,671	186,749	90,478
		2005 only	16	103,857	139,932	57,895	
		Active 2006 only	4	147,486	198,715		12,508
		5000 Total	143	138,661	186,825	168,664	87,421

5.4.7 Economic impacts of the contribution factor alternatives combined with qualification criteria, period and general category TAC

5.4.7.1 Overall impacts on qualifying vessels according to the level of annual scallop landings

There are two alternatives that determine a vessel's contribution factor, best year and best year indexed with options A and B. With the best year alternative high volume participants of the general category fishery would get the larger share (contribution factor). Best year indexed alternatives would take into account historical activity, assign weights to the number of years a vessel was active and multiply a vessel's best year landings by these weights. For example, best year indexed option A was derived using following weights: One year activity=0.9, 2 years activity=0.95, 3 years activity=1.0, 4 years activity=1.05, 5 years activity=1.10. Option B assigns a higher weight to years of activity, 1.25 for five or more years of activity. The advantage of these methods is that although they take into account the years of activity, they make sure that no vessel is allocated more than a specific percentage of its best year landings, 10% in the first case and 25% in the second case.

The alternatives will not impact the number of qualifiers and the total landings and revenues for the general category fishery since these amounts will be determined by general category TAC under all alternatives. They will impact the allocation amounts for different participants, thus will have distributional impacts. These impacts will not be uniform for general category vessels that qualify for limited access fishery; however, and will vary according to the contribution factor, qualification criteria and period alternatives. Because the 'Best year indexed' alternatives with either option A or option B criteria take into account the number of years a vessel was active in the general category fishery, they will increase the share and allocation pounds for those vessels that were active in the fishery for a longer period of time and reduce the share of those that were active in the fishery for a very short period. The number of qualifying vessels by number of years-active and qualification criteria is shown in Table 128. For example, the reduction in the number of qualifiers with only one year of activity from 203 vessels (with the 100 criteria) to 42 vessels (with the 5000 lb. criteria) indicates that most of these vessels landed less than 5000 lb. during the best year of their activity.

Table 128. The number of qualified vessels by years active and qualification criteria

	Years Active	Qualification Criteria		
		100 lb.	1000 lb.	5000 lb.
11 years	1	213	108	34
	2	163	106	51
	3	97	77	43
	4	73	49	26
	5 or more	159	119	49
	Total	705	459	203
5 years	1	203	116	42
	2	136	93	51
	3	94	70	45
	4	56	43	26
	5	59	47	24
	Total	548	369	188
2 years	1	202	126	50
	2	197	151	93
	Total	399	277	143

The distribution of allocations are examined in Table 129 to Table 134 for three qualification criteria, periods and contribution factor alternatives applied to determine the number of qualifiers. The allocations are scaled by assuming a general category TAC of 4 million and 2 million respectively. Table 129 shows that the majority of the qualifiers with 100 lb. criteria will receive less than 5000 lb. of allocation with 11 year period and 4 million TAC since this qualification criterion includes all the vessels with landings of 100 lb. from any one trip. None of the qualifiers will receive 50,000 lb. or more with this option under any of the contribution factor alternatives. There are only minor differences between the average allocations per vessel for each contribution factor criteria. The number of vessels that will receive a specific amount of allocation changes from one alternative to another. For example, with 5000 lb. criteria, 23 vessels would receive an allocation of 30,000 to 39,999 lb. if best year is used as the contribution factor. If instead best-indexed option B (25%) was used, then only 17 vessels will receive the same allocation amount since some vessels in the former group were not active long enough in the general category fishery. The following tables show the distribution of allocations using 5 year and 2 year periods respectively for the three contribution factor alternatives.

Again, the average allocations per vessel change more with the qualification period and criteria than with the contribution factor. As the length of qualification period shortens or the qualification criteria pounds increase, more vessels will receive larger allocation pounds. With 5 year period and 5000 lb. criteria, almost no vessel will receive less than 5000 lb. and 22 vessels will receive more than 40000 lb. with best year criteria, and slightly more, 27 vessels, with best indexed-option B. If the 100 lb. criterion was used, however, for the same qualification period, 178 vessels would receive 2,310 lb. on the average, and 16 vessels would receive more than 40,000 lb. with the best year criteria.

The distribution of allocations could also change with the TAC that will be allocated to the general category fleet. To illustrate the impact of various TAC levels and allocation decisions for the general category fleet (2.5% to 11%), the figures below compare the number of vessels that

would be allocated various amounts of quota under a 2.0 million pounds scenario versus a 4.0 million pound scenario. The same vessels qualify for a permit, but individual allocations vary based on how much quota is available. The impacts of a 2 million lb. TAC on the distribution of allocations are analyzed in Table 132 to Table 134. The results show that average allocation per vessel will not exceed 30,000 lb. if the qualification period was 11 or five years, and more vessels will receive smaller allocations with a lower TAC.

Table 129. Allocations by qualification and allocation criteria assuming a 4 million lb. TAC and 11-year qualification period.

Scallop Pounds per vessel (scaled at TAC = 4 million lb.)	Qualification Criteria	Best year		Best indexed-10%		Best indexed-25%	
		# of vessels	Allocation (lb.) per vessel	# of vessels	Allocation (lb.) per vessel	# of vessels	Allocation (lb.) per vessel
Less than 1000 lb.	100	261	433	261	422	275	428
	1000	4	977	8	942	26	891
1000 lb. to 4999 lb.	100	246	2,257	248	2,259	235	2,317
	1000	255	2,247	251	2,244	235	2,328
	5000					2	4,592
5000 lb. to 9999 lb.	100	73	6,900	76	7,101	76	7,026
	1000	73	6,929	78	7,086	78	7,069
	5000	64	7,445	64	7,381	66	7,424
10,000 lb. to 19,999 lb.	100	64	13,722	59	13,962	59	13,934
	1000	65	13,840	59	13,948	57	13,864
	5000	67	14,391	68	14,253	64	14,272
20,000 lb. to 29,999 lb.	100	28	24,515	28	24,573	24	23,926
	1000	27	24,559	27	24,208	26	23,776
	5000	27	24,605	27	24,861	27	24,531
30,000 lb. to 39,999 lb.	100	17	33,257	18	34,098	21	34,858
	1000	19	33,661	21	34,270	19	34,586
	5000	23	35,101	20	35,465	17	34,981
40,000 lb. to 49,999 lb.	100	16	43,633	15	44,295	15	45,034
	1000	16	44,697	15	45,348	18	45,151
	5000	11	45,283	12	44,598	15	44,925
50,000 lb. or more	100						
	1000						
	5000	11	53,596	12	53,556	12	54,715

Table 130. Allocations by qualification and allocation criteria assuming a 4 million lb. TAC and 5-year qualification period.

Scallop Pounds per vessel (scaled at TAC = 4 million lb.)	Qualification Criteria	Best year		Best indexed-10%		Best indexed-25%	
		# of vessels	Allocation (lb.) per vessel	# of vessels	Allocation (lb.) per vessel	# of vessels	Allocation (lb.) per vessel
Less than 1000 lb.	100	179	462	181	453	181	457
	1000			1	976	1	947
1000 lb. to 4999 lb.	100	180	2,286	178	2,242	178	2,263
	1000	178	2,310	179	2,284	179	2,289
	5000						4,496
5000 lb. to 9999 lb.	100	63	7,122	63	6,990	63	6,966
	1000	63	7,111	61	7,035	61	7,023
	5000	51	7,625	53	7,517	53	7,383
10,000 lb. to 19,999 lb.	100	63	14,340	58	13,690	58	13,990
	1000	63	14,315	60	13,837	60	14,189
	5000	63	14,495	61	14,321	61	14,049
20,000 lb. to 29,999 lb.	100	26	25,388	29	24,179	29	24,859
	1000	26	25,166	28	24,465	28	25,156
	5000	27	24,778	27	24,818	27	24,448
30,000 lb. to 39,999 lb.	100	20	34,773	20	34,761	20	35,234
	1000	21	34,753	20	34,965	20	35,592
	5000	20	34,865	19	34,918	19	34,622
40,000 lb. to 49,999 lb.	100	13	45,782	14	45,123	14	45,334
	1000	12	45,598	15	45,650	15	46,210
	5000	14	44,059	14	44,213	14	44,013
50,000 lb. or more	100	4	50,724	5	51,301	5	52,506
	1000	6	51,309	5	52,338	5	53,520
	5000	13	54,984	14	55,394	14	55,885

Table 131. Allocations by qualification and allocation criteria assuming a 4 million lb. TAC and 2-year qualification period.

Scallop Pounds per vessel (scaled at TAC = 4 million lb.)	Qualification Criteria	Best year		Best indexed-10%		Best indexed-25%	
		# of vessels	Allocation (lb.) per vessel	# of vessels	Allocation (lb.) per vessel	# of vessels	Allocation (lb.) per vessel
Less than 1000 lb.	100	98	507	99	505	104	513
	1000						
1000 lb. to 4999 lb.	100	138	2,335	139	2,348	137	2,388
	1000	114	2,648	116	2,650	119	2,635
	5000						
5000 lb. to 9999 lb.	100	48	7,079	47	7,205	45	7,377
	1000	47	7,153	47	7,342	44	7,455
	5000	21	8,687	22	8,739	22	8,654
10,000 lb. to 19,999 lb.	100	51	15,354	52	15,538	47	15,040
	1000	52	15,545	48	15,466	46	14,996
	5000	41	14,765	42	14,930	43	14,668
20,000 lb. to 29,999 lb.	100	21	23,497	18	23,648	25	24,001
	1000	20	23,637	22	23,398	26	23,882
	5000	36	23,827	33	23,883	31	23,956
30,000 lb. to 39,999 lb.	100	15	34,634	17	34,752	12	35,324
	1000	16	34,984	15	34,763	13	35,546
	5000	10	35,985	11	35,454	11	34,363
40,000 lb. to 49,999 lb.	100	13	45,320	12	46,084	13	45,182
	1000	12	45,876	12	45,215	13	46,017
	5000	12	44,951	9	43,537	11	43,928
50,000 lb. or more	100	15	60,209	15	60,507	16	60,588
	1000	16	60,662	17	60,374	16	61,709
	5000	23	63,267	26	61,952	25	63,002

Table 132. Allocations by qualification and allocation criteria assuming a 2 million lb. TAC and 11-year qualification period.

Scallop Pounds per vessel (scaled at TAC = 2 million lb.)	Qualification Criteria	Best year		Best indexed-10%		Best indexed-25%	
		Number of vessels	Allocation (lb.) per vessel	Number of vessels	Allocation (lb.) per vessel	Number of vessels	Allocation (lb.) per vessel
Less than 1000 lb.	100	385	377	388	375	390	364
	1000	132	703	137	704	138	675
1000 lb. to 4999 lb.	100	195	2,261	197	2,332	196	2,326
	1000	200	2,243	200	2,327	201	2,327
	5000	64	3,722	64	3,691	68	3,670
5000 lb. to 9999 lb.	100	64	6,861	59	6,981	59	6,967
	1000	65	6,920	59	6,974	57	6,932
	5000	67	7,195	68	7,127	64	7,136
10,000 lb. to 19,999 lb.	100	45	13,909	46	14,150	45	14,514
	1000	46	14,159	48	14,305	45	14,170
	5000	50	14,716	47	14,687	44	14,284
20,000 lb. or more	100	16	21,817	15	22,147	15	22,517
	1000	16	22,348	15	22,674	18	22,575
	5000	22	24,720	24	24,539	27	24,638

Table 133. Allocations by qualification and allocation criteria assuming a 2 million lb. TAC and 5-year qualification period.

Scallop Pounds per vessel (scaled at TAC = 2 million lb.)	Qualification Criteria	Best year		Best indexed-10%		Best indexed-25%	
		Number of vessels	Allocation (lb.) per vessel	Number of vessels	Allocation (lb.) per vessel	Number of vessels	Allocation (lb.) per vessel
Less than 1000 lb.	100	269	395	272	391	276	378
	1000	84	724	90	723	97	699
1000 lb. to 4999 lb.	100	153	2,387	150	2,362	150	2,380
	1000	157	2,349	151	2,347	149	2,409
	5000	51	3,812	53	3,759	57	3,666
5000 lb. to 9999 lb.	100	63	7,170	58	6,845	57	6,995
	1000	63	7,157	60	6,918	58	7,094
	5000	63	7,247	61	7,161	56	7,024
10,000 lb. to 19,999 lb.	100	46	14,734	49	14,249	44	14,434
	1000	47	14,725	48	14,420	44	14,713
	5000	47	14,535	46	14,495	45	14,146
20,000 lb. or more	100	17	23,472	19	23,374	21	24,033
	1000	18	23,751	20	23,661	21	24,497
	5000	27	24,660	28	24,902	30	25,370

Table 134. Allocations by qualification and allocation criteria assuming a 2 million lb. TAC and 2-year qualification period.

Scallop Pounds per vessel (scaled at TAC = 2 million lb.)	Qualification Criteria	Best year		Best indexed-10%		Best indexed-25%	
		Number of vessels	Allocation (lb.) per vessel	Number of vessels	Allocation (lb.) per vessel	Number of vessels	Allocation (lb.) per vessel
Less than 1000 lb.	100	160	432	163	437	170	446
	1000	37	828	37	817	45	825
1000 lb. to 4999 lb.	100	124	2,312	122	2,347	116	2,417
	1000	124	2,326	126	2,349	118	2,404
	5000	21	4,344	22	4,369	22	4,327
5000 lb. to 9999 lb.	100	51	7,677	52	7,769	47	7,520
	1000	52	7,772	48	7,733	46	7,498
	5000	41	7,383	42	7,465	43	7,334
10,000 lb. to 19,999 lb.	100	36	14,069	35	14,521	37	13,837
	1000	36	14,340	37	14,003	39	13,885
	5000	46	13,235	44	13,388	42	13,341
20,000 to 29,999 lb	100	19	24,311	18	24,609	20	24,234
	1000	17	24,134	19	24,297	19	24,386
	5000	22	24,626	22	24,703	22	24,464
30,000 lb. or more	100	9	31,580	9	31,927	9	32,634
	1000	11	31,843	10	32,282	10	32,945
	5000	13	35,039	13	35,217	14	35,067

5.4.7.2 Distributional impacts of contribution factor alternatives according to the years of activity in the general category fishery

Although average allocation per qualified vessel changes in a relatively small amount with each contribution factor alternative, the impacts of best year indexed alternatives could be significant for some vessels. These impacts are described in Table 135 for some hypothetical vessels, with activity levels resembling many participants in the general category fleet, using 5 year qualification period for 100 lb. criteria as an example. For example, Vessel A and Vessel B represent some high volume participants in the general category fishery both having landed 48,000 lb. in their best year, followed by vessels C and D with 20000 lb. of landings in their best year. Vessels E, F, G, on the other hand, provide examples for lower volume participants in the general category scallop fishery.

Another way of taking into historical activity would be to assign weights to the number of years a vessel was active rather than to each year and then multiplying a vessel's best year landings by these weights. For example, years-active indexed best year (1) was derived using following weights: One year activity=0.9, 2 years activity=0.95, 3 years activity=1.0, 4 years activity=1.05, 5 years activity=1.10. In other words, this system makes sure that no vessel is allocated more than a specific percentage its best year landings, 10% in the first case and 25% in the second case. If the first set of weights were used, vessel B would receive 5% more than its best year pounds, 53,300 lb., of allocation at a TAC of 4 million lb., more than its best year landings (48,000 lb.), but less than vessel A (55,900 lb.) since it has only 4 four years of activity whereas vessel A has 5 years. If years of activity was placed a larger weight, vessel B would receive

57,800 lb. (12.5% higher than its best year) whereas vessel A would get 64,200 lb. (25% higher than its best year).

With the best year criteria, both vessel A and vessel B would have the same contribution factor, 48,000 lb., corresponding to their best year of landings during the 2000-2004 (up to the control date). Because vessel A was active in each of these 5 years, however, its share will be multiplied by 1.10 according to option A, and with 1.25 according to option B with the best year indexed alternatives. As a result, vessel A's contribution factor will increase to 52,800 lb. for option A and to 60,000 lb for option B. Vessel B's contribution factor stays at 48,000 lb. since it fished only 3 out of 5 years during this period, its share is multiplied by "1". The contribution factors for the other vessels are calculated in the same way.

In the second step, percentage share of the qualifiers are calculated for each alternative using their contribution factor and total scallop pounds for all the qualifiers, which is simply the sum of contribution factors for all qualifiers. These amounts are shown in Table 136 corresponding to each qualification criteria and period. For example, with 5 year period and 100 criteria, the sum of contribution factors equals to 3,925,408 lb. for best year, to 3,875,398 lb. for best indexed option A, and to 3,787,294 lb. for best indexed option B. The percentage share of each vessel in Table 135 is calculated by dividing each vessel's contribution factor with these total pounds corresponding to each alternative. It is clear that the vessels that were active in the fishery for longer periods of time and landed a large amount of scallops will have a bigger share of the general category fishery.

In order to estimate the allocation pounds for each vessel, their percentage share for each of the contribution factor alternatives is multiplied by the general category TAC. Again for illustrative purposes only, TAC is set to 4 million lbs. in Table 135. The numbers in these tables are rounded, thus, represent approximate values. If share of each participant in the general category TAC was calculated according to their best year landings, vessels A and B would have the same allocation, so would vessels C and D, and vessels E and F. Best year indexed alternatives would allocate different amounts to these vessels in each pair because some vessels were active for longer periods of time than others. Because option B with best indexed alternative rewards longer years of activity relatively more than option A, the vessels that were active 4 or 5 years, such as Vessel A, C and E and G will gain more allocation pounds with this option as compared to best year alternative and option A. The gain in pounds is greater, however, for vessels with a large best year scallop landings. For example, vessel A would gain an additional 14,458 lb. (63370 lb.-48912 lb.) allocation with option B and 5,585 lb. with option A compared to its best year pounds. Clearly, these amounts will translate into significant amount of revenue for vessel A, to over \$86,000 for option B, and over \$33,000 for option A even if the price of scallops were as low as \$6.00 per pound. The gain for vessel C would be around 6000 lb. with option B because its best year landings were about 20000 lb., and lower for vessel G (an increase of 300 lb.) with option B. In the same way, having less years of activity reduces the share and allocation of vessels with the best indexed options. For example, vessel D would receive only 15,842 lb. of allocation with option B because it participated in the general category for only one year.

Table 135. Comparisons of vessel allocations with 100 lb. criteria for five year qualification period (2000-04 fishing years) and for a TAC of 4 million lb.

Data	Vessel A	Vessel B	Vessel C	Vessel D	Vessel E	Vessel F	Vessel G
Years active	5	3	5	1	4	2	5
Contribution factors							
Best year scallop lb.	48,000	48,000	20,000	20,000	5,000	5,000	1,000
Best year indexed: Option A (10%)	52,800	48,000	22,000	18,000	5,250	4,750	1,100
Best year indexed: Option B (25%)	60,000	48,000	25,000	15,000	5,625	4,375	1,250
Percentage shares							
Best year	1.223%	1.223%	0.510%	0.510%	0.127%	0.127%	0.025%
Best year indexed: Option A (10%)	1.362%	1.239%	0.568%	0.464%	0.135%	0.123%	0.028%
Best year indexed: Option B (25%)	1.584%	1.267%	0.660%	0.396%	0.149%	0.116%	0.033%
Scaled allocation for 4 million TAC							
Best year	48,912	48,912	20,380	20,380	5,095	5,095	1,019
Best year indexed: Option A (10%)	54,498	49,543	22,707	18,579	5,419	4,903	1,135
Best year indexed: Option B (25%)	63,370	50,696	26,404	15,842	5,941	4,621	1,320

Option A: One year activity=0.9, 2 years activity=0.95, 3 years activity=1.0, 4 years activity=1.05, 5 years activity=1.10.

Option B: One year activity=0.75, 2 years activity=0.875, 3 years activity=1.0, 4 years activity=1.125, 5 years activity=1.25.

Table 136. Total contribution pounds

Qualification Period	Qualification Criteria	Best year	Best year indexed: Option A (10%)	Best year indexed: Option B (25%)
11 Years	100	4,251,254	4,253,968	4,243,203
	1000	4,150,131	4,155,172	4,147,896
	5000	3,566,773	3,576,642	3,576,607
5 Year	100	3,925,408	3,875,398	3,787,294
	1000	3,845,315	3,798,637	3,715,533
	5000	3,435,442	3,403,616	3,342,788
2 Year	100	2,968,789	2,771,826	2,474,782
	1000	2,912,547	2,720,110	2,429,854
	5000	2,607,952	2,439,173	2,184,404

Table 137 to Table 139 provides a detailed analysis for the same hypothetical vessels shown in Table 135 for all 3 qualification criteria (100 lb. 1000 lb., 5000 lb.) and time period. The allocations are scaled by assuming a general category TAC 4 million lb. as an example. A higher (or lower) TAC will increase (decrease) allocations for each vessel proportionately. For example, Table 137 shows that with 11 year qualification period and 1000 lb. criteria, vessel A would be allocated 46,264 lb. with best year criteria, 50828 lb, with the best indexed option A and 57,861 lb. with the best indexed option B. If TAC was set to 2 million lb., its allocation would be exactly half of what it is with 4 million TAC, 23,132 lb. with the best year and 28,931 with the best indexed option B. Both of these amounts would be considerably less than the level during its best year (48,000 lb. scallops). Similarly, a TAC of 8 million will double the allocation pounds shown in these Tables for all vessels.

It is evident from these Tables that with a TAC of 4 million lb., all vessels will receive an allocation exceeding their best year landings, with the exception for 100 lb. criteria with 11 year qualification period. The shorter the qualification period, the larger the allocation pounds with

all qualification criteria because the same TAC will be divided among a smaller number of qualifiers. For the same reasons, a larger qualification criterion will result in increased allocation for all qualifiers. Two year qualification period combined with the 5000 lb. criteria will qualify the smallest number of vessels and will result in maximum allocations per vessel qualified for limited access. On the other hand, these alternatives exclude a large number of vessels from the general category fishery and will have negative economic impacts on these vessels and the communities associated with them (See Section 5.5, Social Impact Assessment).

Table 137. 11 Year and 4 million TAC.

Qualification Criteria	Data	Vessel A	Vessel B	Vessel C	Vessel D	Vessel E	Vessel F	Vessel G
	Years active	5	3	5	1	4	2	5
	Best year scallop lb.	48,000	48,000	20,000	20,000	5,000	5,000	1,000
100 lb.	Best year allocation (scaled)	45,163	45,163	18,818	18,818	4,704	4,704	941
705 vessels	Best indexed option A (scaled)	49,648	45,134	20,687	16,925	4,937	4,466	1,034
	Best indexed option B (scaled)	56,561	45,249	23,567	14,140	5,303	4,124	1,178
1000 lb.	Best year allocation (scaled)	46,264	46,264	19,277	19,277	4,819	4,819	964
459 vessels	Best indexed option A (scaled)	50,828	46,207	21,178	17,328	5,054	4,573	1,059
	Best indexed option B (scaled)	57,861	46,289	24,109	14,465	5,424	4,219	1,205
5000 lb.	Best year allocation (scaled)	53,830	53,830	22,429	22,429	5,607	5,607	0
203 vessels	Best indexed option A (scaled)	59,050	53,682	24,604	20,131	5,871	5,312	0
	Best indexed option B (scaled)	67,103	53,682	27,959	16,776	6,291	4,893	0

Note: All the allocations will be halved if TAC=2 million lb. and will double if TAC= 8 million lb.

Table 138. 5 Year and 4 million TAC.

Qualification Criteria	Data	Vessel A	Vessel B	Vessel C	Vessel D	Vessel E	Vessel F	Vessel G
	Years active	5	3	5	1	4	2	5
	Best year scallop lb.	48,000	48,000	20,000	20,000	5,000	5,000	1,000
100 lb.	Best year allocation (scaled)	48,912	48,912	20,380	20,380	5,095	5,095	1,019
548 vessels	Best indexed option A (scaled)	54,498	49,543	22,707	18,579	5,419	4,903	1,135
	Best indexed option B (scaled)	63,370	50,696	26,404	15,842	5,941	4,621	1,320
1000 lb.	Best year allocation (scaled)	49,931	49,931	20,805	20,805	5,201	5,201	1,040
369 vessels	Best indexed option A (scaled)	55,599	50,544	23,166	18,954	5,528	5,002	1,158
	Best indexed option B (scaled)	64,594	51,675	26,914	16,148	6,056	4,710	1,346
5000 lb.	Best year allocation (scaled)	55,888	55,888	23,287	23,287	5,822	5,822	0
188 vessels	Best indexed option A (scaled)	62,052	56,411	25,855	21,154	6,170	5,582	0
	Best indexed option B (scaled)	71,796	57,437	29,915	17,949	6,731	5,235	0

Note: All the allocations will be halved if TAC=2 million lb. and will double if TAC= 8 million lb.

Table 139. 2 Years and 4 million TAC

Qualification Criteria	Data	Vessel A	Vessel B	Vessel C	Vessel D	Vessel E	Vessel F	Vessel G
	Years active	2	1	2	1	1	2	2
	Best year scallop lb.	48,000	48,000	20,000	20,000	5,000	5,000	1,000
100 lb.	Best year allocation (scaled)	64,673	64,673	26,947	26,947	6,737	6,737	1,347
399 vessels	Best indexed option A (scaled)	65,805	62,342	27,419	25,976	6,494	6,855	1,371
	Best indexed option B (scaled)	67,885	58,187	28,285	24,245	6,061	7,071	1,414
1000 lb.	Best year allocation (scaled)	65,922	65,922	27,467	27,467	6,867	6,867	1,373
277 vessels	Best indexed option A (scaled)	67,056	63,527	27,940	26,470	6,617	6,985	1,397
	Best indexed option B (scaled)	69,140	59,263	28,808	24,693	6,173	7,202	1,440
5000 lb.	Best year allocation (scaled)	73,621	73,621	30,675	30,675	7,669	7,669	1,534
143 vessels	Best indexed option A (scaled)	74,779	70,844	31,158	29,518	7,380	7,790	1,558
	Best indexed option B (scaled)	76,909	65,922	32,045	27,467	6,867	8,011	1,602

Note: All the allocations will be halved if TAC=2 million lb. and will double if TAC= 8 million lb.

5.4.7.3 Capping the contribution pounds: alternatives in determining the share of each individual vessel (Alternative 3.1.2.3.6)

General category scallop landings per vessel is widely distributed according to the fishing effort and pounds landed. Figure 51 shows that scallop pounds landed during the best year by general category vessels ranged from 300 lb. to over 50,000 lb. if all the 550 vessels that landed 100 lb. or more scallops from any one trip are included in the sample. The cumulative distribution of landings also show that the majority (about two thirds) of these 550 vessels, landed less than 5,000 lb., whereas 186 vessels, or one third landed 5000 lb. or more in their best year during 2000-2004 fishing years.

Figure 51. Cumulative distribution of the best year scallop lb. per vessel during 2000-2004 (up to the control date)

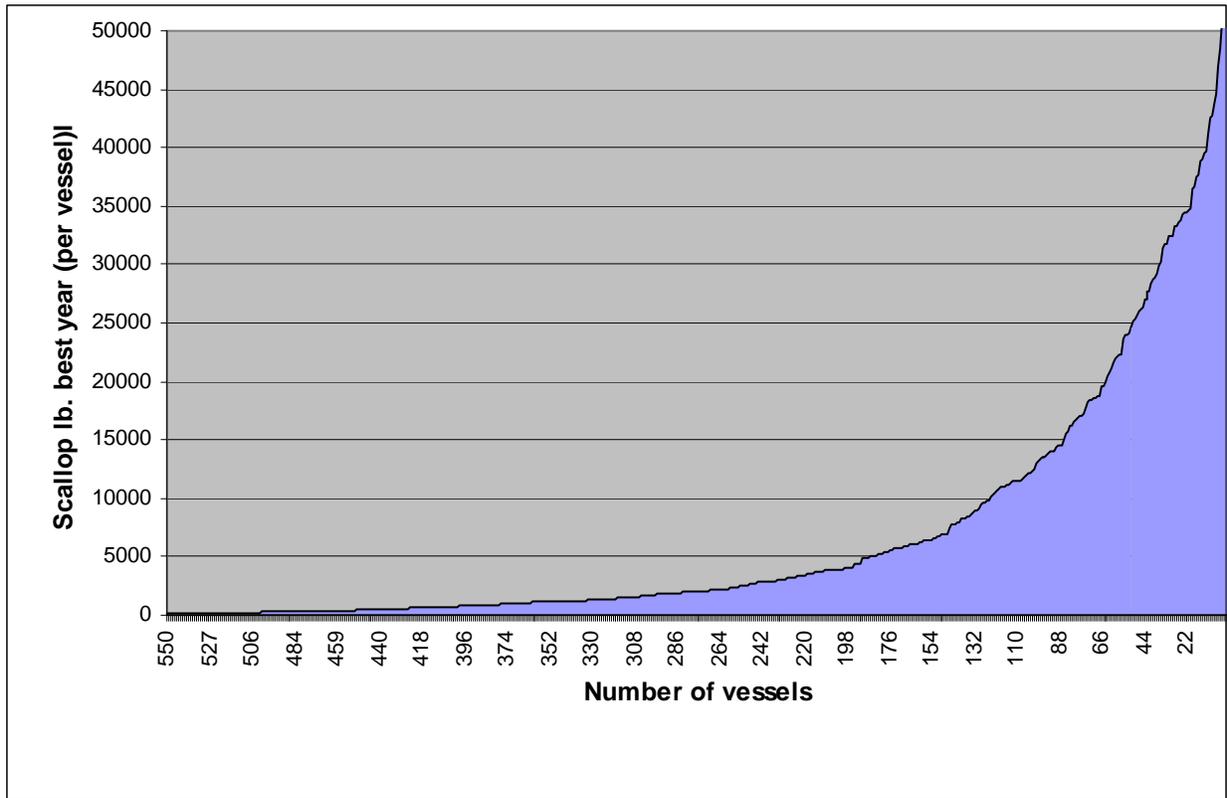


Table 140 shows percentile distribution of pounds landed by individual vessels with the top percentile (90% or more) shown in more detail. For example, the third column shows that 90% of the 550 general category vessels landed less than 22,000 lb., 60% of the vessels less than 3,300 lb. and 40% of the vessels less than 1,200 lb. of scallops in their best year. Column 2, however, shows the number of vessels that landed equal to or more of the amounts shown in column 1 corresponding to each percentile. As an example, column 2 indicates that only 56 vessels landed 22,000 lb. or more in their best year, which corresponds approximately to the 10% of the 550 vessels.

It is evident from Table 140 that only 1% of the vessels, or 6 vessels landed 47,000 lb. or more during their best year. This includes some vessel records much above this level due to scallop landings from some trips far exceeding 400 lb. possession limit. Even though these records are examined by NMFS, in some cases it is not certain if they are due to data entry mistakes or recording pounds in shell weight or arise from recording multiple trip landings on a single date. For this reason, in cases where the cause is not determined or cannot be proven that some trips were not legal (i.e., exceeded the possession limit), it is possible for a vessel to receive a large allocation, whereas for another vessel that have correct records, i.e., scallop pounds reflecting a single trip and corresponding to meat weight not exceeding 400 lb., to get a smaller allocation. In addition, the allocation for the first vessel (with trips exceeding 400 lb.) will be magnified if it had more than one year of activity and years active were taken into account in determining the

final allocations. Putting a cap on a vessel's contribution factor could prevent some of these data problems and could diminish the extent of an outlier vessel's landings affecting the allocations for all other vessels with accurate trip entries. As examined in Section 5.4.5.6, 50,000 lb. allocation would provide sufficient revenue from scallops for the majority of general category vessels to pay for crew, trip expenses, and fixed costs and derive positive profits. Under this alternative it is still possible for a vessel to receive more than 50000 lb. of scallop allocation, however, depending on the level of general category TAC and also the number of years a vessel was active in the fishery.

Table 140. Percentile distribution of best year scallop pounds by 550 general category vessels that landed 100 lb. or more from any one trip during 2000-04.

Scallop landings per vessel (best year (lb))	Number of vessels that landed this amount or more in their best year	Number of vessels that landed less
47,000	6	99%
40,000	11	98%
33,000	28	95%
22,000	56	90%
11,500	111	80%
5,800	166	70%
3,300	221	60%
2,000	275	50%
1,200	330	40%
800	385	30%
500	440	20%
300	495	10%

5.4.8 Allocation of access for general category limited access qualifiers

5.4.8.1 Individual fishing quota for all qualifiers

Under this alternative (3.1.2.4.1) each vessel that qualifies for limited access will be allocated an individual amount in pounds or total number of trips. The economic impacts of individual fishing quota combined with general category TAC is analyzed in Section 5.4.5 to Section 5.4.7 for each qualification criteria, period and qualification amount alternative. This section provides a discussion of the pros and cons of the IQ management in general and as it applies to the general category scallop fishery⁵.

One of the positive aspects of individual fishing quotas (IQ) is the elimination of the race-to-fish that occurs with a TAC management only fishery. Since an individual quota assures that each qualifier can land a given quantity anytime during the fishing season, the vessels will have the flexibility to select the time and the area to fish in order to minimize their costs and/or maximize their revenues. As a result, the vessel profits will increase under individual quota.

⁵ The discussion of the pros and cons of individual quota management in this section follow closely the analyses provided in OECD(1997), Towards Sustainable Fisheries, Economic Aspects of the Management of Living marine Resources", pp.77-83.

The elimination of the derby-style fishing will provide more time to fishermen to handle and process scallops, and select the size of combination that will maximize revenues. As a result, product quality will improve. Safety is also expected to improve as the vessels could wait to land their quota until the weather conditions are better. Since the fishing effort will be spread over a longer period of time, the price of scallops will be more stable throughout the season. This, combined with the availability of a fresh and/or higher quality scallops over a longer season, will benefit consumers as well as producers. Because IQ's provide flexibility to the fishermen about when and where to fish, they will be able to respond better to the resource and market conditions and avoid costly and dangerous fishing's conditions, there will be greater economic stability. This will reduce the risk from investing and provide more incentive to invest in maintenance, better gear and equipment. Individual allocation system, combined with the 400 lb. possession limit, will reduce, however, the need to invest in more capacity, if a vessel's quota more or less matches the amount it traditionally fishes.

The combined impacts of TAC and IQ management may not be positive for all vessels that will qualify for limited access, however. Some vessels could receive allocations lower than desired for a profitable full-time operation depending on the level of general category TAC and the number of qualifiers. As a result, they may not be cover their variable costs and may be induced to leave the fishery (See Section 5.4.5.6 for an analysis of the economic impacts associated with different allocation amounts). Consequently, the actual number participants in the fishery could decline especially if the TAC is set to significantly below the pre-TAC level, and the composition of the general category fleet could change to include relatively more part-time vessels. This in turn, would reduce the employment and crew incomes in the general category fishery. Transferability of the individual quota among the participants would provide more flexibility to the qualifying vessels and would reduce these negative impacts (5.4.8.4).

Option B of the individual allocation option proposes to allocate each qualifying vessels a certain number of trips rather than pounds of scallop (See Table 102). There are some important differences between option A (in pounds) and option B, however. If some vessels land less than 400 lb. of scallops from their trips, total general category scallop landings could be less than the general category TAC, resulting in reduced revenue for the general category fleet. On the other hand, some of these vessels that used to landing scallops at a more incidental level could start fishing for scallops independent of other species to maximize revenue from the number of trips they are allocated. If the number of trips were allocated assuming that scallop landings from each trip will be about 400 lb., total scallop catch by these vessels cannot increase above their share of general category scallop landings. The total fishing effort by these vessels could increase, however, if they take separate trips for the species that they were fishing traditionally. Some other vessels that landed less than 400 lb. of scallops from a trip could start spending more time at sea to increase their trip landings to the possession limit in order to maximize annual landings from their trip allocations. Such changes in fishing behavior would increase trip costs and could also have some safety impacts if the trip is extended, for example, during difficult weather conditions. Another difference between option A (in pounds) and option B is related to the cost of recovery associated with limited access allocations. Although when allocations were done in pounds the vessels may need to pay a fee for cost recovery, the savings in operating costs associated with the allocation in pounds could exceed the amount of recovery fee. For example, if a vessel was allocated 4000 lb., it could land 100 lb. of scallops from a trip as a bycatch when

it is fishing for other species and 400 lb. of scallops from another trip when it is more profitable to target scallops, such as during seasons when scallop prices are higher. Instead of pounds allocating 10 trips to this (at 400 lb. possession limit per trip) would reduce this flexibility and could result in a reduction in total scallop pounds this vessel normally lands because it could not land 400 lb. from each of these 10 trips or an increase in trip costs when the vessel spends more time at sea to maximize its scallop landings even though at times when it is not most optimal to do so or both. Therefore, it is potentially possible that the recovery fee to be below the costs the vessel would incur by trying to maximize its trip landings with a trip allocation. The allocation in trips has an advantage over quota allocation, however, in terms of monitoring and enforcement since with VMS it is easier to determine the number of trips per vessel than to monitor landings per trip.

One problematic side of the IQ management is the initial allocation of individual quotas (in pounds or trips) among the participants, which could be quite time consuming, costly and controversial. The alternatives proposed by Amendment 11 determine the quota shares of participants from their historical landings during a qualification period. In this respect, the accuracy of the historical data for general category landings is an important factor for a fair distribution of the initial allocations. Unfortunately, dealer records for the general category trips are far from perfect, and include trip landing records in pounds exceeding the 400 lb. general category trip limit potentially due to errors in permit numbers (selecting a limited access trip as general category trip), reporting in units other than pounds, recording incorrect species code, sale of multiple trips to the dealer on the same day. For this reason, last year NMFS reviewed the dealer database and corrected some entries. There are other trip records that were not officially corrected in the database, but identified as incorrect and will be taken into account if the individual allocation system is implemented. There are however, still many other entries which are in excess of 400 lb. possession limit (up to 5000 lb. in this final set) that were either not reviewed by NMFS (some of the earlier data for 1994-99) or that the source and nature of error could not be determined. Comparison with the VTR also showed that there were some general category trips with no corresponding record in the dealer database. These data imperfections will probably not affect the number of qualifiers in any significant way. There is no question, however, these inaccuracies will have some impact on the individual quota for each vessel when combined with a general category TAC to distribute the individual shares. For example, if some boats have inflated landings because of shell stocking, this will reduce the shares of all the rest of the vessels. This is because IQ management combined with a TAC is like a zero-sum game, in the sense that everybody's share should add up to '1'. A vessel-owner who thinks the dealer records underestimate vessel's landings could appeal to NMFS for a review of records. But there is not much opportunity for a vessel-owner to determine why his/her share is lower than it should be because another vessel's landings are overestimated due to the data errors. This could pose a serious challenge for NMFS in determining the initial allocations of qualifiers accurately and fairly. Determining the a vessel's contribution from it best year landings and capping the total contribution amount at 50,000 lb. will reduce the impacts of these inaccuracies but will not eliminate them completely. In addition, a prequalification procedure that will set maximum landing from a trip at 400 lb. would reduce the negative impacts of data inaccuracies.

5.4.8.1.1 Impacts of 2000 lb. trip limit

The impacts of this alternative will depend on how the individual quota is allocated. If vessels are allocated individual trips (option B) and if the number of trips were determined from the historical data, then increasing the trip limit from 400 lb. to 2000 lb. will increase the scallop pounds a vessel can land from each trip and on an annual basis. As a result, the landings of a larger vessel with more capacity to take longer trips and access remote areas, will increase, resulting in overall increase in general category landings, possibly exceeding the TAC. If a hard TAC was implemented the fishery will close sooner with negative impacts on smaller boats that cannot land large amounts of scallops. If however, number of trips was reduced in proportion of the pounds landed from each trip, such that a 2000 lb. trip counting as 5 trips, then this alternative will reduce the trip costs for vessels that could land large amounts of scallops. Similarly, if IQ is allocated in pounds and combined with an increase in trip limit to 2000 lb., the number of trips and the fishing costs will decline for these vessels that could land more than 400 lb. per trip. Since producer surplus is the difference of total revenue net of fishing costs, a reduction in fishing costs would increase the producer surplus, hence the total net economic benefits. The proposed alternative would keep general category possession limit at 400 pounds in order to maintain the historical nature of the general category fishery as small boat day fishery. No change in the producer surplus is expected under the proposed action (related to the trip limit) since 400 pounds represents the status quo (no action) possession limit.

5.4.8.2 Individual fishing quota for two permit types (part-time and full-time, Section 3.1.2.4.2).

Another alternative (Section 3.1.2.4.2) proposes to group the qualifiers into two groups, as part-time and full-time vessels. Any vessel that had landings of 5,000 lb. or more scallops in any one fishing year during the qualification period would qualify for the full-time permit with a possession limit of 400 pounds. Those vessels that qualify for limited access according to qualification criteria and period alternatives, but did not have landings of 5000 lb. will receive part-time permit and individual allocation based on their historical activity, but would be restricted to a 200 pound possession limit.

The number of vessels, average scallop landings and trips per vessel during their best year, and average scallop pounds per trip are shown in Table 141. Pounds per vessel show the average of scallop pounds per vessel in each group and allocated amounts could diverge from these values. Since the vessels in the full-time category will receive individual fishing quota, the impacts of this alternative on these vessels will be the same as the individual fishing quota alternative with 5000 lb. criteria. As discussed in Section 5.4.5 above, the economic impacts on the qualifiers are expected to vary with the level of TAC, price of scallops and fishing costs.

The economic impacts of this alternative will be negative, however, for the majority of the part-time vessels compared to the impacts of individual quota alternatives with 400 possession limit. Although Table 141 indicates that the vessels in the part-time category had lower scallop landings per trip compared to the full-time group, average scallop pounds per trip was still larger than 200lb. In fact, a significant proportion of these vessels had average scallop landings per trip exceeding 300 lb. (Table 142). Table 191 (Social Impact Assessment) also showed that the vessels that would qualify for part-time permit landed the majority of their scallops on trips where scallops were in excess of 200 lbs. Therefore, reducing trip limit will either increase the

number of trips and the trip costs for these vessels, or it will reduce the incentive for taking scallop trips due to the reduced profitability with 200 lb. of possession limit. The vessels with average trip landings of 200 lb. or less of scallops, however, will not be affected from the reduced possession limit.

The economic impacts of reducing the possession limit is examined in Table 143 using a scenario analysis with scallop prices ranging from \$6.00 to \$7.60 and trips costs from \$350 to \$500 per day-at-sea. The results show that even if a vessel doubles its trips to land the same amount of scallops with 200 lb. limit, the net revenue could still decline due to the increase in trip costs. In addition, not all vessels could increase the number of trips they take due to constraints on the vessel size, weather conditions or fishing activity in other fisheries. As a result, these vessels could incur larger losses than shown in Table 143.

Table 141. Qualifying vessels by tier category and best year landings, trips and average pounds per trip.

Period	Qualification Criteria	TIERS	Number of vessels	Scallop landings per vessel (lb., best year)	Average scallop trips per vessel	Average scallop landings per trip (lb.)
11 Years	100 lb.	Full-time	203	17,757	54	353
		Part-time	502	1,364	8	253
	100 lb. Total		705	6,084	21	282
	1000 lb.	Full-time	203	17,757	54	353
		Part-time	256	2,279	13	315
	1000 lb. Total		459	9,124	31	332
5000 lb.	Full-time	203	17,757	54	353	
	5000 lb. Total		203	17,757	54	353
5 Year	100 lb.	Full-time	188	18,475	55	355
		Part-time	360	1,361	7	238
	100 lb. Total		548	7,232	24	278
	1000 lb.	Full-time	188	18,475	55	355
		Part-time	181	2,264	11	286
	1000 lb. Total		369	10,524	34	321
5000 lb.	Full-time	188	18,475	55	355	
	5000 lb. Total		188	18,475	55	355
2 Year	100 lb.	Full-time	143	18,245	55	346
		Part-time	256	1,410	7	237
	100 lb. Total		399	7,443	24	276
	1000 lb.	Full-time	143	18,245	55	346
		Part-time	134	2,273	11	270
	1000 lb. Total		277	10,518	34	309
5000 lb.	Full-time	143	18,245	55	346	
	5000 lb. Total		143	18,245	55	346

Table 142. Part-time vessels by average scallop pounds per trip (Best year)

Period	Qualification Criteria	Average scallop lb. per trip	Number of vessels	Scallop landings per vessel (lb., best year)	Average scallop trips per vessel	Average scallop landings per trip (lb.)
11 Years	100 lb.	>= 200lb.	246	1,692	6	399
		< 200lb.	256	1,048	11	113
	100 lb. Total		502	1,364	8	253
	1000 lb.	>= 200lb.	159	2,331	8	434
< 200lb.		97	2,193	22	119	
1000 lb. Total		256	2,279	13	315	
5 Year	100 lb.	>= 200lb.	195	1,684	6	340
		< 200lb.	165	979	9	117
	100 lb. Total		360	1,361	7	238
	1000 lb.	>= 200lb.	129	2,274	8	349
< 200lb.		52	2,240	20	130	
1000 lb. Total		182	2,264	11	286	
2 Year	100 lb.	>= 200lb.	154	1,640	6	313
		< 200lb.	102	1,061	9	123
	100 lb. Total		256	1,410	7	237
	1000 lb.	>= 200lb.	102	2,195	8	310
< 200lb.		32	2,522	20	143	
1000 lb. Total		134	2,273	11	270	

Table 143. Impacts of possession limit on net revenue from scallops.

Data	Scallop Price per lb.			
	\$6.00	\$7.60	\$6.00	\$7.60
Scenario 1: Possession limit=400 lb. Number of trips = 10				
Trip costs per DAS (\$)	350	350	500	500
Trip revenue from scallops (\$)	2400	3040	2400	3040
Net scallop revenue from trip (\$)	2050	2690	1900	2540
Net scallop revenue from all trips (\$)	20500	26900	19000	25400
Scenario 2: Possession limit=200 lb. Number of trips = 20				
Trip costs per DAS	350	350	500	500
Trip revenue from scallops	1200	1520	1200	1520
Net scallop revenue from trip	850	1170	700	1020
Net scallop revenue from all trips	17000	23400	14000	20400
Change in net scallop revenue	-3500	-3500	-5000	-5000
% Change in net scallop revenue	-17%	-13%	-26%	-20%

5.4.8.3 Individual fishing quota – equal allocation for three tiered permits (Section 3.1.2.4.3).

This alternative proposes a three tiered permit system based on annual landings from the qualification time period as follows:

- Tier 1:** 20,000 pounds;
- Tier 2:** 5,000 – 19,999 pounds;
- Tier 3:** 100 – 4,999 pounds

In order to qualify for a certain tier a vessel would have to show landings within that tier for one year only during the qualification time period. One of the major differences of this alternative from others is that all vessels that qualify for each tier would receive an equal allocation in pounds or in total number of trips. The possession limit will stay at 400 pounds of scallops.

Table 144 summarizes the number of vessels, average pounds (best year) per vessel for each qualification period and criteria. The 100 pound trip alternative would qualify about twice as many Tier 3 vessels as compared to the 1,000 annual pound alternative, while the number of vessel qualify for tiers 1 and 2 will not change with the qualification criteria. The 2 year period alternative will result in only 44 vessels qualifying for the top tier, and 99 vessels qualifying for the second tier. The impacts of this alternative combined with the qualification criteria and period could be analyzed by comparing the scaled allocations per vessel. Table 144 shows allocation pounds (option A) and trips (option B) per vessel assuming a 4 million lb. TAC as an example. Estimated scallop pounds allocated per vessel for tier 3 would be half for the 100 pound trip alternative compared to the 1,000 pound alternative (1,387 versus 2,356 pounds with 5 year criteria) because twice as many vessels would qualify with 100 lb. criteria. These amounts are close to the average landings per vessel from best year, slightly lower for 11 year period, and slightly higher for the 5 year and 2 year periods. Allocations per Tier 2 and Tier 1 vessel do not change significantly with 100 lb. or 1000 lb criteria for 5 year and 11 year periods. Because 5000 lb. criteria qualify the least number of vessels and no vessels will qualify for Tier 3, allocations for the top tier vessels will increase significantly. For example, for 2 year period, the top tier vessels would receive 52,815 lb. and tier 2 vessels 16,930 lb. per vessel even though their average scallop landings from best year did not exceed 34,459 lb. and 11,038 lb. respectively. A larger (smaller) TAC would increase (decrease) the allocations beyond the levels shown in Table 144. For example, allocations per vessels would be half (double) of the amounts shown in this Table if TAC was 2 million lb. (8 million lb.). The comparative impacts of the qualification criteria and period alternatives for each tier will not change, however.

If instead of allocating equal pounds, an equal number of trips were allocated to each vessel within a tier, the economic impacts would be the same for vessels that normally land 400 lb. of scallops from each trip. On the other hand, the economic impacts for vessels that land scallops as a bycatch from some trips, or usually land less than 400 lb. of scallops per trip could be negative since they will receive less trips than they took previously to land the same amount of scallops.

The economic impacts of this alternative on vessels in terms of scallop revenue and costs will be similar to the impacts examined in Section 5.4.5 above. A limitation of a tiered allocation system, however, is the uneven distribution of pounds gained or reduced by the vessels within a group from their best year landings. For example in Table 144 , a vessel that landed 20,000 lb. would be placed in the same group as a vessel that landed 50,000 lb. If every vessel in this group received approximately 30,000 lb., a vessel that landed 20,000 lb. would receive 10,000 lb. more, or 50% more pounds than its best year landings. On the other hand, a vessel that landed 50,000 lb. would get 20,000 lb. less, or 40% less than its best year landings. The percentage increase or reduction from the best year level is different for Tier 2. For example, for the 5 year criteria, if 126 vessels that are placed in this group were allocated the group average of 10,000 lb., a vessel that landed 5,000 lb. would get double (100% more), whereas a vessel landed close to 20,000 lb. would receive 50% less of its best year landings. Such as system would maximize economic

losses for some vessels and maximize gains for others. One advantage of this system would be to reduce the inequities in allocations due to data errors, however. The dealer data for general category scallop landings include many errors some of which could be impossible to correct especially for the earlier years of the qualification periods. Under individual allocation, it could be possible for a vessel to receive a large share of general category TAC due to inaccurate record of trip landings in excess of 400 lb. possession limit, thus reduce the share for other vessels that have correct records. With this alternative, those inaccuracies will affect average pounds per vessel and distribute the impacts among the vessels in each tier. Therefore, allocating equal pounds (or trips) to each vessel in each tier could diminish the extent of an outlier vessel's landings affecting the allocations for all other vessels with accurate trip entries.

Table 144. Allocation for vessels with a three tiered permit system (Based on best-year of landing)

Period	Qualification Criteria	TIERS	Number of vessels	Scallop lb. per vessel (Best year)	Scaled allocation per vessel (Option A) (TAC: 4 million lb.)	Number of trips per vessel (Option B) (TAC: 4 million lb.)	% share of general category TAC	
11 Years	100 lb.	TIER 1: >=20000	62	34,377	32,059	80	50%	
		TIER 2: 5K-19.9K	141	10,448	9,743	24	34%	
		TIER 3: < 5000 lb.	502	1,364	1,272	3	16%	
	100 lb. Total			705	6,084	5,674	14	100%
	1000 lb.	TIER 1: >=20000	62	34,377	32,834	82	51%	
		TIER 2: 5K-19.9K	141	10,448	9,979	25	35%	
TIER 3: < 5000 lb.		256	2,279	2,177	5	14%		
1000 lb. Total			459	9,124	8,715	22	100%	
5000 lb.	TIER 1: >=20000	62	34,377	38,147	95	59%		
	TIER 2: 5K-19.9K	141	10,448	11,594	29	41%		
	5000 lb. Total			203	17,757	19,704	49	100%
5 Years	100 lb.	TIER 1: >=20000	62	34,377	34,697	87	54%	
		TIER 2: 5K-19.9K	126	10,650	10,749	27	34%	
		TIER 3: < 5000 lb.	360	1,361	1,374	3	12%	
	100 lb. Total			548	7,232	7,299	18	100%
	1000 lb.	TIER 1: >=20000	62	34,377	35,410	89	55%	
		TIER 2: 5K-19.9K	126	10,650	10,970	27	35%	
TIER 3: < 5000 lb.		181	2,264	2,332	6	11%		
1000 lb. Total			369	10,524	10,840	27	100%	
5000 lb.	TIER 1: >=20000	62	34,377	39,590	99	61%		
	TIER 2: 5K-19.9K	126	10,650	12,265	31	39%		
	5000 lb. Total			188	18,475	21,276	53	100%
2 Years	100 lb.	TIER 1: >=20000	44	34,459	46,413	116	51%	
		TIER 2: 5K-19.9K	99	11,038	14,867	37	37%	
		TIER 3: < 5000 lb.	256	1,410	1,899	5	12%	
	100 lb. Total			399	7,443	10,025	25	100%
	1000 lb.	TIER 1: >=20000	44	34,459	47,310	118	52%	
		TIER 2: 5K-19.9K	99	11,038	15,154	38	38%	
TIER 3: < 5000 lb.		134	2,273	3,121	8	10%		
1000 lb. Total			277	10,518	14,440	36	100%	
5000 lb.	TIER 1: >=20000	44	34,459	52,830	132	58%		
	TIER 2: 5K-19.9K	99	11,038	16,923	42	42%		
	5000 lb. Total			143	18,245	27,972	70	100%

* Number of trips=Allocation per vessel/400 lb.

5.4.8.4 Stand alone individual transferable fishing quota alternative (3.1.2.4.4)

According to this alternative all vessels that had a permit before the control date would be given a permit, not just vessels that had landings. Each vessel would be allocated their share in historical landings for the 5 year period, however. Therefore, a permit that did not have landings history would not be allocated specific access to the fishery, but would be permitted to lease or buy quota from another vessel (individual transferable fishing quota system). There were 3562 unique vessels that obtained general category permits during 5 year period, but only 677 of these

vessels landed scallops of one pound or more, thus will receive an allocation. This alternative will also have positive impacts on the limited access qualifiers that do not receive an initial allocation because they haven't been active in the general category fishery during the 5-year qualification time period. These fishermen will not have to buy a new vessel with limited access permit to enter the fishery. Instead, they could buy or lease quota from others and fish for scallops with the vessel they already have. Therefore, this alternative will reduce the cost of entry to general category fishery for many vessels that had general category permits during the 5-year qualification period. The economic impacts of this alternative on active general category vessels were analyzed in Section 5.4.5, Table 99 to Table 108.

This alternative will qualify more vessels for limited access compared to the alternatives which require a certain amount of scallop landings for qualification. According to the estimates, 677 general category vessels landed some amount of scallops since the 2000 fishing year up to the control date and will qualify for an allocation (Table 145). The impacts of this alternative on allocations are compared with 100 lb., 1000 lb. and 5000 lb. qualification criteria in Table 145. Allocation per vessel will decline only marginally for 100 lb. and 1000 lb. criteria if all 677 vessels were included in limited access assuming a 4 million lb. TAC. Compared to 5000 lb. alternative, however, the impacts individual allocations could be higher. For example, if all of the 677 vessels received allocation, those 188 vessels that qualify with the 5000 lb. criteria would receive on the average, 21,276 lb. of scallops (some more some less depending on the individual share). If, however, a 4 million lb. TAC was distributed among 677 qualifiers (last column of Table 145) the average allocation for the 188 vessels will decline to 18,585 lb. But the impacts on the 489 vessels will be positive since they will receive 1035 lb. of individual allocation as an average (again some vessels will receive more than this some less than this amount depending on the individual shares). Many of these vessels that receive a small quota of scallops may opt to sell their share to other general category vessels that target scallops on a full-time basis. As a result, this alternative will distribute the gains from limited access among more vessels, while reducing the potential share of participants that would have qualified under other individual quota alternatives (100 lb., 1000lb. or 5000 lb. criteria).

Table 145. Impacts of stand-alone alternative on number of qualifiers and individual allocation

Qualification Criteria	Qualify	Number of vessels	Scallop landings (Total lb., best year)	Scallop allocation per vessel (lb., best year)	Scallop landings per vessel if all 677 qualify (lb., best year)
100 lb.	NO	129	12,397	-	97
	YES	548	3,963,266	7,299	7,275
100 lb. Total		677	3,975,663	5,908	5,908
1000 lb.	NO	308	93,091	-	304
	YES	369	3,883,173	10,840	10,586
1000 lb. Total		677	3,976,264	5,908	5,908
5000 lb.	NO	489	502,964	-	1,035
	YES	188	3,473,300	21,276	18,585
5000 lb. Total		677	3,976,264	5,908	5,908

The caps on the percent of quota that could be owned per vessel will prevent a few general category vessels dominating the fishery and will again help to redistribute gains from the limited

access more equitably (1% to 5% of the quota). If the scallop prices and the level of general category TAC are too low, however, some vessels may not be able to generate enough revenue from scallop fishing alone to pay for trip expenses, fixed costs and the crew, or to carry scallop fishing as a full-time operation. This alternative provides opportunity for vessels to buy quota from other vessels in order to land scallops in amounts necessary for economic viability. The analyses in Section 5.4.5.6 (Table 113 to Table 118) can help to evaluate possible impacts of a general category TAC and percent quota combinations on the economic viability for these vessels. For example, according to the estimates provided in Table 114 a small general category vessel that has no income from species other than scallops could cover its costs, have income for crew and vessel owner if it receives an allocation of 20,000 lb., which is 1% of a 2 million TAC, even if the scallop price were \$6.00 per lb. However, for a larger vessel with higher fishing costs, 20,000 lb. might be just sufficient to cover for these expenses without providing much return for the vessel owner after fixed costs are deducted even at a higher price (Table 115). The vessels that also participate on other fisheries, a smaller allocation could be sufficient to pay for expenses, the crew and derive some profits from scallop fishing. In general, maximum quota shares should be set at levels in order to provide flexibility to vessels to adjust their operations according to the level of TAC, scallop resource conditions, prices and costs.

5.4.8.5 Stand alone alternative - Quarterly hard TAC with limited entry (3.1.2.4.5)

This alternative is another version of quarterly hard TAC with limited entry (3.1.2.4.7) with a grouping of vessels similar to alternative 3.1.2.4.2 with two permit types using 11 year qualification period. Therefore, the analyses for these alternatives are also relevant for this alternative as discussed below.

Like the fleetwide quarterly hard TAC alternative, this alternative combine limited access with a quarterly hard TAC and instead of allocating individual quota (or trips), provides equal access to all qualifiers. It would include a limited entry program for vessels with a general category permit before the control date and some level of landings during the 11 year qualification period. Similar to the two permit type alternative (3.1.2.4.2), however, this alternative would group vessels into two categories. A vessel would qualify for a 200 pound permit if they landed 100-5,000 pounds in any fishing year from March 1, 1994 – November 1, 2004. This group is similar to the part-time permit group in alternative 3.1.2.4.2., except that more vessels (557 vessels instead 502 vessels) are included since any vessel that landed more than 100 lb. would be qualified regardless of trip landing (Table 141, Table 146). A vessel would qualify for a 400 pound permit if they landed over 5,000 pounds in any one fishing year from 1994-2004. Similar to the full-time group in alternative 3.1.2.4.2, 203 vessels would qualify for this group (Table 141, Table 146). Table 146 shows the number of vessels, scallop landings and trips by these groups. Overall, 760 vessels would qualify for limited access under this alternative, more than that would qualify under the least restrictive 100 lb. qualification criteria with other alternatives (705 vessels).

Table 146. Qualifying vessels by trip limit group

Trip limit	Number of vessels	Total scallop lb. (best year)	Percentage of total scallop lb. (best year)	Average scallop lb. per vessel (best year)	Total scallop trips	Scallop Pounds per trip
200 lb.	557	707,734	16.41%	1,271	4,807	147
>5000	203	3,604,631	83.59%	17,757	10,930	330
Grand Total	760	4,312,365	100.00%	5,674	15,737	274

Vessels in either category could possess up to 200 or 400 pounds per trip respectively (depending on the category they qualify for) and fish under a quarterly hard TAC. Unlike the alternative for two permit types and individual quota alternatives, all vessels would have equal opportunity to fish and no individual or tiered allocation would be awarded under this alternative. Once the TAC is reached in a given quarter all vessels can only possess up to 40 pounds of scallops per trip.

The impacts of this alternative will be similar to a certain extent to the impacts of the hard TAC alternative with quarterly TAC corresponding to the 11 year qualification period. In general, as discussed in Section 5.4.8.6, TAC management, without allocation of quota or trips to individual vessels, could lead to derby fishing and result in market gluts with negative impacts on prices and revenues (see Section 5.4.8.6 for further discussion). Hard TAC by quarter combined with a lower trip limit (200 lb.) for the majority of qualifiers (557 vessels out of 760 vessels) under this alternative will spread out the fishing season and reduce negative impacts from derby fishing (compared to fleetwide or quarterly hard TAC). Table 148 describes the seasonal distribution of scallop landings by general category vessels from 2001 through 2006. The average for the years combined is roughly 25% for Quarter 1, 44% for Quarter 2, 19% for Quarter 3 and 12% for Quarter 4. Similar percentages could be considered for the quarterly hard TACs under this alternative.

As with the alternative for two permit types, the economic impacts of this alternative could be negative, however, for the majority of the vessels that will be restricted to 200 lb. possession limit, compared to the fleetwide quarterly TAC alternative. Although Table 146 indicates that the vessels in this category had lower scallop landings per trip compared to the 400 lb. group, for many vessels in this group, average scallop pounds per trip was still larger than 200lb. In fact, a significant proportion of these vessels had average scallop landings per trip exceeding 300 lb. (Table 142). Table 191 (Social Impact Assessment) also showed that the vessels that would qualify 200 lb. permit landed the majority of their scallops on trips where scallops were in excess of 200 lbs. Therefore, reducing trip limit will either increase the number of trips and the trip costs for these vessels, or it will reduce the incentive for taking scallop trips due to the reduced profitability with 200 lb. of possession limit. The vessels with average trip landings of 200 lb. or less of scallops, however, will not be affected from the reduced possession limit. The economic impacts of reducing the possession limit were examined in Table 143 using a scenario analysis with scallop prices ranging from \$6.00 to \$7.60 and trips costs from \$350 to \$500 per day-at-sea. The results showed that even if a vessel doubles its trips to land the same amount of scallops with 200 lb. limit, the net revenue could still decline due to the increase in trip costs. In addition, not all vessels could increase the number of trips they take due to constraints on the vessel size, weather conditions or fishing activity in other fisheries. On the other hand, this alternative would

have positive impacts on many vessels in this group, which could be altogether excluded from limited access with other alternatives, such as with 5000 lb. criteria.

5.4.8.6 Fleet wide hard-TAC under limited entry (3.1.2.4.6, 3.1.2.4.7)

These alternatives combine limited access with a hard TAC and instead of allocating individual quota (or trips), they provide equal access to all qualifiers. Alternative 3.1.2.4.6 will set an annual hard TAC, whereas alternative 3.1.2.4.7 will spread out the TAC into either quarters (option A) or trimesters (option B). When the Regional Administrator projects that TAC is going to be reached, the fishery would close. Only those vessels that qualify for a general category permit will be able to participate in the scallop fishery before it closes and fish for scallops up to 400 pounds per trip. The number of vessels qualifying for limited access will be the same as shown in Table 80 in Section 5.4.3 corresponding to each qualification criteria and period alternative.

The economic impacts of hard TAC alternatives will be quite different from the individual allocation or tiered allocation alternatives since every qualifier will have equal access to the resource. If the TAC were set above the initial capacity of the fleet (comprised of the qualifying vessels), the change in the length of the fishing season may not be significant. Usually, however, TAC's are set below this level which, in turn, causes changes in the fishing season and intensifies competition among the fishermen. The fishing season will shorten as the difference between the pre-TAC landings and the TAC increase creating a race to fish among vessels before the fishery is closed. This will have negative impacts especially on smaller vessels that fish seasonally and in more favorable weather, or cannot access all areas due to the constraints on their capacity. As a result, some vessels may leave the general category scallop fishery or others may not participate as much as before due to the shorter season with TAC implementation. For some other vessels, shorter season could have some negative implications on safety if they rush to fish in unsafe weather conditions. TAC management could also have some negative impacts on the scallop resource if the vessels try to maximize their catch in a short-time without giving too much attention to the individual size of scallops they land. Given that general category fishery constitute a small proportion of the sea scallop fishery, these impacts may not be significant in terms of the overall scallop resource, but could be significant for some local areas.

On the other hand, those vessels with a higher fishing power could benefit from TAC implementation if some vessels leave the fishery and if the prices increase with the initial reduction in total effort due to the TAC and shorter season. Increase in profit margins for the remaining participants could lead, however, to increased investment in fishing power and overcapacity. For example, a higher horsepower could reduce the time steaming to fishing grounds, increase the fishing time per trip and could make it easier for a vessel to access areas further from the port. This increased investment in the fishing power will increase the costs and lower the profits for the participants over the long-term⁶. On the other hand, 400 lb. trip limit could reduce the incentive to invest in capacity to some extent since there will be no gains from a longer trip made possible, for example, investing in a larger vessel.

⁶ According to an OECD study (1997), the evidence from fisheries with TAC management indicated reduced profitability and increased costs and capital stuffing in many OECD countries. See "Towards Sustainable Fisheries, Economic Aspects of the Management of Living marine Resources", pp.72-77.

If the race to fish and investment in fishing capacity continues, the fishing season could become shorter and shorter⁷. This could have negative impacts on scallop prices since more will be caught in a shorter time and the markets will become glutted. On the other hand, because landings will be concentrated at the beginning of the fishing season, the uneven supply of scallops could result in an increase scallop prices after the fishery close, and could lower the benefits for the consumers. The extent of these impacts will depend, however, on the overall scallop landings since the scallop fishery will remain open to the limited access vessels which land the main bulk of scallops for the market. In short, TAC management is expected, in general, to create volatility in prices and to worsen the product quality due to uneven distribution of supply throughout the year. Depending on the proportion of the market supplied by general category fishery, which in turn will be determined by the hard TAC, these impacts could be slight during some seasons, but significant during others.

Fleet-wide hard TAC by trimester (3.1.2.4.7, Option B) or by quarter (3.1.2.4.7, Option A) will spread out the fishing season and reduce negative impacts from derby fishing and market gluts to some extent. Scallop landings, prices and percentage distribution of landings by quarter and by trimester are shown in Table 147 to Table 152 for fishing years 2004 to 2006 for all vessels with general category permit. As expected, fishing activity by the general category vessels were concentrated in the second quarter, from June to August during the 2001-2006 fishing years, whereas the least activity occurred in the winter months (fourth quarter), from December to the end of February. An annual TAC could push the main season for general category fishing to the earlier months, to March to June, Trimester 1 or quarter 1. This could lower the scallop prices and reduce the revenue for the participants. Hard TAC by quarter or trimester is expected to reduce these negative impacts to the extent these levels are not too different that the level of landings that would take place without the imposition of TAC.

⁷ According to the same OECD study, shortened fishing seasons were reported for 23 fisheries and spreading out the seasons over the year had limited effectiveness in reducing excess capacity.

Table 147. Scallop landings (lb.) by quarter

FISHYEAR	Q1.Mar-May	Q2.June-Aug.	Q3.Sept.Nov.	Q4.Dec. to Feb.
2001	409,550	1,047,006	279,893	288,844
2002	397,968	428,714	173,043	123,934
2003	499,446	767,034	390,460	110,720
2004	567,693	1,464,334	773,519	446,398
2005	1,219,608	3,086,640	1,816,375	916,279
2006	2,050,699	2,617,240	651,516	1,202*

*ec.2006 only.

Table 148. Percentage distribution of landings by quarter

FISHYEAR	Q1.Mar-May	Q2.June-Aug.	Q3.Sept.Nov.	Q4.Dec. to Feb.
2001	20%	52%	14%	14%
2002	35%	38%	15%	11%
2003	28%	43%	22%	6%
2004	17%	45%	24%	14%
2005	17%	44%	26%	13%
2006	34%	43%	11%	13%*
All years	25%	44%	19%	12%

*Estimated using dealer data for March 2006- Dec.2006.

Table 149. Scallop prices by quarter (nominal)

FISHYEAR	Q1.Mar-May	Q2.June-Aug.	Q3.Sept.Nov.	Q4.Dec. to Feb.
2001	4.31	3.90	3.62	4.22
2002	4.29	4.29	4.93	5.53
2003	4.75	4.29	4.73	5.58
2004	4.88	4.80	5.66	6.36
2005	6.82	7.32	8.67	7.86
2006	6.52	5.81	5.63	6.65*

* Dec.2006 only.

Table 150. Scallop landings (lb.) by trimester

FISHYEAR	T1. Mar-Jun	T2.Jul-Oct.	T3.Nov to Feb
2001	947,808	748,903	328,582
2002	562,343	402,654	158,662
2003	714,052	857,407	196,201
2004	1,025,306	1,589,452	637,186
2005	2,104,490	3,588,256	1,346,156
2006	3,111,914	2,201,209	7,534*

*Up to Dec.2006.

Table 151. Percentage distribution of landings by trimester

FISHYEAR	T1. Mar-Jun	T2.Jul-Oct.	T3.Nov to Feb
2001	46.8%	37.0%	16.2%
2002	50.0%	35.8%	14.1%
2003	40.4%	48.5%	11.1%
2004	31.5%	48.9%	19.6%
2005	29.9%	51.0%	19.1%
2006	48.0%	33.9%	18.1%*
All years	41.1%	42.5%	16.4%

*Estimated using dealer data for March 2006 - Dec.2006.

Table 152. Scallop prices by trimester (nominal)

FISHYEAR	T1. Mar-Jun	T2.Jul-Oct.	T3.Nov to Feb
2001	4.19	3.68	4.11
2002	4.23	4.54	5.54
2003	4.54	4.53	5.12
2004	4.80	5.13	6.19
2005	6.80	7.98	8.09
2006	6.35	5.65	5.95

5.4.9 Impacts of limited entry permit provisions (3.1.2.5)

This amendment will consider measures to govern activities such as vessel sales, limited access permit transfers, permit splitting, changes to vessel size, and establishment of vessel baselines to evaluate changes to vessel size, etc. These measures would apply to all general category permits that qualify for limited access if limited access is adopted under Amendment 11.

Fishing History and Permit Transfers (3.1.2.5.1) are intended set the rules for determining eligibility for limited access and for appeals for all vessels to follow in case of denial of permit (based on the consistency amendment). In addition to third party verification, such as dealer receipts, VTR records could be incorporated to identify errors during the appeal process. A pre-qualification process that would cap scallop landings per trip at 400 lb. would reduce the negative economic impacts on vessels due to inaccurate entries for others in excess of 400 lb. due to data errors. If landings from a trip record were in excess of 400 lb. because several trips were reported as one in the dealer data, a vessel can appeal for a higher allocation subject to verification from VTR. These measures will indirectly benefit all participants by ensuring that only those vessels that provide verification of permit and landings history will qualify and receive allocation based on accurate records.

The qualification and retention of permits specified in the sale of vessels (3.1.2.5.1.2) would have positive economic impacts on participants that sold their vessel to another but retained the fishing history. If the buyer qualifies for limited access as well based on its own landings and subject to the determination by Regional Administrator, then the number of qualifiers will increase. If limited entry were combined with TAC management, this would reduce the percentage share of each qualifier in the general category fishery and to some extent their revenues from scallops depending on the number of additional vessels that would qualify for limited access with this provision.

The alternatives related to vessel upgrade restrictions, which allow a vessel to increase its fishing power either without restriction or subject to a 10:10:20 upgrade of length, gross tonnage and horsepower, will provide vessels the flexibility to adjust their fishing power to changing circumstances, with conceivably positive economic impacts on these vessels. For example, increasing horsepower could help a small vessel to reduce its trip length and thus minimize its trip costs. It could also increase a smaller vessel's capability to access areas further from the port. As long as Amendment 11 action limits the total harvest of limited entry qualifiers, these alternatives are unlikely to result in overfishing of the resource. The individual allocation system, combined with the 400 lb. possession limit, will also reduce the need to upgrade and invest in more capacity if a vessel's quota does not significantly exceed the amount it traditionally fishes. On the other hand, TAC management without allocation to individual vessels could increase the incentives for upgrading since the vessels with a higher fishing power would have an advantage over smaller vessels and could maximize their landings before the fishery is closed. As a result, the nature of the general category fishery could change and negatively impact the small day-boat vessels that are unable to invest in more capacity. Upgrading without any restrictions (Alternative 2) would magnify these impacts compared to the 10:10:20 upgrade provision.

Stacking of permits will allow the general category permit holders with more one than one qualifying boat to consolidate their allocation into one vessel to help reduce fishing costs, such as repairs, maintenance and insurance. This will also help the vessels to maintain an economically viable operation if the allocations for separate vessels is too low to generate revenue to cover variable and fixed expenses. Therefore, a stacking provision would have positive impacts especially on those vessels that target scallops and depend on this fishery as the main source of their income. In this respect, an alternative that restricts stacking pounds to 60,000 lb. at a maximum (3.1.2.5.4.3) will allow more flexibility to vessels compared to limiting stacking to two permits only (3.1.2.5.4.2). However, consolidation of permits in fewer boats could have possible negative impacts at the community level and negative impacts on cultural values emphasizing the small, day-boat character of the fishery as discussed in Section 5.5, Social Impact Assessment.

The proposed action (3.1.2.5.4.4) will allow a vessel to stack up to 2% of the total general category allocation per vessel instead of restricting stacking to two permits or the stacking pounds to 60,000 lb. Table 153 provides an analysis of this alternative corresponding to various levels of general category TAC and compares it with stacking pounds to 60,000 lb. (Alternative 3.1.2.5.4.3). Fourth column in Table 153 shows the percentage of general category access with 60,000 maximum stacking corresponding to different levels of general category TAC. It shows that a 2% ownership restriction will be more (less) restrictive than the maximum permit stocking option of 60,000 lb. if general category TAC is less (more) than 3 million pounds. An advantage of stacking up to 2% of general category allocation is that total pounds stacked will vary according to the level of total scallop harvest. For example, at a total scallop yield of 50 million pounds and 5% general category TAC, total allocation to general category fishery will be 2.5 million lb. At this level a vessel could stack up to 50,000 lb. with 2% stacking restriction. If, however, scallop harvest increased to 70 million lb., a general category vessel could stack up to 70,000 lb. pounds at the proposed 5% TAC allocation to general category fishery. As a result the proposed action will have positive economic impacts on vessels by providing more flexibility when the scallop resource conditions are better as compared to permit stacking or 60,000 lb.

stacking options. As Figure 51 and Table 140 shows, there were only a few vessels that landed more than 47000 pounds in their best year, thus, 2% permit stacking alternative is not expected to be restrictive for most general category vessels. If the scallop resource conditions worsen and total TAC allocated to general category fishery declines, 2% stacking will result in fewer pounds stacked on a vessels and will prevent consolidation of general category TAC in fewer vessels.

Table 153. Permit stacking and percentage ownership restriction

Total scallop harvest (Million lb.)	General category TAC as a % of total harvest	GC TAC (Mil.lb.)	% share of allocation with stacking up to 60,000 lb.	Maximum pounds corresponding to percentage stacking of general category allocation or % ownership restriction				
				1%	2%	3%	4%	5%
40	2.50%	1	6.0%	10,000	20,000	30,000	40,000	50,000
40	5%	2	3.0%	20,000	40,000	60,000	80,000	100,000
40	7%	2.8	2.1%	28,000	56,000	84,000	112,000	140,000
40	10%	4	1.5%	40,000	80,000	120,000	160,000	200,000
40	11%	4.4	1.4%	44,000	88,000	132,000	176,000	220,000
50	2.50%	1.3	4.6%	13,000	26,000	39,000	52,000	65,000
50	5%	2.5	2.4%	25,000	50,000	75,000	100,000	125,000
50	7%	3.5	1.7%	35,000	70,000	105,000	140,000	175,000
50	10%	5	1.2%	50,000	100,000	150,000	200,000	250,000
50	11%	5.5	1.1%	55,000	110,000	165,000	220,000	275,000
60	2.50%	1.5	4.0%	15,000	30,000	45,000	60,000	75,000
60	5%	3	2.0%	30,000	60,000	90,000	120,000	150,000
60	7%	4.2	1.4%	42,000	84,000	126,000	168,000	210,000
60	10%	6	1.0%	60,000	120,000	180,000	240,000	300,000
60	11%	6.6	0.9%	66,000	132,000	198,000	264,000	330,000
70	2.50%	1.8	3.3%	18,000	36,000	54,000	72,000	90,000
70	5%	3.5	1.7%	35,000	70,000	105,000	140,000	175,000
70	7%	4.9	1.2%	49,000	98,000	147,000	196,000	245,000
70	10%	7	0.9%	70,000	140,000	210,000	280,000	350,000
70	11%	7.7	0.8%	77,000	154,000	231,000	308,000	385,000

Voluntary Relinquishment of Eligibility (3.1.2.5.5) and Permit Splitting (3.1.2.5.6) provisions are expected to have positive economic impacts on the sea scallop fishery as a whole by reducing and/or preventing an increase in capacity in the general category fishery. This is because no new permits would be issued to replace permits relinquished by qualifiers that exit the fishery later on, and the limited access permits would not be allowed to split apart and distributed among other and/or replacement vessels with different fishing power. These measures are in line with the consistency amendment.

The economic impacts of permit renewals and confirmation of permit history provisions (3.1.2.5.8) are expected to be positive for the limited access qualifiers. These measures will help to determine the fishermen who have an active interest in participating in the general category fishery. This would enable vessel owners that qualify for limited access to retain their fishing history and to transfer it to a replacement vessel in the future.

The percentage ownership restriction (3.1.2.5.8) will prevent a few individuals or corporations from dominating the fishery and will help to redistribute gains from the limited access more equitably among more fishermen. It could also reduce the potentially negative impacts of consolidation on employment and crew incomes due to the decrease in the number of vessels, with positive economic impacts on communities that depend on small day-boat fishery. The proposed alternative 3.1.2.5.8.2 will restrict maximum ownership of allocation (either in pounds or in number of trips) to 1%-5% of total allocation for general category fishery. Table 153 also provides an analysis of this action in terms of pounds that could be owned by an individual or corporation depending on the percentage ownership. For example, if general category TAC was 2.5 million pounds (5% of total scallop harvest of 50 million lb.), an individual or corporation could land up to 125,000 pounds of scallops by stacking permits on 3 vessels if the ownership restriction was 5% of the total general category allocation.

5.4.10 The impacts of trawl gear measures (3.1.2.6)

These alternatives reduce the incentive for qualifying vessels to target scallops with trawl gear. Alternative 3.1.2.6.2 was developed to prevent an expansion in general category scallop effort using trawl gear, and Alternatives 3.1.2.6.3 and 3.1.2.6.4 were developed to reduce incentive to fish for scallops with trawl gear.

Overall, prohibition of switching to trawl gear would have minimal impacts on most participants in the general category fishery, while reducing scallop mortality from an increase in fishing effort by trawl gear. Since most ($\frac{3}{4}$ of all) of the general category scallops trips in 2005 involved the use of the scallop dredge (Table 191, Social Impact Assessment), prohibition of switching to trawl gear is not expected to affect negatively the majority of the vessels compared to no action (3.1.2.6.1). In addition, a gear switching prohibition will not affect those trawl vessels that qualify for limited access based on their fishing history. For example, of the 452 general category vessels whose landings are recorded in logbook records and would qualify based on at least one of the qualification criteria, over half (185) used only scallop or other dredges to land scallops, 195 vessels used trawl gear only, and 72 vessels used a combination of dredge and trawl during the 11-year qualification period to catch scallops, (Section 5.5.1.1.4, Social Impact Assessment). The last group of vessels would be prohibited from using trawl gear. Since most of these vessels do not catch the majority of their scallops with trawl gear, this alternative would reduce their scallop revenue from mixed trips only.

The lower possession limit for trawl vessels (3.1.2.6.3), or the measure to limit scallop trips to 5% of regulated species (3.1.2.6.4), could have less negative impact on trawl fishermen compared to 3.1.2.6.2, in that they could continue to use trawl on mixed trips for landing scallops. About half of the trawls vessel land 300 lb. or less of scallop pounds from their trips (Table 5, Section 3.1.2.6.3). The overall positive impacts of this measure on the scallop resource and future yield are expected to outweigh the negative impacts on some participants and to increase scallop landings and revenue compared to no action. Section 5.5.1.1.4, Social Impact Assessment, provides further discussion of the impact of these measures on vessels and ports.

5.4.11 Sectors and Harvesting Cooperatives (3.1.2.7)

This action is considering a process for the creation of fishing “sectors” and the allocation of TAC shares to the sectors within the general category fishery. The establishment of sectors will

not impact overall scallop landings and revenues from the general category fishery. It will have positive impacts on the participants, however, by allowing fishermen to combine their allocations and to fish using fewer vessels in order to reduce fishing costs. This will provide an opportunity for fishermen to establish and benefit from an economically viable operation when the allocations of individual vessels are too small to make scallop fishing profitable. Under these conditions, general category scallop TAC is likely to be fully utilized by qualifiers with positive impacts on revenues and producer and consumer benefits. There could be some indirect positive impacts if sectors identify ways to fish more efficiently, reduce bycatch, and prevent interactions with the protected species. Because the details of sector management will be included in the operations plan and submission will be accompanied by appropriate NEPA documents, impacts on the fishery-related businesses would be evaluated by the proponents at that time and accepted by the agency with any accompanying caveats on the sector operations.

There is some concern that sectors could change the nature of the general category fishery from a small day-boat fishery to a fishery dominated by a few large boats fishing like offshore boats with multiple day trips. As long as general category fishery is subject to a 400 lb. possession limit per trip, however, there will be less incentive to consolidate shares on boats with higher fishing power or to invest in larger capacity boats. On the other hand, for fishing in the access areas, it may be beneficial to put allocations on vessels with higher fishing power in order to maximize the landings before an area closes to general category fishing. In such a case the participants of a sector could gain at the expense of other vessels that fish individually or belong to a sector with smaller vessels. If the general category fishery is managed by a vessel allocation system (whether in terms of individual fishing quota, trips, or tiers.), there will be less incentive for race to fish in access areas since scallop pounds or trips would be deducted from a vessel's allocation no matter where they fish.

It remains to be seen how cooperatives will affect employment and crew incomes in the general category fishery. Although scallop fishing with fewer vessels would reduce employment to some extent, given that many general category vessels participate in other fisheries as well, these negative impacts on crew could be small. There are also potential issues related to sectors and cooperatives such as a decline in competition and price fixing, especially when a few sectors dominate the fishery. Such impacts for sectors in general category fishery could be small since the general category fleet lands a small proportion of the total scallop catch. A 20% limit on sector shares would also reduce such potentially negative impacts.

5.4.12 Interim measures for transition period to limited entry

The Council is considering two alternatives for interim measures until a limited entry and allocation program could be implemented.

5.4.12.1 Interim temporary 10% TAC alternative (proposed action)

This alternative will establish a temporary hard general category TAC of 10% of the overall scallop harvest for 2 years during the transition period to limited entry (or until the individual / tier allocation program can be implemented). This measure will also establish a similar temporary hard TAC quota for limited access vessels fishing in the general category for the transition period to individual allocation. All those who had a permit during the qualifying years (and have appealed their eligibility) prior to the control date would qualify to fish. Qualification

would be based on measures voted in under Amendment 11 and put in place at the end of the appeals process or 2 years, whichever is shorter. The proposed action (Option A) will divide 10% hard TAC into quarterly TACs to reduce derby fishing.

This transition alternative is similar to the status transition alternative in all aspects except that total general category scallop landings (from all qualifiers) would be controlled by a hard TAC not to exceed 10% of the overall scallop harvest. All the analyses provided above for status quo alternative is relevant for this alternative as well in terms of the number of qualifiers, vessels that are likely to appeal, and recent participation. By limiting the general category landings at 10% of the total scallop landings, however, this alternative will prevent a short-term increase in overfishing of the scallop resource and also will prevent a consequent decline in limited access allocations to compensate for an increase in general category effort. In other words, the overall economic impacts of this alternative may not be very different from the status quo scenario estimated in Framework 18. On the other hand, this alternative could have negative impacts on the general category fishery by leading to derby style fishing as vessels try to maximize their landings before the fishery closes when the hard TAC is reached. The economic impacts of hard TAC were analyzed above in Section 5.4.8.5 and 5.4.8.6 above and will not be repeated here. Given that the general category landings by vessels that had a permit before the control date was around 11% of total landings in 2005, a 10% hard TAC does not constitute a significant constraint on recent landings. As a result, 10% hard TAC could minimize the incentive for race to fish if there is not an unexpected increase in the number of and effort by general category vessels. Furthermore, the division of the total hard TAC into quarterly TACs will reduce race to fish to some extent, thus will lessen the negative impacts that could arise from derby fishing such as negative impacts on price due to market gluts. The implementation of limited entry and management of the general category fishery by a quarterly TAC followed by individual allocations once the transition period is completed will result in positive long-term economic impacts on the sea scallop fishery compared to status quo alternative as discussed in Section 5.4.2 to Section 5.4.8 and other relevant sections of Economic Analysis of DSEIS.

5.4.12.2 Transition to limited entry alternative without a hard-TAC

Under this alternative, general category scallop permit holders will fish under existing regulations during the appeals process. All those who had a permit during the qualifying years (and have appealed their eligibility) prior to the control date would qualify to fish. Qualification would be based on measures voted in under Amendment 11 and put in place at the end of the appeals process or 2 years, whichever is shorter.

The number of vessels that would be qualified for limited access, thus would be allowed to participate in the general category fishery during the transition period were estimated in Table 80 for each qualification (poundage) criteria and period alternative. In addition to these vessels, the vessels that had a permit before the control date will be qualified to appeal and fish during the transition period. Since it is not known at this point how many vessels will appeal, the total number of vessels that are likely to fish can not be estimated with certainty. Potentially, this could include over 4000 permit holders for 11 year fishing period, over 3000 permit holders for 5 year fishing period and over 2000 permit holders for 2 year fishing period depending on the qualification criteria. Given that only 924 out of 4777 unique vessels that had a general category permit landed a pound or more scallops during 11 year period and fewer vessels landed

any scallops during the 5 and 2 year qualification periods, the number of vessels that will apply for appeal would probably be much lower than the whole universe of vessels that had a permit during a qualification time period.

Although participation in the general category fishery increased during the recent years, the number of active vessels was still significantly less than the total number of general category permits obtained before the control date. For example, 516 vessels that had a permit before the control date participated in the general category fishery in 2005 fishing year and 234 of them would qualify for limited access under the preferred alternative (11 year period and 1000 lb. criteria) without no need for appeal (Table 119 to Table 121). The remaining 282 vessels (516 minus 234) that participated in the general category fishery in 2005 may not qualify for limited access according to the estimates based on the dealer data, but they could still continue to fish during the transition period if they appeal their eligibility. Similarly, preliminary estimates indicated that 455 vessels that had a permit before the control date participated in general category fishery during 2006 fishing year (up to January 2006) and 203 of these vessels would qualify for limited access under the preferred alternative. If all the 516 vessels that were active in 2005 (2006) fishing year and had a permit before the control date continued to fish during the transition period either because they were eligible or because they appealed their eligibility, then the general category scallop landings could be over 5.8 million lb. if they landed the same amounts as they in 2005 fishing year.

Under this alternative general category scallop landings would estimated based on the recent participation in the fishery by vessels that had a permit before the control date, and the estimated amount would be removed out of the limited access allocations during the transition period. For example, if it is estimated that general category landings would be similar to 2005 level, then 5.8 million pounds would be deducted from the total estimated scallop harvest, 56 million pounds in 2008 and 61 million pounds in 2009 to determine day-at-sea allocations fro limited access vessels. This is in line with the status quo estimates in Framework 18, since general category share would constitute slightly above 10% of total scallop harvest in 2008 and less than 10% of the harvest in 2009. Therefore, if the participation by general category vessels that had a permit before the control date does not increase significantly above the recent levels, the economic impacts of this alternative compared to the status quo would be negligible during the transition period. On the other hand, it is possible for the number of appeals to be greater than the number of vessels that fished during the recent years, thus for more vessels to participate in the fishery. If this happens and the general category scallop landings increase above 10% of total scallop harvest, then there would be a short-term increase in overfishing of the scallop resource with negative impacts on economic benefits. After the transition period is completed, however, any short-term increase in fishing mortality would be corrected by adjusting allocations down for the general category and limited access vessels. Although, this would have negative short-term economic impacts on vessels, the implementation of limited entry and management of the general category fishery by a TAC combined with individual (or tiered) allocations (either in trips or pounds) once the transition period is completed will have positive long-term economic impacts on the sea scallop fishery as discussed in Section 5.4.2 to Section 5.4.8 and other relevant sections of Economic Analysis of DSEIS.

5.4.13 Hard TAC without limited access (3.1.3)

In addition to the hard TAC alternatives with limited access, alternative 3.1.3.1 proposes to control mortality in the general category fishery with a hard TAC providing equal access to all participants. This alternative will magnify the negative impacts of TAC management discussed in Section 5.4.8.6. Since general category fishery will remain open access, the race to fish will intensify if there are new entrants to the fishery, fishing season will shorten, and the negative impacts on prices and revenues will increase. The general category vessels that traditionally participate in the scallop fishery would incur more losses with this alternative compared to the hard TAC management with limited access since there will be more participants racing to land scallops before the quota is reached.

5.4.14 Impacts of Northern Gulf of Maine (NGOM) Scallop Management Area alternatives (Section 3.1.4)

5.4.14.1 No Action

Since no specific measures would be considered for the Northern Gulf of Maine, the impacts on the number of qualifiers, allocations, revenues and costs would be the same as the impacts analyzed in Section 5.4.3 to Section 5.4.8.4 above. Many vessels with a primary port of landing in Maine will qualify for limited access because they have landed scallops during the alternative qualification periods (Table 87 through Table 90). However, this alternative does not provide access opportunity for general category vessels that could not establish a scallop landings history especially in the recent years due to the poor scallop resource conditions in NGOM. Therefore, Amendment 11 could potentially have negative economic impacts on these vessels by disqualifying them from access to the scallop fishery in the future.

5.4.14.2 Amendment 11 would not apply to the Northern Gulf of Maine

If this alternative is selected by the Council then an open access permit to fish for scallops under general category would remain for this area, and a vessel could land up to 400 pounds of scallops per trip if they have VMS (IB permit). Any vessel from any area would be permitted to apply for and fish under an open access NGOM general category permit. A hard TAC would be established for this area and if reached vessels would be limited to possession of up to 40 pounds of scallops after the TAC was reached.

This alternative will retain the opportunity for those general category vessels that do not qualify for limited access with the Amendment 11 alternatives to fish for scallops in NGOM when there is an improvement in the scallop resource in this area. As a result, the economic impacts on these vessels will be positive. As examined in Section 5.5.3 of Social Impact Assessment, these positive impacts could be significant for some ports and communities where these vessels are located. On the other hand, this alternative will let any general category fishermen regardless of their homeport to land scallops in this area. Therefore, the positive impacts on the general category fishermen that traditionally fished in this area could be reduced if there is an influx of vessels from other areas to participate in the open access fishery of NGOM.

A hard TAC for this area will help prevent overfishing of the scallop resource that could happen with open access; therefore, will minimize negative economic impacts from a reduced yield in the future. There could be some negative impacts from derby fishing with a hard TAC, however,

especially if there are new vessels from other ports that want to participate in the open access fishery. There may also be some negative impacts on the portions of the scallop resource related to the boundary options, however. For example, with Option A, an additional area (compared to Option B) to the south will be added for open access, which could result in some vessels fishing with limited access and some vessels fishing with open access permits. This would complicate the estimation of TAC and could result in overfishing of this area, which in turn, could have negative economic impacts for both limited access and open access general category vessels.

5.4.14.3 Establish a Northern Gulf of Maine Management Area Limited Entry Program

This alternative would develop a separate limited entry general category program in the GOM exemption area north of 42°20N (**Option A**) or— waters in the EEZ north of 43N (**Option B**). To qualify for a NGOM scallop permit, a vessel must have had a General Category scallop permit in any fishing year between 1994 and Nov. 1, 2004 and must have landed at least one 100 pound trip in the same fishing year in any area. In other words, the same 705 vessels that qualify for 11 year period with the 100 lb. qualification criteria will also qualify for NGOM scallop permit. All the information and analyses relevant for these vessels were provided in Section 5.4.3 and Section 5.4.5 (Table 79, Table 80 and Table 99 to Table 108), thus will not be repeated here. Table 155 provides information, however, about scallop landings per vessel, years active, gross tonnage of these vessels by the primary state of landing. This alternative will qualify 186 vessels from Maine, 17 from NH and 244 from MA for NGOM permit, as well as many vessels from Rhode Island, Connecticut and from Mid-Atlantic states. If a separate management area for NGOM is not implemented, the same vessels, including 186 vessels from Maine would still qualify for limited access with 11 year qualification period and 100 lb. criteria, although they wouldn't be allocated a separate TAC for fishing in the NGOM area. If, however, a more restrictive qualification criteria or a shorter qualification period was selected for qualification, the number of vessels from Maine qualify for limited access will decline. For example, a 5 year qualification period will reduce the number qualifiers to 95 vessels, and the 5000 lb. qualification criterion, to 34 vessels with a primary state of landing in Maine (Table 154).

Table 154. Vessels with a primary port from Maine: Number of qualifying vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period

Time period	Qualification Criteria	Qualified	Number of vessels	Total scallop landings (lb., Best year)	Avg. Scallop landings per vessel (lb., best year)	Avg.GRT per vessel
1994-04 (Up to the control date) Total: 223 active vessels	100 lb. Criteria	NO	37	11,782	318	28
		YES	186	710,968	3,822	29
	1000 lb. Criteria	NO	93	32,453	349	42
		YES	130	691,298	5,318	23
	5000 lb. Criteria	NO	180	240,328	1,335	32
		YES	43	483,422	11,242	20
2000-04 (Up to the control date) Total: 113 active vessels	100 lb. Criteria	NO	18	2,632	146	41
		YES	95	516,367	5,435	26
	1000 lb. Criteria	NO	43	13,394	311	44
		YES	70	506,200	7,231	19
	5000 lb. Criteria	NO	79	109,659	1,388	33
		YES	34	409,935	12,057	18
2003-04 (Up to the control date) Total: 60 active vessels	100 lb. Criteria	NO	8	709	89	27
		YES	52	340,178	6,542	24
	1000 lb. Criteria	NO	19	5,511	290	36
		YES	41	335,376	8,180	20
	5000 lb. Criteria	NO	37	57,712	1,560	29
		YES	23	283,176	12,312	19

Establishing a separate management area and TAC for NGOM will have positive economic impacts on those vessels that are not qualified for limited access but qualify for an NGOM permit. These vessels will have an opportunity to land scallops in this area when the resource conditions are favorable. On the other hand, some of these non-qualifiers fish in other areas as well, but will not be able to do so with their NGOM permit.

Since a separate TAC will be set for this area, the risks from overfishing the scallop resource will be minimized. Although there will be some negative impacts from a potential derby fishing due to the hard TAC, a lower trip limit of 200 lb. and a maximum one trip per day could reduce these negative impacts to some extent. For the vessels that qualify for a regular general category limited access permit, the trip limit will stay at 400 lb., but their landings from NGOM area will be deducted from their allocations. Therefore, establishing NGOM as a separate area is not likely to provide an incentive to fish in this area for those vessels that are not located in close proximity

to the area. Restricting the dredge size for fishing in NGOM will also reduce the incentive to fish in that area by some vessels that normally employ a larger dredge size.

Table 155. General category permits and vessels qualify for NGOM permit by primary state of landing.

Primary State of landing	Number of general category permits at the time of control date	Vessels that qualify for NGOM permit (i.e. landed 100 lb. or more from one trip)				
		Number of vessels	Average scallop lb. per vessel (Best year, 11 years period)	Total scallop landings (Best year, 11 years period)	Average number of years active	Average GRT
CT+RI	233	52	1,736	90,278	2.7	112
MA	826	244	5,121	1,249,564	4.2	72
ME	571	186	3,822	710,968	2.3	29
NH	52	17	2,235	37,996	3.9	20
NC	130	44	10,384	456,894	2.7	87
NJ	294	75	14,257	1,069,304	2.5	80
NY	210	47	7,266	341,525	3.4	65
Oth.MidAt	168	40	8,315	332,581	2.3	83
Grand Total	2484	705	6,084	4,289,112	3.1	68

5.4.14.4 Establish a Northern Gulf of Maine Management Area Limited Entry Program without landings criteria (*proposed action*)

The proposed alternative would develop a separate limited entry general category program in the GOM exemption area north of 42°20N. All vessels that have had a general category permit at the time of the control date (Nov. 1, 2004) will qualify for a NGOM scallop permit regardless of the amount of scallop landings prior to control date, i.e., even if they never landed any scallops in the past. The economic impacts of this action will be similar to the impacts of alternative 3.1.4.3 analyzed above except that a larger number of vessels will be qualified for limited access to the NGOM area. Specifically, 2484 vessels that had a general category permit during the 2004 application year before the control date will be permitted to fish in NGOM area with a 200 pound possession limit (Table 155). Therefore, the proposed alternative will have positive economic impacts on a larger number of vessels that are not qualified for limited access but qualify for an NGOM permit since these vessels will have an opportunity to land scallops in this area when the resource conditions are favorable. For example, most of the 308 vessels that will not qualify for limited access with the proposed 1000 lb. poundage criteria and 5-year qualification period will qualify for NGOM permit in addition to those vessels that never landed any scallops but hold a permit at the time of the control date. Majority of these vessels landed 200 lb. or less of scallops from any one trip, therefore will not be negatively impacted from 200 lb. possession limit (Table 94). On the other hand, some of these non-qualifiers land more than 200 lb. per trip and fish in other areas as well, but will not be able to do so with their NGOM permit. The NGOM area limited access program is developed, however, with the intent to provide opportunity to small boats to land scallops in the future as a bycatch when the scallop resource conditions in this area improves.

The number of vessels that would actually participate in the NGOM area program are expected to be much less since the total number of active general category vessels that landed scallops from all areas and that had a permit before the control date were about 516 in 2005 fishing year

and about 455 in 2006 fishing year up to January 2006 (Table 119). A separate hard TAC will be set for this area minimizing the risks from overfishing the scallop resource. Although there will be some negative impacts from a potential derby fishing due to the hard TAC, a lower trip limit of 200 lb. is expected to reduce these negative impacts. Restricting fishing in this area with a 10.5 ft dredge will also reduce the incentive to fish in that area by some vessels that normally employ a larger dredge size. This will also eliminate the trawl vessels increasing their effort to land scallops in this area. The vessels fishing with multispecies or monkfish permit will be exempted from this requirement as well as from the upgrade restriction, thus will continue to be allowed to catch scallops as a bycatch. For the vessels that qualify for a regular general category limited access permit, their landings from NGOM area will be deducted from their allocations. Therefore, establishing NGOM as a separate area is not likely to provide an incentive to fish in this area for those vessels that are not located in close proximity to NGOM. The requirement to carry a VMS and to report landings through VMS will improve monitoring and ensure that TAC for NGOM area is not exceeded.

5.4.15 Monitoring Provisions (3.1.5)

Under no action, vessels would still be required to report scallop landings through vessel trip reports (VTR). However, alternative 3.1.5.2 would require all general category vessels to report landings through VMS, and alternative 3.1.5.3 would require weekly landings reports through Interactive Voice Reporting (IVR). These alternatives are expected to have positive indirect economic benefits for the sea scallop fishery by improving the monitoring of the fishing effort in the general category fishery and ensuring better compliance with the regulations. There will be more positive impacts associated with VMS since the information provided will be real time and will include the location of the vessel. These measures will increase compliance costs for fishermen to some extent in terms of increased time and inconvenience associated with reporting. Since general category vessels that land over 40 lb. are already required to have a VMS onboard, these costs are not expected to be significant, however.

5.4.16 Impacts of limited access fishing under general category rules (Alternatives in Section 3.1.6 of DSEIS)

5.4.16.1 Qualification for limited access general category fishery

Currently limited access scallop vessels are permitted to fish for scallops under general category rules while not fishing on a scallop DAS. They are restricted to 400 pounds per trip. Amendment 11 is considering several alternatives related to limited access fishing under general category rules. One alternative would prevent it entirely (Alternative 3.1.6.1.4), one would permit it, but only for limited access vessels that qualify under the same criteria as general category vessel (Alternative 3.1.6.1.2), and one alternative would only permit part-time and occasional vessels to qualify and prevent full-time vessels from fishing under general category rules (Alternative 3.2.6.1.3).

The numbers of limited access vessels that qualify general category limited access with 100 lb., 1000 lb. and 5000 lb. criteria, scallops pounds and number of general category trips are shown in Table 156 to Table 158. For example, of the 231 unique limited access vessels that fished under general category rules during 2000-2004, only about 57 of them would potentially qualify under the 1000 pound qualification criteria (Table 157). Of these, 38 are full-time vessels, and about 19

of them have a part-time or occasional permit. The number of qualifiers would increase to 126 vessels, 96 full-time and 30 part-time and occasional, if the 11 year period is selected as the period of qualification. This significant increase in the number of qualifiers for the 11 year period could be due to several factors:

- Any trip landing record in dealer data of less than or equal to 400 lb. of scallops for limited access vessels are assumed to be general category trips, that is trips not taken when the vessel is under day-at-sea. This assumption would indeed provide an accurate estimation of general category trips after 1998 when landings per day-at-sea (LPUE) exceeded 400 lb. significantly (Table 18 in Section 4.4). But for earlier years from 1994 to 1998, because average LPUE was below 500 lb., some of the trips with less than 400 lb. of scallops could have been limited access trips rather than general category trips. As a result, the number of limited access vessels taking general category trips may have been overestimated. Thus, the number of actual qualifiers could be less than shown in the table for 11 year period depending on how NMFS will determine which trips by limited access vessels belong to the general category trip category.
- Since 11 year period include those early years from 1994 to 1998, during when the scallop productivity and average LPUE was low, some limited access vessels may have taken more general category trips to compensate for the decline in scallop landings when they fished under day-at-sea.

Table 156. The limited access vessels qualify and do not qualify for general category limited access permit with 100 lb. criteria and qualification period

Period	Qualify	Permit category	Number of vessels	Best year scallop pounds per vessel	Total scallop pounds (best year)	Number of trips per vessel (best year)
11 year	NO	Full-time	13	63	815	1.4
		Part-time+Occasional	9	85	763	1.3
	NO Total		22	72	1,578	1.4
	YES	Full-time	267	1730	461,889	6.1
		Part-time+Occasional	78	3123	243,630	11.6
YES Total		345	2045	705,519	7.3	
11 year Total			367	1927	707,097	7.0
5 years	NO	Full-time	30	55	1,642	1.2
		Part-time+Occasional	8	85	682	2.1
	NO Total		38	61	2,324	1.4
	YES	Full-time	144	1704	245,380	5.4
		Part-time+Occasional	49	4241	207,824	13.7
YES Total		193	2348	453,204	7.5	
5 years Total			231	1972	455,528	6.5
2 years	NO	Full-time	15	57	851	1.2
		Part-time+Occasional	5	64	320	1.4
	NO Total		20	59	1,171	1.3
	YES	Full-time	88	1711	150,609	5.4
		Part-time+Occasional	23	6737	154,952	20.3
YES Total		111	2753	305,561	8.5	
2 years Total			131	2341	306,732	7.4

Table 157. The limited access vessels qualify and do not qualify for general category limited access permit with 1000 lb. criteria and qualification period

Period	Qualify	Permit category	Number of vessels	Best year scallop pounds per vessel	Total scallop pounds (best year)	Number of trips per vessel (best year)
11 year	NO	Full-time	184	445	81,790	2.3
		Part-time+Occasional	57	413	23,562	2.8
	NO Total		241	437	105,352	2.4
	YES	Full-time	96	3968	380,914	12.6
		Part-time+Occasional	30	7361	220,831	25.2
YES Total		126	4776	601,745	15.6	
11 year Total			367	1927	707,097	7.0
5 years	NO	Full-time	136	339	46,155	1.6
		Part-time+Occasional	38	423	16,087	3.0
	NO Total		174	358	62,242	1.9
	YES	Full-time	38	5286	200,867	15.5
		Part-time+Occasional	19	10127	192,419	30.2
YES Total		57	6900	393,286	20.4	
5 years Total			231	1972	455,528	6.5
2 years	NO	Full-time	77	367	28,222	1.7
		Part-time+Occasional	19	462	8,785	3.8
	NO Total		96	385	37,007	2.1
	YES	Full-time	26	4740	123,238	13.7
		Part-time+Occasional	9	16276	146,487	44.6
YES Total		35	7706	269,725	21.7	
2 years Total			131	2341	306,732	7.4

Table 158. The limited access vessels qualify and do not qualify for general category limited access permit with 5000 lb. criteria and qualification period

Period	Qualify	Permit category	Number of vessels	Best year scallop pounds per vessel	Total scallop pounds (best year)	Number of trips per vessel (best year)
11 year	NO	Full-time	258	910	234,779	3.7
		Part-time+Occasional	80	986	78,860	5.7
	NO Total		338	928	313,639	4.2
	YES	Full-time	22	10360	227,925	30.4
		Part-time+Occasional	7	23648	165,533	65.4
YES Total		29	13568	393,458	38.9	
11 year Total			367	1927	707,097	7.0
5 years	NO	Full-time	162	630	102,113	2.6
		Part-time+Occasional	50	859	42,973	4.8
	NO Total		212	684	145,086	3.1
	YES	Full-time	12	12076	144,909	32.6
		Part-time+Occasional	7	23648	165,533	63.9
YES Total		19	16339	310,442	44.1	
5 years Total			231	1972	455,528	6.5
2 years	NO	Full-time	96	746	71,629	2.8
		Part-time+Occasional	23	821	18,889	5.1
	NO Total		119	761	90,518	3.3
	YES	Full-time	7	11404	79,831	31.1
		Part-time+Occasional	5	27277	136,383	71.2
YES Total		12	18018	216,214	47.8	
2 years Total			131	2341	306,732	7.4

The full-time vessels taking general category trips has a lower dependence on general category trips as a revenue source compared to part-time and occasional vessels (Table 159 to Table 161). Again using 1000 lb. criteria and five year qualification period as an example, Table 160 shows that full-time vessels derived only 3.3% of their revenue from general category trips, whereas part-time and occasional vessels derived 11% of their revenue fishing under the general category rules. Therefore, the alternative (3.1.6.1.4) that prevents all vessels with limited access permits from having access to general category fishery in the future would have more negative impacts on occasional and part-time vessels compared to the full-time vessels. The primary part of landings and average gross tonnage of the limited access vessels that could qualify for limited access under various qualification criteria are shown in Table 162 to Table 164. In general, part-time and occasional vessels are smaller than their full-time counterparts. Majority of the limited access vessels that may qualify for limited access under some alternatives are from Mid-Atlantic area.

Table 159. Dependence on general category scallop landings as a % of total revenue in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 100 lb. criteria

Period	Permit category	Number of active vessels with general category trips	Total revenue per vessel	Scallop revenue per vessel	Scallop revenue as a % of total revenue	General category scallop lb. as a % of total scallop lb.	General category revenue as a % of total revenue
11 year	Full-time	70	\$1,177,515	\$1,066,362	91.4%	3.2%	2.9%
	Part-time+Occasional	26	\$710,539	\$591,089	80.9%	15.8%	12.8%
5 years	Full-time	56	\$1,116,633	\$1,007,825	91.0%	3.6%	3.3%
	Part-time+Occasional	22	\$697,740	\$575,447	83.6%	13.2%	11.0%
2 years	Full-time	41	\$1,106,033	\$996,684	91.0%	4.1%	3.7%
	Part-time+Occasional	11	\$638,572	\$497,409	78.7%	22.6%	17.8%

Table 160. Dependence on general category scallop landings as a % of total revenue in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 1000 lb. criteria

Period	Permit category	Number of active vessels with general category trips	Total revenue per vessel	Scallop revenue per vessel	Scallop revenue as a % of total revenue	General category scallop lb. as a % of total scallop lb.	General category revenue as a % of total revenue
11 year	Full-time	33	\$1,154,186	\$1,047,152	91.6%	3.7%	3.4%
	Part-time+Occasional	12	\$665,252	\$525,169	72.6%	27.5%	20.0%
5 years	Full-time	20	\$1,066,814	\$952,118	90.3%	5.8%	5.2%
	Part-time+Occasional	9	\$737,365	\$563,104	74.6%	22.6%	16.9%
2 years	Full-time	17	\$1,043,530	\$950,843	92.0%	6.5%	6.0%
	Part-time+Occasional	7	\$785,781	\$584,948	70.5%	28.0%	19.7%

Table 161. Dependence on general category scallop landings as a % of total revenue in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 5000 lb. criteria

Period	Permit category	Number of active vessels with general category trips	Total revenue per vessel	Scallop revenue per vessel	Scallop revenue as a % of total revenue	General category scallop lb. as a % of total scallop lb.	General category revenue as a % of total revenue
11 year	Full-time	11	\$1,028,917	\$915,834	90.4%	8.3%	7.5%
	Part-time+Occasional	4	\$952,874	\$735,584	76.3%	28.6%	21.8%
5 years	Full-time	9	\$1,046,850	\$923,103	89.9%	10.0%	9.0%
	Part-time+Occasional	4	\$952,874	\$735,584	76.3%	28.6%	21.8%
2 years	Full-time	7	\$1,014,154	\$879,267	88.7%	11.4%	10.1%
	Part-time+Occasional	4	\$952,874	\$735,584	76.3%	28.6%	21.8%

Table 162. Primary port of landing in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 100 lb. criteria

Period	State of landing	Full-time		Part-time and occasional	
		Number of vessels	GRT (Average)	Number of vessels	GRT (Average)
11 year	MA+NH	15	118	5	90
	NY+NJ	27	131	14	111
	Oth.Mid.At.	28	142	7	108
11 year Total		70	133	26	106
5 years	MA+NH	10	99	4	83
	NY+NJ	23	123	13	114
	Oth.Mid.At.	23	145	5	111
5 years Total		56	128	22	108
2 years	MA+NH	7	82	3	70
	NY+NJ	18	114	4	116
	Oth.Mid.At.	16	140	4	107
2 years Total		41	119	11	100

Table 163. Primary port of landing in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 1000 lb. criteria

Period	State of landing	Full-time		Part-time and occasional	
		Number of vessels	GRT (Average)	Number of vessels	GRT (Average)
11 year	MA+NH	6	101	NA	88
	NY+NJ	15	130	8	113
	Oth.Mid.At.	12	131	NA	107
11 year Total		33	125	12	110
5 years	MA+NH	4	76		
	NY+NJ	11	118	6	124
	Oth.Mid.At.	5	118	3	107
5 years Total		20	110	9	118
2 years	MA+NH	4	76		
	NY+NJ	10	116	4	116
	Oth.Mid.At.	3	108	3	107
2 years Total		17	105	7	112

Table 164. Primary port of landing in 2005 fishing year for a sample of limited access vessels that qualify for general category limited access permit with 1000 lb. criteria

Period	State of landing	Full-time		Part-time and occasional	
		Number of vessels	GRT (Average)	Number of vessels	GRT (Average)
11 year	MA+NH	3	64		
	NY+NJ	6	113	NA	122
	Oth.Mid.At.	2	155	NA	138
11 year Total		11	107	4	126
5 years	MA+NH	3	64		
	NY+NJ	6	113	NA	122
	Oth.Mid.At.			NA	138
5 years Total		9	97	4	126
2 years	MA+NH	3	64		
	NY+NJ	4	113	NA	122
	Oth.Mid.At.			NA	138
2 years Total		7	92	4	126

5.4.16.2 Allocation of quota to limited access vessels under general category (Alternatives in Section 3.1.6 of DSEIS)

If limited access vessels are permitted to land under general category rules and a hard TAC is implemented for the general category fishery under this action then scallops landed by limited access vessels under general category rules will have to be deducted from either the TAC awarded to the general category fleet (Alternative 3.1.6.2.1), or a separate TAC, 0.5% of total scallop harvest, awarded to the limited access fishery for scallops caught under general category rules (Alternative 3.1.6.2.2).

Table 165 provides an analysis of alternative 3.1.6.2.1 assuming that limited access quota will be deducted from total general category % TAC according to the share of limited access qualifiers in total allocation amount. The last columns of this table show how a 5% and a 10% TAC will be distributed among the general category and limited access vessels. For example, with 11 year period and 1000 lb. qualification criteria, 87.4% of the scallop pounds from general category fishery was landed by general category vessels and 12.6% was landed by limited access vessels. Share of each category in total general category TAC will be proportional to these percentages. For example, if total general category TAC was set at 5% (10%), than only 4.4% (8.7%) of this amount will be allocated to the general category vessels and 0.6% (1.3%) of this amount will be allocated to limited access vessels qualifying for general category fishery (with 11 year and 1000 lb. criteria). Therefore, alternative 3.1.6.2.1 will reduce the amount of TAC allocated to general category vessels and will increase the quota for limited access vessels, with negative economic impacts on the first and positive economic impacts on the second group of vessels.

A separate allocation of 0.5% of the total catch for limited access vessels that qualify to fish under general category rules (Alternative 3.1.6.2.2) will result in limited access vessels receiving different allocations compared to the general category vessels depending on the % TAC and qualification alternatives. Using the same example above with 11 year period and 1000 lb. alternative and 5% (10%) TAC for general category vessels, limited access vessels would receive slightly less, 0.5%, with this alternative (3.1.6.2.2) compared to 0.6% (1.3%) with alternative

3.1.6.2.1. On the other hand, a five year qualification period combined with a 5% alternative would provide exactly the same share, 0.5% of TAC, for limited access under both alternatives. With a 2% combined TAC, however, limited access vessels with alternative 3.1.6.2.2 would receive slightly higher % share of TAC, 0.5%, instead of 0.3% they would have received with alternative 3.1.6.2.1. The impacts of a 0.5% separate TAC for limited access qualifiers corresponding to various levels of scallop harvest are shown in Table 166.

Table 165. Allocation of general category TAC among general category and limited access vessels qualifying for limited access

Period	Qualification	Permit category	Number of vessels	Average scallop lb. per vessel (Best year)	Total scallop lb. (Best year)	% share in total scallop lb.	Total general category TAC		
							2%	5%	10%
							% share in TAC	% share in TAC	% share in TAC
11 year	100	General category	705	6,084	4,289,220	85.9%	1.7%	4.3%	8.6%
		Limited access	345	2,427	705,519	14.1%	0.3%	0.7%	1.4%
	100 Total		1,050	4,255	4,994,739	100.0%	2.0%	5.0%	10.0%
	1000	General category	459	9,124	4,187,916	87.4%	1.7%	4.4%	8.7%
		Limited access	126	5,665	601,745	12.6%	0.3%	0.6%	1.3%
	1000 Total		585	7,394	4,789,661	100.0%	2.0%	5.0%	10.0%
	5000	General category	203	17,757	3,604,671	90.2%	1.8%	4.5%	9.0%
		Limited access	29	17,004	393,458	9.8%	0.2%	0.5%	1.0%
	5000 Total		232	17,381	3,998,129	100.0%	2.0%	5.0%	10.0%
	5 year	Stand-alone ITQ alternative*	General category	677	5,872	3,975,344	89.7%	1.8%	4.5%	9.0%
Limited access			231	9,303	455,528	10.3%	0.2%	0.5%	1.0%
Stand-alone ITQ alternative* Total		908	7,588	4,430,872	100.0%	2.0%	5.0%	10.0%	
100		General category	548	7,232	3,963,136	89.7%	1.8%	4.5%	9.0%
		Limited access	193	2,973	453,204	10.3%	0.2%	0.5%	1.0%
100 Total		741	5,102	4,416,340	100.0%	2.0%	5.0%	10.0%	
1000		General category	369	10,524	3,883,356	90.8%	1.8%	4.5%	9.1%
		Limited access	57	7,707	393,286	9.2%	0.2%	0.5%	0.9%
1000 Total		426	9,115	4,276,642	100.0%	2.0%	5.0%	10.0%	
5000		General category	188	18,475	3,473,300	91.8%	1.8%	4.6%	9.2%
	Limited access	19	17,862	310,442	8.2%	0.2%	0.4%	0.8%	
5000 Total		207	18,169	3,783,742	100.0%	2.0%	5.0%	10.0%	
2 year	100	General category	399	7,443	2,969,757	90.7%	1.8%	4.5%	9.1%
		Limited access	111	4,224	305,561	9.3%	0.2%	0.5%	0.9%
	100 Total		510	5,834	3,275,318	100.0%	2.0%	5.0%	10.0%
	1000	General category	277	10,518	2,913,486	91.5%	1.8%	4.6%	9.2%
		Limited access	35	10,508	269,725	8.5%	0.2%	0.4%	0.8%
	1000 Total		312	10,513	3,183,211	100.0%	2.0%	5.0%	10.0%
	5000	General category	143	18,245	2,609,035	92.3%	1.8%	4.6%	9.2%
Limited access		12	19,341	216,214	7.7%	0.2%	0.4%	0.8%	
5000 Total		155	18,793	2,825,249	100.0%	2.0%	5.0%	10.0%	

Table 166. Impacts of 0.5% TAC on average allocation per vessel

Qualification period			11 year period			5 year period			2 year period			
Qualification Criteria (lb.)			100	1000	5000	Stand-alone ITQ	100	1000	5000	100	1000	5000
Number of qualified vessels			345	126	29	231	193	57	19	111	35	12
Scallop lb. per vessel (Best year)			2,427	5,665	17,004	9,303	2,973	7,707	17,862	4,224	10,508	19,341
Total scallop landings (mill. lb., Best year)			0.71	0.60	0.39	0.46	0.45	0.39	0.31	0.31	0.27	0.22
Scallop Harvest (mil.lb.)	% TAC	Limited access TAC (mill. lb.)	Average allocation per vessel (pounds)									
40	0.5%	0.20	580	1,587	6,897	866	1,036	3,509	10,526	1,802	5,714	16,667
50	0.5%	0.25	725	1,984	8,621	1,082	1,295	4,386	13,158	2,252	7,143	20,833
60	0.5%	0.30	870	2,381	10,345	1,299	1,554	5,263	15,789	2,703	8,571	25,000
70	0.5%	0.35	1,014	2,778	12,069	1,515	1,813	6,140	18,421	3,153	10,000	29,167

5.4.17 Impacts of allocation between limited access and general category fisheries (section 3.1.7.2)

5.4.17.1 No action (alternative 3.1.7.1):

Under status quo management, instead of allocating a certain percentage to the general category, a target TAC (or scallop landings corresponding to the target fishing mortality) would be determined and measures will be put in place for general category and limited access fisheries to stay within that target. Under the current regulations, general category landings are estimated and DAS allocations for limited access vessels are determined after deducting the estimated landings for general category. For example, Framework 18 estimated that general category share in total landings in 2007 fishing year will be 10% of total landings. If in the future years, general category landings go above this proportion, the Council could reduce the DAS allocations for limited access vessels, negatively impacting the group of vessels that has been subject to strict effort controls since 1994. The Council could also reduce the possession limit for all general category vessels, affecting negatively most of the general category vessels that participate in the fishery and those that depend on scallops as a significant source of income.

If there was no action, however, that is, if no management action is taken to adjust limited access allocations to counteract an increase in mortality due to general category landings, overfishing of the scallop resource could occur. Even though limited access would prevent entry of new effort to the general category fishery, total general category landings could increase if the qualifiers take more trips. If that happens, there is no question that the future yield and revenues from the scallop resource would decline, negatively affecting the vessels both with general category and/or limited access scallop permits. Under the “no action” scenario, impacts on the consumer benefits may also be negative due to reduced scallop landings in the future, coupled with possibly higher scallop prices. Similarly, producer benefits would decline over the long-term due to lower landings and revenues and higher fishing costs caused by the decline in the productivity of the scallop resource, measured by LPUE (landings per unit effort).

Table 167 provides a scenario analysis of the impacts of different levels of general category landings on the landings, revenues, crew and boat shares for limited access vessels compared to

for a total scallop harvest of 50 million pounds. These scenarios provide estimates for a range of prices, landings per day-at-sea (LPUE), and percentage of general category landings in total scallop harvest. The assumptions for each scenario and method of analysis are described in Section 5.4.17.2 below. Since it is not possible to predict if the extent of any potential increase (or decrease) in general category effort in the future, the impacts are analyzed here for range of general category range in total landings of 10% to 40%. As mentioned above, DAS allocations for limited access vessels in the recent management action (Framework 18) were calculated by assuming that general category share in total landings will be around 10% of total landings. Although in recent fishing years (2005-06) general category landings increased above 10%, most of the increase was due to the new entry into the fishery and the landings by vessels that had a permit before the control date still accounted about 10% of total scallop harvest. Table 167 shows how revenues, crew and boat shares for limited access vessels could be affected if general category effort increase above this level and DAS allocations for limited access vessels are reduced to offset the increase in scallop landings by general category fishery.

As last column of the table shows, net boat shares (a proxy for profits) could decline by 17% to 21% if general category landings increase to 20% of total scallop harvest and by more than half if general category landings constitute 40% of total scallop harvest. In the extreme scenario, the profits could entirely disappear if general category landings kept increasing further and DAS allocations for limited access vessels were reduced in order to keep scallop fishing mortality from increasing. Although, this scenario is highly unrealistic at least from a policy perspective, it shows that the negative distributional impacts of uncontrolled capacity in the general category fishery. A limited access program for general category as proposed by this Amendment could prevent to some extent an extreme increase in general category effort and capacity in this fishery when it is combined with 400 lb. possession limit. Under the no action alternative, there is also the possibility that the possession limit for the general category trips could be reduced below 400 pounds to lower the incentives for further expansion in general category effort. Given that the number of trips by general category vessels is not controlled under the present regulations, however, reducing possession limit may not entirely eliminate increase in effort in this fishery.

It is also possible for general category effort to decline in the future if a decrease in scallop prices and/or scallop productivity makes general category trips less profitable. The analyses provided in Section 5.4.17.3 and Section 5.4.17.4 below could also be used to evaluate the change in revenues, crew and boat shares if general category landings declined below 11% of the total scallop landings (Table 181 and Table 182). In general, the relative economic impacts will vary with the level of scallop harvest and percentage share of general category in total landings. For example, if the total scallop harvest is 60 million pounds and general category landings or TAC is larger than 6.0 million pounds, then the limited access DAS allocations would translate into 70 days-fished (Table 181 – Scenario A). If, however, general category landings are 3 million pounds (or 5% of total), then days-fished for limited access vessels could increase to 74 days resulting in increase net boat shares by 10%.

A cost/benefit analysis of the status quo scenarios and of the proposed TAC allocation is conducted in Section 5.4.17.2 below for several scenarios. Overall, short-term and long-term economic impacts on consumer and producer surpluses and total economic benefits are analyzed qualitatively. This is because biological projections are done by assuming that fishing mortality

will be kept at target levels and that limited access allocations will be determined by removing estimated general category landings from total scallop harvest. Section 5.4.17.2 examines, however, the distributional impacts of a TAC allocation on scallop revenues, costs and producer surplus for both the general category and limited access fisheries. If it is assumed that there will be no significant decline in total scallop biomass and yield due to status quo policy of adjusting limited access day-at-sea allocations to counteract an increase in general category effort, total scallop landings and prices would not be significantly different status quo compared to the allocation of TAC as proposed with this Amendment. As a result, there would be no significant change in the consumer surplus. The analyses in Section 5.4.17.2 shows that there would be a small decline in total producer surplus if a higher proportion of scallops are landed by general category fishery rather than by limited access fishery. Although this decline is small, less than 1%, for the range of general category share in total landings (2.5% to 11% of total harvest), an increase in general category effort significantly above 11% could lead to a higher reduction in producer surplus. As a result, total economic benefits, that is, the sum of consumer and producer surpluses, could decline both in the short- and in the long-term depending on the increase in fishing mortality due to general category effort. In addition, an unexpected increase in general category effort in the short-term could accentuate these negative impacts since it may not be possible to adjust limited access allocations right away to prevent an increase in fishing mortality. These analyses assume, however, that the increase in general category effort will lead to decline day-at-sea allocations for limited access vessels in order to keep mortality at sustainable levels. If instead, general category landings could be successfully reduced by lowering the possession limit below 400 pounds, the impacts on limited access vessels could be negligible. Given that the number of trips by general category vessels is not controlled under the present regulations, reducing possession limit may not entirely eliminate, however, the increase in fishing mortality from the general category landings. Under no action, that is, in the absence of a management action to adjust limited access allocations to counteract an increase in mortality due to general category landings, the negative impacts on consumer and producer surpluses and total economic benefits would be magnified (See also Section 5.4.2 and Section 5.4.5).

Table 167. Impacts of increase in general category effort and landings on limited access vessels.

Total Scallop harvest (mill.)	% of landings by general category fishery	Total landings by general category	Limited access landings (mill.)	Landings per vessel (lb.)	DAS-used per vessel	Revenue per vessel (\$)	Trips costs per vessel (\$)	Crew income net of trip costs (\$)	Boat share (\$)	Boat share net of fixed costs (\$)	% change in net boat share (compare with 11% GC-TAC)
Scenario A: Assuming scallop price=\$8.30 per pound, LPUE=2300 per day-at-sea used, 334 full-time equivalent vessels, fixed costs of \$175,150, trip costs of 1,170 per day-at-sea											
50	40%	20.0	30.0	89,820	39	745,509	45,691	364,339	335,479	160,329	-51%
50	30%	15.0	35.0	104,790	46	869,760	53,306	425,062	391,392	216,242	-34%
50	20%	10.0	40.0	119,760	52	994,012	60,922	485,785	447,305	272,155	-17%
50	15%	7.5	42.5	127,246	55	1,056,138	64,729	516,147	475,262	300,112	-9%
50	10%	5.0	45.0	134,731	59	1,118,263	68,537	546,508	503,219	328,069	0%
Scenario B: Assuming scallop price=\$6.00 per pound, LPUE=1800 per day-at-sea used, 334 full-time equivalent vessels, fixed costs of \$175,150, trip costs of 1,170 per day-at-sea											
50	40%	20.0	30.0	89,820	50	538,922	58,383	238,024	242,515	67,365	-64%
50	30%	15.0	35.0	104,790	58	628,743	68,114	277,695	282,934	107,784	-43%
50	20%	10.0	40.0	119,760	67	718,563	77,844	317,365	323,353	148,203	-21%
50	15%	7.5	42.5	127,246	71	763,473	82,710	337,201	343,563	168,413	-11%
50	10%	5.0	45.0	134,731	75	808,383	87,575	357,036	363,772	188,622	0%

5.4.17.2 Overall economic impacts TAC allocation on the general category and limited access fleets

According to the alternative described in Section 3.1.7.2, a proportion of the total available scallop harvest would be allocated to the general category fishery ranging from 2.5% to 11%. Then the TAC for general category fishery will be determined by applying the percent share to the overall expected scallop yield. The allocations for the limited access fishery will be determined by subtracting general category's share (or TAC) from the overall scallop yield. Therefore, this alternative will have opposite economic impacts on general category and the limited access vessels, since the higher the share of general category fishery, the lower will be the share of the limited access vessels in total scallop landings. This section examines the overall economic impacts of allocation on general category and limited access fleets. The next section will examine the economic impacts on individual vessels in these fisheries.

The economic impacts are examined for scallop harvest levels ranging from 40 million lb. to 70 million lb. of scallops. The biological simulations for the next 11 years indicated that sustainable scallop yield could vary between 56 million lb. (for 2008 fishing year) to 68 million lb. (for 2015 fishing year, Table 97), but levels less than these amounts (40 to 50 million lb.) were also included in this analysis to evaluate impacts in less favorable scallop resource conditions. Prices, revenues, trip costs and producer surplus corresponding to each TAC level are estimated as follows:

- The prices are estimated using the price model presented in Appendix 5.4.23, which takes into account the impacts of changes in meat count, domestic landings, exports, income of consumers, and composition of landings by market category (i.e., size of scallops) including a price premium on under count 10 scallops. There has been significant variability in the scallop prices during the recent years due to changes in the import prices (related also to changes in the value of dollar), in composition of landings toward larger

scallops, and in the volume of exports among many other factors. For example, the scallop prices increased to \$7.60 during the 2005 fishing year from \$4.85 per pound in 2004 due to many factors including the increase in size of scallops landed, a surge in exports from 16.8 million lb. to 25 million lb. and an increase in import prices from about \$3.30 per lb. to \$5.10 per lb.. This increase in scallop prices did not continue in 2006, however, as the prices dropped to about \$6.25 per pound as both landings and scallop import prices declined (\$4.15 per lb. in 2006). Thus, there is a lot of uncertainty regarding future scallop prices due to the unpredictability of the factors that have an impact on price.

- Since it is beyond the scope of this analysis to predict the future import prices, exports, composition of scallops by market category, or changes in the consumer preferences and income, ex-vessel prices are calculated for two different scenarios to provide a range of estimates with various values for these variables. Scenario A assumes that both the import prices and the exports will remain at the recent levels, of \$4.15 per lb., and 25 million lb. annually. This scenario also assumes that the size composition of scallops will be similar to the levels predicted for 2008 fishing year from the biological model. Scenario B provides a less optimistic scenario by assuming that import prices and exports will revert back to the previous levels of \$3.50 per pound, and 10 million lb. per year. It furthermore assumes that the size distribution of scallops will be similar for what is predicted for 2007 fishing year, with smaller scallops landed compared to Scenario A.. Both scenarios assume that there will be no changes in the consumer preferences for scallops compared to the recent levels. Scenario A results in higher prices for scallops compared to Scenario B in all cases.
- Day-at-sea used per full-time vessel corresponding to each level of TAC is estimated by dividing average landings per vessel with landings per-day-at-sea (LPUE) estimates from the biological model. Scenario A assumes that LPUE will be 2,300 lb. per day-at-sea, which is about the average LPUE from biological projections for fishing 2008 to 2009 (Table 181). If overfishing of the scallop resource is prevented, LPUE could vary between 2,300 lb. to 2,450 lb. over the long-term (2009-2017, Table 97). Scenario B assumes, however, that LPUE will be less, at 1,800 lb. per day-at-sea, corresponding to what is projected for the 2007 fishing year (Table 182).
- Average trip costs per day-at-sea were \$1094 for limited access vessels in 2005 according to the observer cost data for scallop vessels. These costs include food, ice, water, oil and fuel, and are usually paid by crew in the scallop fishery out of their shares from the gross stock. The cost estimates are adjusted for the increase in prices in 2006 using the change in the producer price index relative to 2005 (increased by 6.7%). With this adjustment, average trip costs per day-at-sea are estimated to be \$1,170 for limited access vessels. For general category vessels, average trip costs are estimated to be \$350 per day-at-sea. Actual trip costs will vary from these averages for each vessel according to the vessel's gross tonnage, horsepower, number of crew, and the fuel costs, length of trip, area and season fished. Annual trip costs per vessel are estimated by multiplying trip costs per day-at-sea with the day-at-sea used.

Table 168 to Table 171 shows the distributional impacts of various percentages of TAC allocations for general category on both general category and limited access fisheries. Landings and revenues for each percent of general category TAC are compared to the upper bound of

11%, which is close to the status quo level. According to Framework 18, the allocations for limited access vessels were determined by assuming that general category landings will constitute 11% of total scallop landings in 2006, and about 10% of total scallop landings in the 2007 fishing year. If general category is allocated at 2.5% of total scallop harvest, scallop landings and revenues for this fishery as whole and also for an average vessel could decline by 77% , whereas that of the limited access fishery could increase by 10% compared to an 11% TAC allocation for the general category fishery. In other words, a lower TAC for general category will have larger negative proportional impacts on general category vessels due to the lower volume of scallop landings by general category compared to landings by limited access fishery. Although, general category vessels have lower catch rates compared to limited access vessels, allocating a smaller percentage of scallop harvest to these vessels does not result in a significant increase (less than 1%) in total producer surplus, defined as gross revenue net of variable costs, for the range of impacts examined here. This is because general category vessels tend to be smaller vessels with lower trip costs per day-at-sea.

Overall short-term and long-term economic impacts of TAC allocation between the limited access and general category vessels are expected to be positive on total economic benefits, although these impacts could not be estimated quantitatively. This is because biological projections are done by assuming that fishing mortality will be kept at target levels and that limited access allocations will be determined by removing estimated general category landings from total scallop harvest. In other words, it is assumed that there will be no significant decline in total scallop biomass and yield due to this status quo policy of adjusting limited access day-at-sea allocations to counteract an increase in general category effort. As a result, total scallop landings and prices, thus the consumer surplus, would not be significantly different under no action/status quo compared to the allocation of TAC as proposed with this Amendment. The analyses in this section show, however, that there would be a small increase in total producer surplus if a higher proportion of scallops are landed by limited access fishery rather than by general category fishery (Table 181 and Table 182). Although this increase is small (less than 1%) for the range of percentage TAC examined here (2.5% to 11% of total harvest), the proposed action would prevent a further reduction in producer surplus from a significant increase in general category effort above 11%. Therefore, total economic benefits, that is, the sum of consumer and producer surpluses, are expected to be positive compared to no action/status quo scenarios both in the short- and long-term. These analyses assume, however, that the increase in general category effort will lead to decline in day-at-sea allocations for limited access vessels under the no action/status quo scenario. If instead, general category landings could be successfully reduced by lowering the possession limit below 400 pounds, the impacts on limited access vessels would be negligible. On the other hand, the number of trips by general category vessels is not controlled under the present regulations; therefore, it may not be possible to entirely eliminate the increase in the general category landings by reducing possession limit.

Table 168. Impacts of allocation on landings and revenues of the general category and limited access fleets (Scenario A)

Total Scallop TAC (Million lb.)	GC TAC as a % of Total TAC	General category TAC (lb.)	Limited access TAC (landings, lb.)	Ex-vessel Price	Total scallop revenue			% Change in landings and revenue compared to 11% for GC TAC		
					General category	Limited access	Total	Limited access	General category	Total change
40	2.50%	1.0	39.0	9.45	9.5	368.5	378.0	10%	-77%	0%
40	5%	2.0	38.0	9.45	18.9	359.1	378.0	7%	-55%	0%
40	7%	2.8	37.2	9.45	26.5	351.5	378.0	4%	-36%	0%
40	10%	4.0	36.0	9.45	37.8	340.2	378.0	1%	-9%	0%
40	11%	4.4	35.6	9.45	41.6	336.4	378.0	0%	0%	0%
50	2.50%	1.3	48.8	8.30	10.4	404.6	415.0	10%	-77%	0%
50	5%	2.5	47.5	8.30	20.8	394.2	415.0	7%	-55%	0%
50	7%	3.5	46.5	8.30	29.0	386.0	415.0	4%	-36%	0%
50	10%	5.0	45.0	8.30	41.5	373.5	415.0	1%	-9%	0%
50	11%	5.5	44.5	8.30	45.7	369.3	415.0	0%	0%	0%
60	2.50%	1.5	58.5	6.90	10.3	403.7	414.0	10%	-77%	0%
60	5%	3.0	57.0	6.90	20.7	393.3	414.0	7%	-55%	0%
60	7%	4.2	55.8	6.90	29.0	385.0	414.0	4%	-36%	0%
60	10%	6.0	54.0	6.90	41.4	372.6	414.0	1%	-9%	0%
60	11%	6.6	53.4	6.90	45.5	368.5	414.0	0%	0%	0%
70	2.50%	1.8	68.3	5.50	9.6	375.4	385.0	10%	-77%	0%
70	5%	3.5	66.5	5.50	19.3	365.7	385.0	7%	-55%	0%
70	7%	4.9	65.1	5.50	27.0	358.0	385.0	4%	-36%	0%
70	10%	7.0	63.0	5.50	38.5	346.5	385.0	1%	-9%	0%
70	11%	7.7	62.3	5.50	42.3	342.7	385.0	0%	0%	0%

Table 169. Impacts of allocation on costs and producer surplus by permit category (Scenario A, higher prices, LPUE=2300 lb.)

Total Scallop TAC (Million lb.)	GC TAC as a % of Total TAC	General category TAC (lb.)	Limited access TAC (landings, lb.)	Trip costs		Producer Surplus			
				General category	Limited access	General category	Limited access	Total	% Change compared to 11% TAC
40	2.50%	1.0	39.0	0.88	19.8	8.6	348.7	357.3	0.3%
40	5%	2.0	38.0	1.75	19.3	17.2	339.8	356.9	0.2%
40	7%	2.8	37.2	2.45	18.9	24.0	332.6	356.6	0.2%
40	10%	4.0	36.0	3.50	18.3	34.3	321.9	356.2	0.0%
40	11%	4.4	35.6	3.85	18.1	37.7	318.3	356.0	0.0%
50	2.50%	1.3	48.8	1.09	24.8	9.3	379.8	389.1	0.4%
50	5%	2.5	47.5	2.19	24.2	18.6	370.1	388.6	0.3%
50	7%	3.5	46.5	3.06	23.7	26.0	362.3	388.3	0.2%
50	10%	5.0	45.0	4.38	22.9	37.1	350.6	387.7	0.0%
50	11%	5.5	44.5	4.81	22.6	40.8	346.7	387.6	0.0%
60	2.50%	1.5	58.5	1.31	29.8	9.0	373.9	382.9	0.5%
60	5%	3.0	57.0	2.63	29.0	18.1	364.3	382.4	0.3%
60	7%	4.2	55.8	3.68	28.4	25.3	356.6	381.9	0.2%
60	10%	6.0	54.0	5.25	27.5	36.2	345.1	381.3	0.1%
60	11%	6.6	53.4	5.78	27.2	39.8	341.3	381.1	0.0%
70	2.50%	1.8	68.3	1.53	34.7	8.1	340.7	348.8	0.6%
70	5%	3.5	66.5	3.06	33.8	16.2	331.9	348.1	0.4%
70	7%	4.9	65.1	4.29	33.1	22.7	324.9	347.6	0.3%
70	10%	7.0	63.0	6.13	32.0	32.4	314.5	346.8	0.1%
70	11%	7.7	62.3	6.74	31.7	35.6	311.0	346.6	0.0%

**Table 170. Impacts of allocation on landings and revenues of the general category and limited access fleets
(Scenario B: lower prices)**

Total Scallop TAC (Million lb.)	GC TAC as a % of Total TAC	General category TAC (lb.)	Limited access TAC (landings, lb.)	Ex-vessel Price	Total scallop revenue			% Change in revenue compared to 11% for GC TAC		
					General category	Limited access	Total	General category	Limited access	Limited access
40	2.50%	1.0	39.0	7.70	7.7	300.3	308.0	-77%	10%	0%
40	5%	2.0	38.0	7.70	15.4	292.6	308.0	-55%	7%	0%
40	7%	2.8	37.2	7.70	21.6	286.4	308.0	-36%	4%	0%
40	10%	4.0	36.0	7.70	30.8	277.2	308.0	-9%	1%	0%
40	11%	4.4	35.6	7.70	33.9	274.1	308.0	0%	0%	0%
50	2.50%	1.3	48.8	6.00	7.5	292.5	300.0	-77%	10%	0%
50	5%	2.5	47.5	6.00	15.0	285.0	300.0	-55%	7%	0%
50	7%	3.5	46.5	6.00	21.0	279.0	300.0	-36%	4%	0%
50	10%	5.0	45.0	6.00	30.0	270.0	300.0	-9%	1%	0%
50	11%	5.5	44.5	6.00	33.0	267.0	300.0	0%	0%	0%
60	2.50%	1.5	58.5	4.80	7.2	280.8	288.0	-77%	10%	0%
60	5%	3.0	57.0	4.80	14.4	273.6	288.0	-55%	7%	0%
60	7%	4.2	55.8	4.80	20.2	267.8	288.0	-36%	4%	0%
60	10%	6.0	54.0	4.80	28.8	259.2	288.0	-9%	1%	0%
60	11%	6.6	53.4	4.80	31.7	256.3	288.0	0%	0%	0%
70	2.50%	1.8	68.3	3.80	6.7	259.4	266.0	-77%	10%	0%
70	5%	3.5	66.5	3.80	13.3	252.7	266.0	-55%	7%	0%
70	7%	4.9	65.1	3.80	18.6	247.4	266.0	-36%	4%	0%
70	10%	7.0	63.0	3.80	26.6	239.4	266.0	-9%	1%	0%
70	11%	7.7	62.3	3.80	29.3	236.7	266.0	0%	0%	0%

Table 171. Impacts of allocation on landings and revenues of the general category and limited access fleets (Scenario B, Lower prices, LPUE=1800 lb.)

Total Scallop TAC (Million lb.)	GC TAC as a % of Total TAC	General category TAC (lb.)	Limited access TAC (landings, lb.)	Trip costs		Producer Surplus			
				General category	Limited access	General category	Limited access	Total	% Change compared to 11% TAC
40	2.50%	1.0	39.0	0.88	25.4	6.8	275.0	281.8	0.3%
40	5%	2.0	38.0	1.75	24.7	13.7	267.9	281.6	0.2%
40	7%	2.8	37.2	2.45	24.2	19.1	262.3	281.4	0.1%
40	10%	4.0	36.0	3.50	23.4	27.3	253.8	281.1	0.0%
40	11%	4.4	35.6	3.85	23.1	30.0	251.0	281.0	0.0%
50	2.50%	1.3	48.8	1.09	31.7	6.4	260.8	267.2	0.4%
50	5%	2.5	47.5	2.19	30.9	12.8	254.1	266.9	0.3%
50	7%	3.5	46.5	3.06	30.2	17.9	248.8	266.7	0.2%
50	10%	5.0	45.0	4.38	29.3	25.6	240.8	266.4	0.0%
50	11%	5.5	44.5	4.81	28.9	28.2	238.1	266.3	0.0%
60	2.50%	1.5	58.5	1.31	38.0	5.9	242.8	248.7	0.5%
60	5%	3.0	57.0	2.63	37.1	11.8	236.6	248.3	0.3%
60	7%	4.2	55.8	3.68	36.3	16.5	231.6	248.1	0.2%
60	10%	6.0	54.0	5.25	35.1	23.6	224.1	247.7	0.1%
60	11%	6.6	53.4	5.78	34.7	25.9	221.6	247.5	0.0%
70	2.50%	1.8	68.3	1.53	44.4	5.1	215.0	220.1	0.6%
70	5%	3.5	66.5	3.06	43.2	10.2	209.5	219.7	0.4%
70	7%	4.9	65.1	4.29	42.3	14.3	205.1	219.4	0.3%
70	10%	7.0	63.0	6.13	41.0	20.5	198.5	218.9	0.1%
70	11%	7.7	62.3	6.74	40.5	22.5	196.2	218.8	0.0%

5.4.17.3 Impacts on general category vessels

The following tables show the impacts of the range of percentage TAC on average allocation per general category vessel for each qualification criteria. TAC management could have negative economic impacts on general category vessels to the extent that it is different from the historical levels and/or from the level of scallop landings in recent years. These impacts will not be uniform among the qualifying vessels, however, and will vary according to the qualification criteria and qualification period alternatives. Clearly, the number of qualifiers will decline and average allocation per vessel will increase as qualification poundage criteria increases and length of qualification period shortens (Table 172). The impact of 5000 pound criteria on the number of qualifying vessels, and average pounds per vessel is larger as compared to impacts of a shorter period.

The allocations for individual vessels will vary from these averages as shown in Table 175 and Table 177. General category vessels are shown in 3 groups in these tables according to their best year scallops landings during the qualification period. These groups also corresponds to three tiers proposed by alternative 3.1.2.4.3, with tier-3 including vessels with 20,000 lb. or more landings and tier-1 those with scallop landings of less than 5000 lb. Similarly, tier-3 includes vessels with full-time permits and tiers 1 and 2 include vessels with part-time permits as proposed by alternative 3.1.2.4.2. Although, a lower % TAC for general category will reduce the allocations per vessel in the same proportion, the absolute impacts as measured in terms of pounds of scallops will be larger for vessels that land scallops in larger volumes and depend on

scallop fishing for main source of their revenue. For example, for 62 vessels with historical landings of 20,000 or more scallops, a 2.5% TAC will reduce their average allocation to 11,508 lb. with 1000 lb. criteria and 5 year qualification period, from 48,688 lb. with 11% TAC, a decline of more than 37,000 lb. (Table 175). The 181 vessels that landed less than 5000 lb. during the same period will have their allocations reduced by about 3,400 lb. if a 2.5 % TAC is applied (1,096 lb.) instead of an 11% TAC (4,489 lb. Table 177).

Table 172. Average scallop pounds per vessel by percentage of scallop harvest allocated to general category fishery

Total scallop harvest (Million lb.)	General category TAC as a % of total harvest	GC TAC (Mil. lb.)	11 Year period			5 year period				2 year period		
			100 lb. Criteria (705 vessels)	1000 lb. Criteria (459 vessels)	5000 lb. Criteria (203 vessels)	Stand alone-ITQ (677 vessels)	100 lb. criteria (548 vessels)	1000 lb. Criteria (369 vessels)	5000 lb. Criteria (188 vessels)	100 lb. Criteria (399 vessels)	1000 lb. Criteria (277 vessels)	5000 lb. Criteria (143 vessels)
40	2.50%	1.0	1,418	2,179	4,926	1,477	1,825	2,710	5,319	2,506	3,610	6,993
40	5%	2.0	2,837	4,357	9,852	2,954	3,650	5,420	10,638	5,013	7,220	13,986
40	7%	2.8	3,972	6,100	13,793	4,136	5,109	7,588	14,894	7,018	10,108	19,580
40	10%	4.0	5,674	8,715	19,704	5,908	7,299	10,840	21,277	10,025	14,440	27,972
40	11%	4.4	6,241	9,586	21,675	6,499	8,029	11,924	23,404	11,028	15,884	30,769
50	2.50%	1.3	1,773	2,723	6,158	1,846	2,281	3,388	6,649	3,133	4,513	8,741
50	5%	2.5	3,546	5,447	12,315	3,693	4,562	6,775	13,298	6,266	9,025	17,483
50	7%	3.5	4,965	7,625	17,241	5,170	6,387	9,485	18,617	8,772	12,635	24,476
50	10%	5.0	7,092	10,893	24,631	7,386	9,124	13,550	26,596	12,531	18,051	34,965
50	11%	5.5	7,801	11,983	27,094	8,124	10,036	14,905	29,255	13,784	19,856	38,462
60	2.50%	1.5	2,128	3,268	7,389	2,216	2,737	4,065	7,979	3,759	5,415	10,490
60	5%	3.0	4,255	6,536	14,778	4,431	5,474	8,130	15,957	7,519	10,830	20,979
60	7%	4.2	5,957	9,150	20,690	6,204	7,664	11,382	22,340	10,526	15,162	29,371
60	10%	6.0	8,511	13,072	29,557	8,863	10,949	16,260	31,915	15,038	21,661	41,958
60	11%	6.6	9,362	14,379	32,512	9,749	12,044	17,886	35,106	16,541	23,827	46,154
70	2.50%	1.8	2,482	3,813	8,621	2,585	3,193	4,743	9,309	4,386	6,318	12,238
70	5%	3.5	4,965	7,625	17,241	5,170	6,387	9,485	18,617	8,772	12,635	24,476
70	7%	4.9	6,950	10,675	24,138	7,238	8,942	13,279	26,064	12,281	17,690	34,266
70	10%	7.0	9,929	15,251	34,483	10,340	12,774	18,970	37,234	17,544	25,271	48,951
70	11%	7.7	10,922	16,776	37,931	11,374	14,051	20,867	40,957	19,298	27,798	53,846

Table 173. Average scallop revenue per vessel by percentage of scallop harvest allocated to general category fishery (Scenario A, higher prices)

Total scallop harvest (Million lb.)	General category TAC as a % of total harvest	GC TAC (Mil. lb.)	11 Year period			5 year period				2 year period		
			100 lb. Criteria (705 vessels)	1000 lb. Criteria (459 vessels)	5000 lb. Criteria (203 vessels)	Stand alone-ITQ (677 vessels)	100 lb. criteria (548 vessels)	1000 lb. Criteria (369 vessels)	5000 lb. Criteria (188 vessels)	100 lb. Criteria (399 vessels)	1000 lb. Criteria (277 vessels)	5000 lb. Criteria (143 vessels)
40	2.50%	1.0	13,400	20,592	46,551	13,958	17,246	25,610	50,265	23,682	34,115	66,084
40	5%	2.0	26,810	41,174	93,101	27,915	34,493	51,219	100,529	47,373	68,229	132,168
40	7%	2.8	37,535	57,645	130,344	39,085	48,280	71,707	140,748	66,320	95,521	185,031
40	10%	4.0	53,619	82,357	186,203	55,831	68,976	102,438	201,068	94,736	136,458	264,335
40	11%	4.4	58,977	90,588	204,829	61,416	75,874	112,682	221,168	104,215	150,104	290,767
50	2.50%	1.3	14,716	22,601	51,111	15,322	18,932	28,120	55,187	26,004	37,458	72,550
50	5%	2.5	29,432	45,210	102,215	30,652	37,865	56,233	110,373	52,008	74,908	145,109
50	7%	3.5	41,210	63,288	143,100	42,911	53,012	78,726	154,521	72,808	104,871	203,151
50	10%	5.0	58,864	90,412	204,437	61,304	75,729	112,465	220,747	104,007	149,823	290,210
50	11%	5.5	64,748	99,459	224,880	67,429	83,299	123,712	242,817	114,407	164,805	319,235
60	2.50%	1.5	14,683	22,549	50,984	15,290	18,885	28,049	55,055	25,937	37,364	72,381
60	5%	3.0	29,360	45,098	101,968	30,574	37,771	56,097	110,103	51,881	74,727	144,755
60	7%	4.2	41,103	63,135	142,761	42,808	52,882	78,536	154,146	72,629	104,618	202,660
60	10%	6.0	58,726	90,197	203,943	61,155	75,548	112,194	220,214	103,762	149,461	289,510
60	11%	6.6	64,598	99,215	224,333	67,268	83,104	123,413	242,231	114,133	164,406	318,463
70	2.50%	1.8	13,651	20,972	47,416	14,218	17,562	26,087	51,200	24,123	34,749	67,309
70	5%	3.5	27,308	41,938	94,826	28,435	35,129	52,168	102,394	48,246	69,493	134,618
70	7%	4.9	38,225	58,713	132,759	39,809	49,181	73,035	143,352	67,546	97,295	188,463
70	10%	7.0	54,610	83,881	189,657	56,870	70,257	104,335	204,787	96,492	138,991	269,231
70	11%	7.7	60,071	92,268	208,621	62,557	77,281	114,769	225,264	106,139	152,889	296,153

Table 174. Average scallop revenue per vessel by percentage of scallop harvest allocated to general category fishery (Scenario B, lower prices)

Total scallop harvest (Million lb.)	General category TAC as a % of total harvest	GC TAC (Mil. lb.)	11 Year period			5 year period				2 year period		
			100 lb. Criteria (705 vessels)	1000 lb. Criteria (459 vessels)	5000 lb. Criteria (203 vessels)	Stand alone-ITQ (677 vessels)	100 lb. criteria (548 vessels)	1000 lb. Criteria (369 vessels)	5000 lb. Criteria (188 vessels)	100 lb. Criteria (399 vessels)	1000 lb. Criteria (277 vessels)	5000 lb. Criteria (143 vessels)
40	2.50%	1.0	10,919	16,778	37,930	11,373	14,053	20,867	40,956	19,296	27,797	53,846
40	5%	2.0	21,845	33,549	75,860	22,746	28,105	41,734	81,913	38,600	55,594	107,692
40	7%	2.8	30,584	46,970	106,206	31,847	39,339	58,428	114,684	54,039	77,832	150,766
40	10%	4.0	43,690	67,106	151,721	45,492	56,202	83,468	163,833	77,193	111,188	215,384
40	11%	4.4	48,056	73,812	166,898	50,042	61,823	91,815	180,211	84,916	122,307	236,921
50	2.50%	1.3	10,638	16,338	36,948	11,076	13,686	20,328	39,894	18,798	27,078	52,446
50	5%	2.5	21,276	32,682	73,890	22,158	27,372	40,650	79,788	37,596	54,150	104,898
50	7%	3.5	29,790	45,750	103,446	31,020	38,322	56,910	111,702	52,632	75,810	146,856
50	10%	5.0	42,552	65,358	147,786	44,316	54,744	81,300	159,576	75,186	108,306	209,790
50	11%	5.5	46,806	71,898	162,564	48,744	60,216	89,430	175,530	82,704	119,136	230,772
60	2.50%	1.5	10,214	15,686	35,467	10,637	13,138	19,512	38,299	18,043	25,992	50,352
60	5%	3.0	20,424	31,373	70,934	21,269	26,275	39,024	76,594	36,091	51,984	100,699
60	7%	4.2	28,594	43,920	99,312	29,779	36,787	54,634	107,232	50,525	72,778	140,981
60	10%	6.0	40,853	62,746	141,874	42,542	52,555	78,048	153,192	72,182	103,973	201,398
60	11%	6.6	44,938	69,019	156,058	46,795	57,811	85,853	168,509	79,397	114,370	221,539
70	2.50%	1.8	9,432	14,489	32,760	9,823	12,133	18,023	35,374	16,667	24,008	46,504
70	5%	3.5	18,867	28,975	65,516	19,646	24,271	36,043	70,745	33,334	48,013	93,009
70	7%	4.9	26,410	40,565	91,724	27,504	33,980	50,460	99,043	46,668	67,222	130,211
70	10%	7.0	37,730	57,954	131,035	39,292	48,541	72,086	141,489	66,667	96,030	186,014
70	11%	7.7	41,504	63,749	144,138	43,221	53,394	79,295	155,637	73,332	105,632	204,615

Table 175. Average scallop pounds per vessel for limited access qualifiers with 20,000 lb. or more scallop landings from best year (or Tier 1)

Total scallop harvest (Million lb.)	General category TAC as a % of total harvest	GC TAC (Mil. lb.)	11 Year period			5 year period				2 year period			
			100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria	Stand alone-ITQ	100 lb. criteria	1000 lb. Criteria	5000 lb. Criteria	100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria	
			62 vessels	62 vessels	62 vessels	62 vessels	62 vessels	62 vessels	62 vessels	62 vessels	44 vessels	44 vessels	44 vessels
			% share= 49.7%	% share= 50.9%	% share= 59.1%	% share= 53.6%	% share= 53.8%	% share= 54.9%	% share= 61.4%	% share= 51.1%	% share= 52.0%	% share= 58.1%	
40	2.50%	1.0	8,015	8,209	9,537	8,647	8,674	8,852	9,898	11,603	11,827	13,208	
40	5%	2.0	16,029	16,417	19,074	17,294	17,348	17,705	19,795	23,207	23,655	26,415	
40	7%	2.8	22,441	22,984	26,703	24,211	24,288	24,787	27,713	32,489	33,117	36,981	
40	10%	4.0	32,059	32,834	38,147	34,588	34,697	35,410	39,590	46,413	47,310	52,830	
40	11%	4.4	35,265	36,118	41,962	38,047	38,166	38,951	43,549	51,055	52,041	58,113	
50	2.50%	1.3	10,419	10,671	12,398	11,241	11,276	11,508	12,867	15,084	15,376	17,170	
50	5%	2.5	20,037	20,522	23,842	21,617	21,685	22,131	24,744	29,008	29,569	33,019	
50	7%	3.5	28,052	28,730	33,379	30,264	30,360	30,983	34,641	40,612	41,396	46,226	
50	10%	5.0	40,074	41,043	47,684	43,235	43,371	44,262	49,488	58,017	59,137	66,038	
50	11%	5.5	44,081	45,147	52,452	47,558	47,708	48,688	54,436	63,818	65,051	72,642	
60	2.50%	1.5	12,022	12,313	14,305	12,970	13,011	13,279	14,846	17,405	17,741	19,811	
60	5%	3.0	24,044	24,626	28,610	25,941	26,023	26,557	29,693	34,810	35,482	39,623	
60	7%	4.2	33,662	34,476	40,055	36,317	36,432	37,180	41,570	48,734	49,675	55,472	
60	10%	6.0	48,088	49,252	57,221	51,882	52,045	53,114	59,385	69,620	70,964	79,245	
60	11%	6.6	52,897	54,177	62,943	57,070	57,250	58,426	65,324	76,582	78,061	87,170	
70	2.50%	1.8	14,427	14,776	17,166	15,565	15,614	15,934	17,816	20,886	21,289	23,774	
70	5%	3.5	28,052	28,730	33,379	30,264	30,360	30,983	34,641	40,612	41,396	46,226	
70	7%	4.9	39,272	40,222	46,730	42,370	42,504	43,377	48,498	56,856	57,954	64,717	
70	10%	7.0	56,103	57,460	66,758	60,529	60,719	61,967	69,283	81,223	82,792	92,453	
70	11%	7.7	61,714	63,206	73,433	66,582	66,791	68,163	76,211	89,345	91,071	101,698	

Table 176. Average scallop pounds per vessel for limited access qualifiers with scallop landings of 5000 lb. to 19,999 lb. from best year (or Tier 2)

Total scallop harvest (Million lb.)	General category TAC as a % of total harvest	GC TAC (Mil. lb.)	11 Year period			5 year period				2 year period		
			100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria	Stand alone-ITQ	100 lb. criteria	1000 lb. Criteria	5000 lb. Criteria	100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria
			141 vessels	141 vessels	141 vessels	126 vessels	126 vessels	126 vessels	126 vessels	99 vessels	99 vessels	99 vessels
			% share=	% share=	% share=	% share=	% share=	% share=	% share=	% share=	% share=	% share=
			34.3%	35.2%	40.9%	33.8%	33.9%	34.6%	38.6%	36.8%	37.5%	41.9%
40	2.50%	1.0	2,436	2,495	2,898	2,679	2,687	2,742	3,066	3,717	3,789	4,231
40	5%	2.0	4,872	4,990	5,797	5,358	5,375	5,485	6,132	7,434	7,577	8,461
40	7%	2.8	6,820	6,985	8,116	7,501	7,524	7,679	8,585	10,407	10,608	11,846
40	10%	4.0	9,743	9,979	11,594	10,715	10,749	10,970	12,265	14,867	15,154	16,923
40	11%	4.4	10,718	10,977	12,753	11,787	11,824	12,067	13,491	16,354	16,670	18,615
50	2.50%	1.3	3,167	3,243	3,768	3,482	3,493	3,565	3,986	4,832	4,925	5,500
50	5%	2.5	6,090	6,237	7,246	6,697	6,718	6,856	7,666	9,292	9,471	10,577
50	7%	3.5	8,526	8,732	10,145	9,376	9,405	9,599	10,732	13,009	13,260	14,807
50	10%	5.0	12,179	12,474	14,492	13,394	13,436	13,712	15,331	18,584	18,943	21,153
50	11%	5.5	13,397	13,721	15,942	14,733	14,780	15,084	16,864	20,442	20,837	23,269
60	2.50%	1.5	3,654	3,742	4,348	4,018	4,031	4,114	4,599	5,575	5,683	6,346
60	5%	3.0	7,308	7,484	8,695	8,036	8,062	8,227	9,199	11,150	11,366	12,692
60	7%	4.2	10,231	10,478	12,174	11,251	11,287	11,518	12,878	15,611	15,912	17,769
60	10%	6.0	14,615	14,969	17,391	16,073	16,124	16,455	18,397	22,301	22,732	25,384
60	11%	6.6	16,077	16,466	19,130	17,680	17,736	18,100	20,237	24,531	25,005	27,923
70	2.50%	1.8	4,385	4,491	5,217	4,822	4,837	4,936	5,519	6,690	6,819	7,615
70	5%	3.5	8,526	8,732	10,145	9,376	9,405	9,599	10,732	13,009	13,260	14,807
70	7%	4.9	11,936	12,225	14,202	13,126	13,168	13,438	15,025	18,212	18,564	20,730
70	10%	7.0	17,051	17,464	20,289	18,752	18,811	19,197	21,464	26,018	26,520	29,615
70	11%	7.7	18,756	19,210	22,318	20,627	20,692	21,117	23,610	28,619	29,172	32,576

Table 177. Average scallop pounds per vessel for limited access qualifiers with scallop landings of less than 5000 lb. from best year (or Tier 2)

Total scallop harvest (Million lb.)	General category TAC as a % of total harvest	GC TAC (Mil. lb.)	11 Year period			5 year period				2 year period		
			100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria	Stand alone-ITQ	100 lb. criteria	1000 lb. Criteria	5000 lb. Criteria	100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria
			502 vessels	256 vessels	None qualify	489 vessels	360 vessels	181 vessels	None qualify	256 vessels	134 vessels	None qualify
			% share= 16.0%	% share= 13.9%	% share= 0.0%	% share= 12.6%	% share= 12.4%	% share= 10.6%	% share= 0.0%	% share= 12.2%	% share= 10.5%	% share= 0.0%
40	2.50%	1.0	318	544	No allo.	258	343	583	No allo.	475	780	No allo.
40	5%	2.0	636	1,088	No allo.	517	687	1,166	No allo.	950	1,560	No allo.
40	7%	2.8	890	1,524	No allo.	724	962	1,632	No allo.	1,329	2,184	No allo.
40	10%	4.0	1,272	2,177	No allo.	1,034	1,374	2,332	No allo.	1,899	3,121	No allo.
40	11%	4.4	1,399	2,394	No allo.	1,137	1,511	2,565	No allo.	2,089	3,433	No allo.
50	2.50%	1.3	413	707	No allo.	336	446	758	No allo.	617	1,014	No allo.
50	5%	2.5	795	1,360	No allo.	646	859	1,458	No allo.	1,187	1,950	No allo.
50	7%	3.5	1,113	1,905	No allo.	904	1,202	2,041	No allo.	1,662	2,731	No allo.
50	10%	5.0	1,590	2,721	No allo.	1,292	1,717	2,915	No allo.	2,374	3,901	No allo.
50	11%	5.5	1,749	2,993	No allo.	1,421	1,889	3,207	No allo.	2,611	4,291	No allo.
60	2.50%	1.5	477	816	No allo.	388	515	875	No allo.	712	1,170	No allo.
60	5%	3.0	954	1,633	No allo.	775	1,030	1,749	No allo.	1,424	2,340	No allo.
60	7%	4.2	1,336	2,286	No allo.	1,085	1,442	2,449	No allo.	1,994	3,277	No allo.
60	10%	6.0	1,908	3,265	No allo.	1,550	2,060	3,498	No allo.	2,849	4,681	No allo.
60	11%	6.6	2,099	3,592	No allo.	1,705	2,267	3,848	No allo.	3,134	5,149	No allo.
70	2.50%	1.8	572	980	No allo.	465	618	1,049	No allo.	855	1,404	No allo.
70	5%	3.5	1,113	1,905	No allo.	904	1,202	2,041	No allo.	1,662	2,731	No allo.
70	7%	4.9	1,558	2,667	No allo.	1,266	1,683	2,857	No allo.	2,326	3,823	No allo.
70	10%	7.0	2,226	3,809	No allo.	1,809	2,404	4,081	No allo.	3,324	5,461	No allo.
70	11%	7.7	2,449	4,190	No allo.	1,990	2,644	4,489	No allo.	3,656	6,007	No allo.

The impacts of percentage TAC alternatives on crew incomes, costs, and vessel shares will vary according to the vessel size and the dependence on scallop revenue as a source of income. The tables in Section 5.4.5.6 provide estimates of revenues, costs, and crew and boat shares corresponding to a range of individual allocation amounts and could be used in conjunction with this section to evaluate the impacts of TAC on the revenues, costs, and crew and boat shares for general category vessels. Table 178 shows crew incomes and boat shares for a typical vessel with a high dependence on general category fishery (93% of its total revenue) and a GRT of less than 50 GRT. All vessels in Tier 1 with scallop landings of more than 20,000 lb. are included in this group. This group of vessels landed an average of 35,000 lb. of scallops during 2005 fishing year (Table 110) as well as during their best year prior to the control date (Table 144). Therefore, 35,000 lb. of scallop landings could be considered as an average status quo level for these vessels. Assuming a scallop harvest of 50 million pounds, allocation for this group would be about 10,000 lb at a 2.5% TAC, about 20,000 lb. at 5% TAC, and about 30,000 lb. at 7% TAC (Table 175).

The economic impacts of these allocation pounds on crew income and boat shares are shown in Table 178 as compared to a status quo level of 35,000 lb. of scallops. For example, depending on the prices, an allocation of 10,000 lb. could reduce net boat shares by 98% to 114%, a 20,000 lb. allocation by 59% to 68 % to depending on the scallop prices compared to an allocation of 35,000 lb.

Table 178. Estimated revenues and costs for an average vessel with less than 50 gross tonnage.

Allocation pounds	Number of trips	Annual Scallop Revenue	Total trip costs	Net Revenue (net of trip costs)	Crew income (net of trip costs)	Boat Share (Annual)	% of scallop revenue	Boat share net of fixed costs	% Change in boat share net of fixed costs
Scenario A: 50 million total scallop landings, price \$8.30 per lb.									
10000	25	83,000	7,275	75,725	38,375	37,350	93%	2,034	-98%
20000	50	166,000	14,550	151,450	76,750	74,700	93%	39,384	-59%
30000	75	249,000	21,825	227,175	115,125	112,050	93%	76,734	-20%
35000	88	290,500	25,463	265,037	134,312	130,725	93%	95,409	0%
40000	100	332,000	29,100	302,900	153,500	149,400	93%	114,084	20%
50000	125	415,000	36,376	378,624	191,874	186,750	93%	148,776	56%
Scenario A: 50 million total scallop landings, price \$6.00 per lb.									
10000	25	60,000	7,275	52,725	25,725	27,000	93%	(8,316)	-114%
20000	50	120,000	14,550	105,450	51,450	54,000	93%	18,684	-68%
30000	75	180,000	21,825	158,175	77,175	81,000	93%	45,684	-23%
35000	88	210,000	25,463	184,537	90,037	94,500	93%	59,184	0%
40000	100	240,000	29,100	210,900	102,900	108,000	93%	72,684	23%
50000	125	300,000	36,376	263,624	128,624	135,000	93%	97,026	64%

Notes: Average trip costs per DA=\$291, average fixed costs per vessel=\$37,974 and 93% of the fixed costs are attributed to scallop fishing. Average revenue from other fisheries=\$ 45,452 (2005). Revenue from other species is not included. The number in parentheses shows that there is loss to the vessel.

5.4.17.4 The impacts on limited access vessels

The section discusses the impacts of general category TAC on the landings, revenues, costs, and crew and boat shares for the limited access vessels. The analysis is conducted for an average full-

time vessel. These vessels depend on scallop fishing as the main source of their income, thus are most likely to be affected from the division of available scallop harvest between general category and limited access. The method and the assumptions of this analysis could be summarized as follows:

- It is assumed the number of limited access vessels that participate in the scallop fishery will equal to the number of permits obtained in 2005 fishing year. There were 321 vessels with full-time, 32 vessels with part-time and 6 vessels with occasional permits, totaling 359 vessels, the highest number limited access permits ever obtained since 1994 fishing year. According to the preliminary data, there were 351 vessels that received limited access permits in 2006 fishing year.
- In order to estimate scallop landings per full-time boat, the number of part-time and occasional boats are converted to full-time equivalents by applying their share in allocations with respect to a full-time boat, which are 40% and 8.33% respectively. With this calculation, the number of full-time equivalent boats is estimated to be 334 vessels. Total scallop landings per full-time vessels are estimated by dividing total scallop harvest available for limited access among 334 vessels.
- As explained in Section 5.4.17.2 above, ex-vessel prices are calculated for two different scenarios to provide a range of estimates with various values for these variables.
- Crew incomes are assumed to equal to 55% of the gross stock net of observer costs minus the trip costs. Vessel share is 45% of the gross stock net of observer costs. The lay system could vary from one vessel to another, however, and there could be other costs that are paid by crew or the vessel owner not accounted for in these estimates. Therefore, the absolute values for the estimated crew and vessel incomes should be interpreted with caution and should be used in comparing the results of one scenario versus another.
- The boat shares net of fixed costs are estimated by deducting fixed costs from vessel's share as a proxy for profits. According to the observer data, fixed costs averaged at \$164,151 for the 2002-05 fishing years. Adjusting this for the increase in PPI in 2006, bring this average up to about \$175,150 per full-time vessel. The fixed costs include those expenses that are not usually related to the level of fishing activity or output. These are expenses on insurance, maintenance, repairs and replacement of engine, electrical and processing equipment, gear and other equipment. There are other fixed costs a vessel owner pays, such as for office expenses, interest, accounting, utilities and dock fees. They are not included in fixed costs estimates because the data on these items are not collected by the observer program. Therefore, actual fixed costs could be higher and the vessel shares net of fixed costs could be lower than the estimates shown in Table 181 and Table 182. For these reasons, these numbers should be interpreted with caution and be mainly used for the comparative analyses of the percent TAC alternatives.

Summary of results:

The estimated landings per full-time vessel, prices and revenues are shown in Table 179 for Scenario A and in Table 180 for Scenario B. Scenario A results in higher prices than Scenario B at each level of landings. For example, if overall scallop landings are 50 million lb., the scallop prices could reach \$8.30 if the import prices and exports do not fall below recent levels and the productivity of the scallop resource could increase to include larger scallops. On the other hand, a change in the world scallop markets toward lower prices, a reduction in US exports due to a reduction in competitiveness or a world recession, could bring prices \$6.00 per pound at the same level of domestic landings (50 million lb.). Scallop revenues per full-time vessel could vary from about \$800,000 (\$6.00) with lower prices to about \$1,105,000 with higher prices (\$8.30) if overall harvest was 50 million lb. and 89% of this was allocated to limited access fishery (11% to general category). A 2.5% TAC for general category is estimated to increase DAS-used per limited access vessel by 5 days compared to 11% TAC.

Although the level of revenue per full-time vessel varies with the level of available scallop harvest at the estimated prices as shown in these Tables, the relative impacts of percentage TAC levels on revenues stay the same. As the last column of each of these Tables show, if instead of 11%, 2.5% of the total available scallop harvest was allocated to general category and the remaining 97.5% to the limited access fishery, the estimated revenue per full-time vessel would increase by 10% regardless of the level of scallop harvest or prices.

The impacts of various TAC levels on costs, crew and vessels shares for limited access vessels are analyzed in Table 181 and Table 182 using the same scenario analyses with import, exports, prices, costs and productivity. These scenarios show scallop revenues per vessel will be sufficient to pay for trip costs, crew shares and provide a surplus for the vessel after paying for the fixed costs even with a scallop harvest of 40 million lb. and 11% TAC for general category. Boat shares net of fixed costs for Scenario A will be significantly higher than the levels estimated for the less optimistic Scenario B. Reducing general category share from a status quo of 10% to 11%, to 2.5%, however, will increase net boat shares by about 15% for Scenario A, and by as much as 20% for Scenario B depending on the level of total scallop harvest.

Table 179. Scenario A: Impacts of general category TAC on limited access vessels (assuming 334 full-time vessels, import price of \$4.15, exports=25 million, LPUE=2300 lb.).

Total Scallop TAC (mill.)	% TAC for general category	General category TAC (mill.)	Limited access landings (mill.)	Scallop pounds per full-time vessel	Estimated scallop price per lb.	Scallop revenue per full-time vessel	Percent change in revenue compared to 11% TAC for GC
40	2.50%	1.0	39.0	116,766	9.45	1,103,443	10%
40	5%	2.0	38.0	113,772	9.45	1,075,150	7%
40	7%	2.8	37.2	111,377	9.45	1,052,515	4%
40	10%	4.0	36.0	107,784	9.45	1,018,563	1%
40	11%	4.4	35.6	106,587	9.45	1,007,246	0%
50	2.50%	1.3	48.8	145,958	8.30	1,211,452	10%
50	5%	2.5	47.5	142,216	8.30	1,180,389	7%
50	7%	3.5	46.5	139,222	8.30	1,155,539	4%
50	10%	5.0	45.0	134,731	8.30	1,118,263	1%
50	11%	5.5	44.5	133,234	8.30	1,105,838	0%
60	2.50%	1.5	58.5	175,150	6.90	1,208,533	10%
60	5%	3.0	57.0	170,659	6.90	1,177,545	7%
60	7%	4.2	55.8	167,066	6.90	1,152,754	4%
60	10%	6.0	54.0	161,677	6.90	1,115,569	1%
60	11%	6.6	53.4	159,880	6.90	1,103,174	0%
70	2.50%	1.8	68.3	204,341	5.50	1,123,877	10%
70	5%	3.5	66.5	199,102	5.50	1,095,060	7%
70	7%	4.9	65.1	194,910	5.50	1,072,006	4%
70	10%	7.0	63.0	188,623	5.50	1,037,425	1%
70	11%	7.7	62.3	186,527	5.50	1,025,898	0%

Table 180. Scenario B: Impacts of general category TAC on limited access vessels (assuming 334 full-time vessels, import price of \$3.50, exports=10 million, LPUE=1800 lb.).

Total Scallop TAC (mill.)	% TAC for general category	General category TAC (mill.)	Limited access landings (mill.)	Scallop pounds per full-time vessel	Estimated scallop price per lb.	Scallop revenue per full-time vessel	Percent change in revenue compared to 11% TAC for GC
40	2.50%	1.0	39.0	116,766	7.70	899,102	10%
40	5%	2.0	38.0	113,772	7.70	876,048	7%
40	7%	2.8	37.2	111,377	7.70	857,605	4%
40	10%	4.0	36.0	107,784	7.70	829,940	1%
40	11%	4.4	35.6	106,587	7.70	820,719	0%
50	2.50%	1.3	48.8	145,958	6.00	875,749	10%
50	5%	2.5	47.5	142,216	6.00	853,293	7%
50	7%	3.5	46.5	139,222	6.00	835,329	4%
50	10%	5.0	45.0	134,731	6.00	808,383	1%
50	11%	5.5	44.5	133,234	6.00	799,401	0%
60	2.50%	1.5	58.5	175,150	4.80	840,719	10%
60	5%	3.0	57.0	170,659	4.80	819,162	7%
60	7%	4.2	55.8	167,066	4.80	801,916	4%
60	10%	6.0	54.0	161,677	4.80	776,048	1%
60	11%	6.6	53.4	159,880	4.80	767,425	0%
70	2.50%	1.8	68.3	204,341	3.80	776,497	10%
70	5%	3.5	66.5	199,102	3.80	756,587	7%
70	7%	4.9	65.1	194,910	3.80	740,659	4%
70	10%	7.0	63.0	188,623	3.80	716,766	1%
70	11%	7.7	62.3	186,527	3.80	708,802	0%

Table 181. Scenario A: Impacts of general category TAC on limited access vessels (assuming 334 full-time vessels, and higher prices)

Total Scallop TAC (mill.)	% TAC for general category	General category TAC (mill.)	Limited access landings (mill.)	DAS-used per vessel	Trips costs per vessel (\$)	Crew income net of trip costs (\$)	Boat share (\$)	Boat share net of fixed costs (\$)	% change in net boat share (compare with 11% GC-TAC)
40	2.50%	1.0	39.0	51	59,399	547,495	496,549	321,399	16%
40	5%	2.0	38.0	49	57,876	533,457	483,817	308,667	11%
40	7%	2.8	37.2	48	56,657	522,226	473,632	298,482	7%
40	10%	4.0	36.0	47	54,829	505,380	458,353	283,203	2%
40	11%	4.4	35.6	46	54,220	499,765	453,260	278,110	0%
50	2.50%	1.3	48.8	63	74,248	592,050	545,153	370,003	15%
50	5%	2.5	47.5	62	72,344	576,870	531,175	356,025	10%
50	7%	3.5	46.5	61	70,821	564,725	519,993	344,843	7%
50	10%	5.0	45.0	59	68,537	546,508	503,219	328,069	2%
50	11%	5.5	44.5	58	67,775	540,436	497,627	322,477	0%
60	2.50%	1.5	58.5	76	89,098	575,595	543,840	368,690	15%
60	5%	3.0	57.0	74	86,813	560,836	529,895	354,745	10%
60	7%	4.2	55.8	73	84,986	549,029	518,740	343,590	7%
60	10%	6.0	54.0	70	82,244	531,319	502,006	326,856	2%
60	11%	6.6	53.4	70	81,330	525,415	496,428	321,278	0%
70	2.50%	1.8	68.3	89	103,948	514,185	505,745	330,595	15%
70	5%	3.5	66.5	87	101,282	501,001	492,777	317,627	11%
70	7%	4.9	65.1	85	99,150	490,453	482,403	307,253	7%
70	10%	7.0	63.0	82	95,952	474,632	466,841	291,691	2%
70	11%	7.7	62.3	81	94,885	469,359	461,654	286,504	0%

Assumptions about price: import price \$4.15, exports, 25 mill. or 45% of landings. LPUE=2300 assuming trip costs of \$1170 per day-at-sea.

Table 182. Scenario B: Impacts of general category TAC on limited access vessels (assuming 334 full-time vessels and lower prices).

Total Scallop TAC (mill.)	% TAC for general category	General category TAC (mill.)	Limited access landings (mill.)	DAS-used per vessel	Trips costs per vessel (\$)	Crew income net of trip costs (\$)	Boat share (\$)	Boat share net of fixed costs (\$)	% change in net boat share (compare with 11% GC-TAC)
40	2.50%	1.0	39.0	65	75,898	418,608	404,596	229,446	18%
40	5%	2.0	38.0	63	73,952	407,874	394,222	219,072	13%
40	7%	2.8	37.2	62	72,395	399,287	385,922	210,772	9%
40	10%	4.0	36.0	60	70,060	386,407	373,473	198,323	2%
40	11%	4.4	35.6	59	69,281	382,114	369,323	194,173	0%
50	2.50%	1.3	48.8	81	94,873	386,789	394,087	218,937	19%
50	5%	2.5	47.5	79	92,440	376,871	383,982	208,832	13%
50	7%	3.5	46.5	77	90,494	368,937	375,898	200,748	9%
50	10%	5.0	45.0	75	87,575	357,036	363,772	188,622	2%
50	11%	5.5	44.5	74	86,602	353,069	359,731	184,581	0%
60	2.50%	1.5	58.5	97	113,847	348,548	378,323	203,173	19%
60	5%	3.0	57.0	95	110,928	339,611	368,623	193,473	14%
60	7%	4.2	55.8	93	108,593	332,461	360,862	185,712	9%
60	10%	6.0	54.0	90	105,090	321,737	349,222	174,072	2%
60	11%	6.6	53.4	89	103,922	318,162	345,341	170,191	0%
70	2.50%	1.8	68.3	114	132,822	294,251	349,424	174,274	21%
70	5%	3.5	66.5	111	129,416	286,707	340,464	165,314	15%
70	7%	4.9	65.1	108	126,692	280,671	333,296	158,146	10%
70	10%	7.0	63.0	105	122,605	271,617	322,545	147,395	2%
70	11%	7.7	62.3	104	121,243	268,599	318,961	143,811	0%

Assumptions about price: import price \$4.15, exports, 25 mill. or 45% of landings. LPUE=1800 assuming trip costs of \$1170 per day-at-sea.

5.4.17.5 Allocation of yellowtail flounder bycatch TAC in access areas (3.1.7.3)

The Council considered allocating a specific portion of the yellowtail flounder bycatch TAC to each fishery (limited access and general category). Currently 10% of the yellowtail flounder TAC (Georges Bank and SNE) is set aside as bycatch for the scallop fishery in access areas (limited access and general category together). Only limited access vessels are permitted to land yellowtail as a bycatch. Continuing with no action (3.1.7.3.1) would negatively impact those vessels that are less likely to fish in the early winter months (which are mainly small vessels in the general category fleet), if the larger limited access fleet quickly reaches the overall 10% TAC for the scallop fishery as a whole. Therefore, allocating a percentage of the bycatch TAC to the general category fishery (3.1.7.3.2) will have positive economic impacts on these vessels since they will be able to continue to fish in access areas until general category yellowtail TAC is reached. It will also benefit limited access vessels since it is possible for yellowtail TAC to be reached due to derby fishing by general category vessels before limited access vessels take their allocated trips to the access areas.

5.4.18 Incidental Catch (3.1.8)

5.4.18.1 No Action (3.1.8.1)

This measure continues the allowance of incidental bycatch of scallops up to 40 lbs (3.1.8.1.); therefore, it will have no impact on vessels with incidental scallop catch. It also would not have any negative impacts the general category and limited access scallop fleets since incidental bycatch is not expected have a significant impact on the scallop fishing mortality. The vessels are not allowed to sell their catch under this measure, however, making it difficult to estimate total scallop landings from incidental catch fishery.

5.4.18.2 Incidental catch permit (3.1.8.2)

This alternative would create an incidental catch permit for vessels to retain and sell 40 lbs. of scallop meat per trip if they meet the qualification criteria for having been issued a permit but not the landing criteria necessary for limited access general category permit. PDT will develop an estimate of landings expected from this incidental catch fishery and this estimate will be taken off the top before allocation to the limited access and general category fisheries. A general category vessel could apply for incidental catch permit instead of limited access general category permit if they choose to do so.

The economic impacts of this alternative will be positive on vessels that do not qualify for limited access because it will allow them to still earn some income from scallops under the incidental catch permit. Table 78 shows the number of vessels that were active during the qualification time periods but would not qualify for limited access due to the poundage criteria. For example, with the preferred alternative (11 year period and 1000 lb. criteria), 465 out of 924 active vessels during this period would not qualify for limited access, thus could apply for incidental catch permit. As Table 92 indicates, 130 of these vessels landed 40 lb. or less scallops from their trips. With the incidental catch permit, these vessels can continue to fish as they were before without being significantly affected from the limited access program. The remaining 202 vessels that landed between 41-200 lb. and 133 vessels that landed more than 200 lb. from their best trip could also continue to fish with the incidental catch permit although they would have to reduce their scallop landings per trip and have loss in revenue from scallops. Some vessels in this group may be able increase the number of trips they take in order to land scallops in amounts similar to what they landed in the past. If all the vessels that do not qualify for limited access were able to land the same amounts (from best year) of scallops by fishing under the incidental catch rules, the landings could increase by total landings shown for this group. For example, 130,428 pounds of scallops could be landed under these assumptions and with preferred alternative, generating about \$1 million in scallop revenue for these vessels assuming a price of \$7.60 per pound. This level would constitute about 3% of total best year general category scallop landings of 4.2 million pounds for the 11 year period, or less than 0.3% of a total scallop harvest of 50 million pounds. The actual amounts could be less than these estimates if not all vessels could increase their number of trips to catch 40 lb. scallops from each trip to compensate for the reduced possession per trip.

The scallop landings recorded in the dealer data for incidental catch was a negligible proportion of the total scallop landings in the past. For example, the trips with 40 lb. or less scallops

constituted only 0.02% of total landings in 2005 fishing year, and about 0.06% of total scallop landings in 2005 (Table 183).

Table 183. Composition of scallop landings by trip landing

FISHYEAR	Data	<=40 lb.	41-100 lb.	101-200 lb.	>200 lb.	Grand Total
2004	Total scallop landings	9,352	54,730	135,852	61,967,122	62,167,056
	% of total	0.02%	0.09%	0.22%	99.68%	100.00%
2005	Total scallop landings	29,374	83,877	264,270	52,964,848	53,342,369
	% of total	0.06%	0.16%	0.50%	99.29%	100.00%

Total scallop landings from incidental catch could be higher than these amounts, however, if the new regulations proposed in this Amendment provide incentive to more vessels fish under the incidental catch permit. This is a possibility given that any vessel that had a general category permit before the control date during the selected qualification period could qualify for an incidental catch permit. For example, an additional 3853 permit holders would be eligible to fish under the incidental catch permit under the preferred 11 year time period if they submit an application. If 500 of these vessels applied and took 10 trips with 40 lb. bycatch of scallops from each trip, total catch from this permit category could increase by 200,000 lb. It is also possible for some vessels that qualify for limited access general category permit to apply instead for incidental catch permit. For example, some vessels that landed 1000 lb. from their best year and qualify for limited access under this criterion would be allocated 2.5 trips with the preferred alternative assuming that they land 400 lb. per trip and a total general category TAC of 4 million pounds. If these vessels do not normally land more than 50 lb. per trip (and take only 20 trips) their total scallop landings will decline 250 pounds. Choosing to fish under the incidental catch permit could benefit these vessels since by taking 20 trips at 40lb. each, they could land 800 pounds and more if they increase their trips. But given that it is usually not profitable to target scallops on a full-time with 40 lb. trip limit, the increase in incidental catch may not be significant. This alternative would, in general, benefit those vessels in some fisheries where it may be more advantageous to land a smaller incidental level of scallops on more trips, than a higher level of scallops on fewer trips.

In order to prevent scallop fishing mortality to increase above the target levels, this alternative includes a provision to remove the estimated landings from incidental catch from the total scallop harvest before the allocations are made to the general category and limited access fisheries. This value would be defined in future biennial actions and could be adjusted over time to incorporate recent landings from this permit category. The economic impacts of this measure would be positive for the sea scallop fishery as whole since it would reduce the risks of overfishing of scallop resource from an increase in incidental catch.

5.4.19 More Timely Integration of Data (3.2)

Changing the start of the fishing year to either May 1 (Alternative 3.2.3) or to August 1 (Alternative 3.2.4) will reduce the time lag between the fishing year and the time when the survey data becomes available. The benefits of streamlining annual adjustment to take into account the recent scallop survey are discussed thoroughly in Section 5.18 (Impacts on the Scallop Resource). A more accurate estimation of TACs for the access areas will reduce uncertainty associated with the rotational area management, and an implementation time that

coincides better with the fishing year will benefit the scallop fishery and have positive economic impacts on the participants. On the other hand, there will be some business risks associated when the fishing year starts at a later date as discussed below. Under the no action alternative (3.2.1) there will be no change in the scallop fishing year and the issuance date for general category permits. Since overfishing of the scallop resource due to mis-estimation of TACs and DAS allocations needs to be corrected by the framework, the no action alternative (3.2.1) will result in more stringent regulations and a decline in scallop landings in future years, which will have negative impacts both on the scallop fishermen and on seafood consumers.

The change in the fishing year will, however, require a change in the business plans of the scallop fishermen and create some risks if plans do not materialize due to unforeseen conditions. Presently, the fishing year begins at a time when meat-weight of scallops begins to increase and a higher yield per unit effort could be obtained from scallop fishing. As a result, the vessels start using their day-at-sea based on the current resource and market conditions and fishing costs (such as fuel prices). If the fishing year starts in May, the vessel owners may need to postpone part of their day-at-sea allocations until the following March, since 15% to 18% of scallops are usually landed during the months of March and April. If the fishing year starts in August, they will need to reserve about half-of-their day-at-sea allocations until August of the next year, since they generally land more than half of the scallops during these five months from March to August (Table 184 and Table 185). If during these months, the resource and market conditions turn out to be less favorable than they expected a year ago, for example, if scallop prices or catch per-unit effort decline due external factors, they will incur a loss from not using them in earlier months. Also unforeseen conditions, such as a vessel breakdown, illness, or unfavorable weather could affect how many of the day-at-sea allocations could be used at the end of the fishing year. Present regulations allow a vessel to carry over 10 days-at-sea to the next fishing year. Therefore, if a vessel could not use more than 10 days of its day-at-sea allocation at the end of the fishing year due to unforeseen conditions, it will face a decline in revenue unless there is a change in regulations to take into account such conditions. In other words, starting the fishing year at a later date will require longer term planning and will create some risks due to reduced predictability of the resource and market conditions over a longer horizon. Negative impacts associated this change could decline over time, however, as the vessel-owners gain experience with the new fishing year and learn to adjust their business plans more efficiently to the new conditions. Certainly, changing the fishing year to May 1, rather than to August 1, will reduce these risks, even though the later date will allow more time for recent survey results to become available to management. Even though there could be some short-term decline in producer benefits if landings do not occur under the most optimal conditions due to the reasons discussed above, there is no question that more accurate estimation of area TACs and day-at-sea allocations will improve scallop yield over the long-term, increase revenues, and reduce the business costs associated with constantly changing regulations. Therefore, the positive economic impacts of changing the fishing year are expected to outweigh the negative impacts in some circumstances when the scallop resource and market conditions turn out to be less favorable than expected.

Changing the general category permit to March 1 to be in line with the limited access fishery (3.2.1.1) would allow better estimation of the number of participants and the level of effort in the fishery, and allocation of TAC. It would create complications for the general category fleet,

however, many of whom participate in other fisheries which have the May 1 start date. Changing the fishing year to May 1 (3.2.2) would create consistency without any costs to the general category fishermen.

Table 184. Distribution of scallop landing by limited access vessels by month and calendar year

MONTH	2000	2001	2002	2003	2004	2005
1	6%	4%	3%	3%	2%	5%
2	5%	5%	4%	5%	5%	4%
3	6%	6%	6%	7%	8%	7%
4	9%	10%	10%	8%	10%	11%
5	14%	13%	12%	13%	12%	14%
6	12%	11%	13%	14%	13%	13%
7	11%	13%	12%	13%	10%	13%
8	11%	9%	12%	10%	9%	10%
9	8%	8%	9%	7%	7%	8%
10	8%	8%	7%	10%	6%	5%
11	5%	6%	6%	7%	9%	5%
12	5%	6%	5%	4%	6%	4%
Grand Total	100%	100%	100%	100%	100%	100%

Table 185. Distribution of scallop landing by limited access vessels by period

Period	2000	2001	2002	2003	2004	2005
March-Apr.	15%	16%	16%	15%	18%	18%
March-July	52%	53%	53%	55%	53%	58%
Aug.-Feb.	48%	47%	47%	45%	47%	42%
Grand Total	100%	100%	100%	100%	100%	100%

During the public comment period members of the industry provided input on reasons why maintaining the March 1 start date potentially outweighs advantages of moving it back. First, spring and summer are good weather months so more effort during that time of the year is beneficial for safety. Second, the processing industry has developed over the last decade based on a March 1 start date, and there would be inventory management issues if the year changed. For example, since most scallops are caught in the spring and summer some are frozen and sold off during the winter when supply is lower. It is true business models could be changed if the fishing year changes, but that would come at a cost to the industry. Third, the market is better in spring and summer when demand for fresh scallops is higher, so it makes sense to keep the start of fishing year when demand is highest. Finally, from a port and fishing pier perspective it helps that the scallop and groundfish fishing years are staggered. Vessels are usually worked on right before the opening of a fishing year, so the scallop vessels are worked on first, and then the groundfish vessels. In a port like New Bedford, it would be very difficult for all the vessels to get worked on at the same time if the fishing years were both May 1.

5.4.20 Trawl gear restriction (3.3.1)

Clarification of trawl gear restriction for vessels fishing under a multispecies or monkfish DAS will have positive economic impacts on those general category vessels that catch scallops only incidentally compared to no action. Since vessels targeting scallops with a net are still restricted

to a 144 ft. net sweep, this alternative will not have negative impacts on scallop resource or negative economic impacts on the general category fishery.

5.4.21 Possession limit of 50 bushels (3.3.2)

Setting the possession limit to 100 bushels east of the demarcation line will have positive economic impacts on the general category vessels that are able to shuck before they reach the demarcation line. Since 50 bushels is usually less than 400 pounds of scallop meat, under no action alternative the vessels will be either in violation if they have more than 50 bushels on board or will risk the risk of landings less than 400 lb. scallops per trip. While this alternative could allow a vessel to catch more than 50 bushels or 400 pounds, the vessel would have to discard any additional catch before crossing the demarcation line. This could reduce non-harvest mortality and have additional positive impacts on scallop biomass and on net economic benefits from the scallop resource.

5.4.22 Enforcement costs

The enforcement impacts and safety implications of the proposed measures are discussed in Section 5.6.3 of Amendment 11. The qualitative analysis included a discussion of the pros and cons of the proposed alternatives from an enforcement perspective. Section 3.1.5 of Amendment 11 also provided a description of the alternatives for improving data collection and monitoring, and discussed the implications of these in terms of the enforcement costs and benefits.

If Amendment 11 is approved as the Council recommends it is the agency's responsibility to implement and enforce the amendment. Overall, there are costs the agency will incur to enforce and implement this action, but they are not expected to compromise the effectiveness of implementation and enforcement of the proposed action. The proposed measures are also expected to help reduce part of the enforcement costs associated with the monitoring of the general category fishery. Limited entry program will reduce the number of participants in the fishery to 369 vessels that qualify for limited access, which is significantly less than the number of participants in recent years. This reduction combined with a 5% general category TAC would reduce the total number of general category trips that need to be monitored by enforcement compared to the recent levels. For example, there were 18,000 trips over general category taken by about 597 vessels in 2005 fishing year. Assuming a total scallop harvest of 50 million pounds (similar to the 53 million pounds landed in 2005 fishing year), a 5.05% general category TAC (including the 0.5% for the limited access general category fishery) would translate into a general category allocation of 2.52 million pounds of scallops. Assuming that an average of 300 pounds of scallops landed are landed from each trip (average for 2005 fishing year, Table 27), the number of total general category trips would be about 8,416, which is approximately 46% less than the number of trips occurred in 2005.

Furthermore, there are several mechanisms already in place that will aid in enforcement and monitoring of this program. The proposed action will also require landings and declaration of scallop trip through VMS. The vessels would be required to call in to NMFS when they are leaving port to declare that they are going on a general category scallop trip and call in the hailweight and VTR number for each trip through the VMS system. These measures are expected to improve monitoring of individual quota system proposed by the Amendment. Reporting hailweight and VTR number will improve the ability for NMFS to link this data with

other databases and enable NMFS to monitor fishing location and landings on a real-time basis. In addition, mechanisms and systems, such as VMS monitoring and data processing, are already in place to provide for satisfactory monitoring and enforcement of the No Action as well as other FMPs in the region. Therefore, the overall enforcement costs are not expected to change significantly from the levels necessary to enforce measures under the no action regulations.

5.4.23 Appendix for economic analyses: Data, methods and uncertainties

5.4.23.1 Estimation of ex-vessel prices

Fish prices constitute one of the important channels through which fishery management actions affect fishing revenues, vessel profits, consumer surplus, and net economic benefits for the nation. The degree of change in ex-vessel price in response to a change in variables affected by management, i.e., scallop landings and meat count, is estimated by a price model, which also takes into account other important determinants of price, such as disposable income of consumers and price of imports. This report develops a new scallop price model that estimates price by major meat count categories in order to capture the impacts of changes in the size composition of scallops, especially since 1999. In addition, this new model takes into account the impact of scallop exports, which is on the rise in recent years, on the domestic price of scallops. Given that there could be many variables that could affect the price of scallops, it is important to identify the objectives in price model selection: These objectives are as follows:

- To develop a price model that uses inputs of the biological model and available data. For example, using an annual model based on annual landings and prices, rather than a model based on monthly landings and prices since the biological model usually does not predict monthly landings.
- To select a price model that will predict prices within a reasonable range without depending on too many assumptions about the exogenous variables. For example, the import price of scallops from Japan could impact domestic prices differently than the price of Chinese imports, but making this separation in a price model would require prediction about the future import prices from these countries. This in turn would complicate the model and increase the uncertainty regarding the future estimates of domestic scallop prices. For these reasons, it is important to minimize the number of variables that require speculations about their likely future values.

In the previous SAFE reports and Scallop Amendment and Frameworks, the average ex-vessel price for scallops was estimated from an annual price model as a function of total landings, average meat count of scallops landed, disposable income of consumers, and average import prices. In general, the price of scallops is expected to be inversely related to the landings, and to the meat count, but to vary in the same direction with the price of its substitutes, i.e., import prices in this case. An increase in disposable income, however, is expected to increase the demand, therefore the price of scallops. Historical observation presented above for the period 1982-2004 indicated that annual ex-vessel prices in fact varied in response to changes in domestic landings, import prices, and the size of scallops (meat count).

Collection of price data by market category of scallops since 1998, however, made it possible to improve the price model to better capture the changes in the size composition of scallops,

especially in recent years as discussed above. It is expected that this trend will continue in the future with 10-20 count and under 10 count (U10) scallops dominating the landings. For these reasons, it is important to explore possible changes in scallop prices by size category in response to an increase in the supply of larger scallops relative to smaller ones.

In addition to the changes in size composition and landings of scallops, other determinants of ex-vessel price include level of imports, import price of scallops, disposable income of seafood consumers, and the demand for U.S. scallops by other countries. The main substitutes of sea scallops are the imports from Canada, which are almost identical to the domestic product, and imports from other countries, which are generally smaller in size and less expensive than the domestic scallops. An exception is the Japanese imports, which have a price close to the Canadian imports and could be a close substitute for the domestic scallops as well.

The ex-vessel price model estimated below includes the price, rather than the quantity of imports as an explanatory variable, based on the assumption that the prices of imports are, in general, determined exogenously to the changes in domestic supply. This is equivalent to assuming that the U.S. market conditions have little impact on the import prices. An alternative model would include estimating the price of imports according to world supply and demand for scallops, separating the impacts of Canadian and Japanese imports from other imports since U.S. and Canadian markets for scallops, being in proximity, are highly connected and Japanese scallops tend to be larger and closer in quality to the domestic scallops. The usefulness of such a simultaneous equation model is limited for our present purposes, however, since it would be almost impossible to predict how the landings, market demand, and other factors such as fishing costs or regulations in Canada or Japan and in other exporting countries to the U.S. would change in future years.

Since the average import price is equivalent to a weighted average of import prices from all countries weighted by their respective quantities, the import price variable takes into account the change in composition of imports from Canadian scallops to less expensive smaller scallops imported from other countries. This specification also prevents the problem of multi-collinearity among the explanatory variables, i.e., prices of imports from individual countries and domestic landings. In terms of prediction of future ex-vessel prices, this model only requires assignment of a value for the average price of imports, without assuming anything about the composition of imports, or the prices and the level of imports from individual countries. The economic impact analyses of the fishery management actions usually evaluate the impact on ex-vessel prices by holding the average price of imports constant. The sensitivity of the results affected by declining or increasing import prices could also be examined, however, using the price model presented in this section.

The price model presented below estimates annual average scallop ex-vessel price by market category (PEXMRKT) as a function of:

- Meat count (M COUNT)
- Average price of all scallop imports (PIMPORT)
- Per capita personal disposable income (PCDPI)
- Total annual landings of scallop minus exports (SCLAND-SCEXP)
- Percent share of landings by market category in total landings (PCTLAND)

- A dummy variable as a proxy for price premium for Under 10 count scallops (DU10).
- A dummy variable for 2004 to reflect the exogenous changes, such as the changes in the supply of Japanese and Canadian imports due to unexpected factors.

Because the data on scallop landings and revenue by meat count categories were mainly collected since 1998 through the dealers’ database, this analysis includes the 1998-2004 period and five meat categories. All the price variables are corrected for inflation and expressed in 2004 prices by deflating current levels by the consumer price index (CPI) for food. Personal disposable income is adjusted for inflation by deflating the nominal values with implicit price deflate for consumer expenditures. The ex-vessel prices are estimated in semi-log form to restrict the estimated price to positive values only as follows:

$$\text{Log (PEXMRKT)} = f(\text{MCOUNT, PIMPORT, PCDPI, SCLAND-SCEXP, PCTLAND, DU10})$$

The coefficients of this model are shown in Table 187. The estimated model provides a good fit to the actual data for annual ex-vessel prices as Table 186 indicates. The F-test shows that the overall relation is statistically significant ($P < 0.0001$), meaning that the explanatory variables as a whole have a significant influence on ex-vessel price. Adjusted R2 indicates that changes in meat count, composition of landings by size of scallops, domestic landings net of exports, average price of all imports, disposable income, and price premium on under 10 count scallops explain 87 percent of the variation in ex-vessel prices by market category. Figure 52 and Table 188 also verify that the estimated values of ex-vessel prices closely track the actual values.

Table 186. Regression results for price model

Regression Statistics			
Multiple R		0.94	
R Square		0.89	
Adjusted R Square		0.86	
Standard Error		0.08	
Observations		35.00	
ANOVA			
	Degrees of Freedom	Sum of Squares	Significance F
Regression	7	1.54	P<0.0001
Residual	27	0.19	
Total	34	1.73	

Table 187. Coefficients of the Price Model

Variables	Coefficients	Standard Error	t Stat
INTERCEPT	-1.534	1.847	-0.831
MCOUNT	-0.005	0.001	-3.369
PIMPORT	0.017	0.071	0.241
PCDPI	0.043	0.020	2.093
SCLAND-SCEXP	-0.024	0.006	-3.943
DU10	0.061	0.054	1.127
PCTLAND	-0.311	0.086	-3.627
D2004	0.140	0.070	2.010

All of coefficients of the explanatory variables have the expected sign, and they are statistically significant at least at the 5% level of significance, except for price of imports, and dummy variable for under-10 count scallops, which were kept in the model for theoretical reasons. There has been little change in import prices during the period of analysis (1998-2005) compared to other variables explaining price, which explains the low t-statistics for this variable. When the scallop price model included a longer time-series (1982 on) as presented in SAFE 2000 report and later in Amendment 10, FEIS, the coefficient for the import price was statistically significant. The dummy variable reflecting the price premium on under 10 count scallops is statistically significant at the 22% level, however.

In summary, these empirical results verify that the ex-vessel price of scallops is related inversely to the domestic supply, net of exports, and increase as landings decrease or decrease as landings increase. The price per pound of scallops is expected to increase as the meats per pound decrease. Negative sign for the meat count variable (MCOUNT), indicates that when other factors held constant, the price in fact increased with the size of scallops. On the other hand, scallop price by market category is affected by the relative abundance or supply of that size category relative to total scallop landings. The negative sign for PCTLAND indicates that it is possible for smaller scallops to command a similar or even higher price in some circumstances if their supply declines to the scarcity levels in domestic markets. Positive sign and relatively high t-statistics for per capita income imply that an increase in the income of consumers will have a positive impact on the price of scallops for all market categories.

Overall, the model is successful in estimating average prices by market category during the 1998-2004 period, with a 3% difference at most from the actual price (Table 188). Similarly, predicted scallop price as an average of all market categories track very closely the actual annual price for scallops, with negligible differences from actual values in any single year. These numerical results should be interpreted with caution, however, since the analysis covers only 7 years of annual data from a period during which the scallop fishery underwent major changes in management policy including area closures, controlled access, and rotational area management.

Figure 52. Actual and predicted annual ex-vessel price

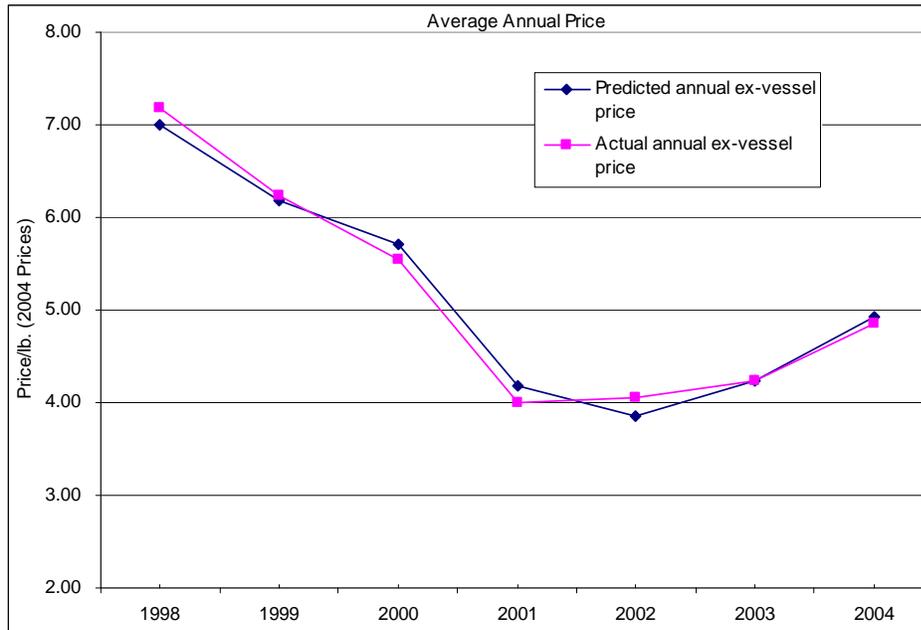


Table 188. Average predicted and actual ex-vessel price during 1998-2004

Market Size Category	Actual Price	Predicted Price	Percent Difference
Under 10 count	6.47	6.37	-1.6%
11-20 count	5.40	5.55	2.9%
21-30 count	5.08	4.93	-3.0%
31-40 count	5.17	5.21	0.8%
41 plus count	5.05	5.04	-0.3%

5.4.23.2 Estimation of Fishing Costs

Information and analysis of variable and fixed cost of fishing for both general category and limited access vessels is provided in Section 4.4.6, thus will not be repeated here.

5.4.23.3 The sources of uncertainty in the analyses

The results of these analyses presented above and in the following sections should be interpreted with caution. The number of affected vessels, scallop landings and revenues were estimated from the 2005 and 2006 fishing year (up to January 2006) data. These numbers could change in the future depending on several factors, including in changes in scallop resource biomass and yield, scallop prices, import prices for scallops, fishing expenses, VMS costs, changes in profitability of the scallop trips relative to trips targeted on other species, changes in the distribution of ownership, and changes in management measures affecting scallop fishery and other fisheries that limited access and general category vessels participate.

It must be also cautioned that the price estimates are used in order to evaluate the comparative impacts of management options on vessel revenues, consumer and producer benefits relative to no action (or status quo), rather than to predict the absolute value of future prices. Actual values of future prices could be different than these estimates due to the changes in exogenous factors in the short- and the long-term. These exogenous changes include fluctuations in the world supply of scallops, in the level of scallop imports from Canada and Japan (main competitors of US scallops), changes in the value of dollar (impacts competitiveness and price of domestic scallops relative to scallops from other countries), in consumer preferences and income among several other factors. If new export markets are developed and exports as a proportion of the scallop landings increase in the future, the prices could be higher than estimated even with a larger domestic supply.

The cost benefit analysis also included updated cost estimates that took into account the recent increase in fuel prices. These costs are used in calculating producer surplus for the proposed alternatives, which, in turn, calculated as total revenue minus variable costs. The variable costs are defined as those expenses that increase or decrease with the level of fishing activity excluding the cost of crew. The crew incomes are determined from a lay system according to which crew gets 55% of the gross stock and pays for trip costs including food, fuel, oil, water, and ice (Georgianna et al, 2005) . The trip costs include food, ice, water and fuel, and oil. Therefore, the numerical results of this analysis should be interpreted with caution due to uncertainties about the likely changes in fixed costs, variable costs including the price of fuel, the share system and fishing behavior.

5.5 SOCIAL IMPACTS

Social impacts consider changes made to how people—as individuals and as members of households and communities—live and work, and impacts on their values and norms. This can include their overall quality of life, safety, community sustainability, and distribution of and access to resources. The following analyses concentrate on an identified 41 ports or communities that could be most affected by Amendment 11, given the level of landings at port and county levels, but also speak to social impacts more broadly as they affect all participants in the fishery. A fishery management plan that proposes limited access system as an option, moreover, must consider not only the cultural and social framework relevant to the fishery and any affected fishing communities, but also present and historic participation in and dependence on the fishery, and the economics of the fishery [MSA Section 303(b)(6)]. This is complicated for general category scallop fishery, given that it is a heterogeneous fishery that has seen marked changes since the category was first created in 1994 by Amendment 4. As the social impact section in Amendment 4 noted then, many of the smaller-scale fishing operations that did not qualify for limited access were concerned about the lack of accurate records for small or seasonal vessels. This document also noted the tendency to include scallop fishing in the annual rounds of many small-scale fishing operations, particularly in Maine and New England (NEFMC, 1994: pages 162-63). Thus the fishery is part of fishermen’s harvesting flexibility, or what could be called cyclical rounds of fishermen, with switching between fisheries depending on the cyclicity of resources. In other words, many different kinds of fishing operations depend on the scallop resource, in different ways.

5.5.1 Limited Entry (3.1.1 and 3.1.2)

The open access nature of the general category fishery has been discussed at length at the Council level, with many limited access and/or established fishermen concerned about an influx of new effort into scalloping; if such unlimited access does negatively impact the biomass then negative social and community impacts in the long-term would ensue on both fleets. Yet an open access fishery also represents the opportunity for established captains or crew from the limited access fishery to branch out into their own operations. That is to say, new boats may represent new capital but not necessarily new labor into the fishery; an open access fishery may be the only avenue for such new entrants into fishing and thus the sustainability of fishing communities, all else being the same. The cultural and social framework of the fishery is marked by concerns about equity, and community and generational stability, which are integral to the understandings and motivations of many fishermen in the affected regions (see for example Clay 1996, Olson 2006). Additionally, many other participants are concerned to preserve the historical characteristics of the fishery as composed primarily of small, owner-operated day boats. Thus limited access can challenge the cultural values of many fishermen, if it is seen as inequitably based, or if it is seen as threatening the sustainability of fishing families and communities.

5.5.1.1 Qualifications (3.1.2.1, 3.1.2.2, and 3.1.2.3)

The different qualification criteria and time periods will be discussed together and weighted by the different potential qualification amounts, in the discussion of allocation access (3.1.2.4) below. This section discusses the methodology used to understand potential impacts at the port

level. The initial list of potential vessel qualifiers was assigned to different homeports according to the homeport listed on the vessel's most recent permit application in order to approximate where the impacts from the different qualification scenarios might be concentrated. This should be considered an approximation at best, for vessels can and do change their homeport locations; moreover, over ¼ of qualifying vessels did not have an active permit for any fishery during 2006 so their actual homeport location may be likely to change, should they be sold or transferred. To gauge impacts at the homeport level, it was not possible to look just at potential allocations in absolute terms, since these would be scaled according to resource conditions, TAC, and total share to the general category fishery. Instead, the analysis considers a homeport's share of allocation to the total allocation to the entire fishery (i.e. the total allocation to vessels in the same homeport, divided by the total allocation), relative to its share of homeport revenue (i.e. landed value accruing to the vessels who homeport there, divided by all general category landed value in 2005). So a homeport that received the same share of allocation as its share of landed value would have a score of 0, meaning that the regulation had no impact on its relative share, all else being equal. This is then further weighted by the homeport's dependency on the general category scallop fishery, so that a port that has little dependence on this fishery would receive a low score, regardless of the change in relative share from the regulation. In sum, the weighted scores should show possible relative change from the regulations, weighted by dependency (Table 189 and Table 190).

5.5.1.2 Allocation (3.1.2.4)

An individual allocation (3.1.2.4.1) (**proposed action**) could positively impact flexibility for fishermen to fish when they wanted without fear of derby fishing, particularly for those fishermen who concentrate or more consistently rely on scallop fishery. It could negatively impact those fishermen who use scallop fishing as part of annual rounds, where landings from the fishery may vary considerably from year to year. An individual allocation also negatively impacts the cultural values placed on individual fishing success to the extent that it caps landings, and to the extent that it lays the groundwork for transferability, as such a measure goes against the grain for many fishermen in the Northeast (see introduction to Social Impacts Section). Additionally, allocation of quota in trips rather than in pounds further favors those fishermen who focus on scallop fishing and who tend to land the maximum trip limit, but negatively affects those who catch scallops as bycatch or do not typically land the maximum pounds per directed trip. The modification of the trip limit to 2000 lbs (3.1.2.4.1.1) would enable qualifying general category vessels to minimize the number of trips and hence trip expenses such as fuel, but it would be biased towards larger hulled vessels and larger crews and it could alter the day-boat and small-scale nature of the fishery.

Table 189 looks at changes in the relative share of scallops landed by general category vessels, comparing the homeports share of total allocated scallop pounds (by the 'best year, capped' contribution factor) to the homeports share of general category scallop revenues in 2005. Ports are in order of general category scallop landings, first by county and then by port. A positive number then implies that homeport would see a relative increase in allocated scallop pounds, compared to the most recent fishing year and weighted by the port's dependency on general category scallop landings. Again, this is an approximation at best, for the pounds allocated are not guaranteed and the vessels assigned to a given homeport may no longer actively fish in that

port any longer. At best it may give an indication of the directionality and proportionality of possible changes.

Eleven ports see only relatively small (positive or negative) proportional changes. This includes ports with high landed value in absolute terms but low relative port dependency on general category scallop landings, like New Bedford and Cape May; or ports such as Point Pleasant with a fairly high dependency on general category scallop landings, but with current fishermen who have generally been active during the different qualification periods. Eight homeports could see possible positive impacts, in terms of proportionally higher allocations than their share of landings in 2005. For example, Barnegat Light would fare better with the two-year qualification period, implying more of its current fishing vessels have been fishing in only the past two years, and it also fares better with the annual 5000lb qualification, possibly implying that its general scallop fishermen are more dependent on or concentrate more on scallops. For ports such as Barnegat Light, they would see slightly reduced but still positive changes overall if the allocations are weighted by years in the fishery. It is important to keep in mind that these relative impacts are based on a fishing year that was not typical for general category landings, and impacts by port will vary depending on what years are used in this type of analyses.

Fourteen ports show negative proportional changes; of these, those homeports most significant in terms of absolute and relative general category scallop landings, are Atlantic City NJ, Beaufort NC, Ocean City MD, Sneads Ferry NC, New Bern NC, Swan Quarter NC, Tilghman MD. In all cases, general category vessels homeported in these ports either saw zero or very low scallop landings before the control date, hence their proportionally negative impact. Most of these show further negative changes if the allocations are also weighted by years in the fishery (see Table 2). Finally, eight homeports show varied impacts depending on the qualification time period and amount chosen. Some (such as Sandwich MA, Shinnecock NY, Gloucester MA, and Jonesport ME) would be positively impacted by the 11 and 5-yr qualification periods but negatively impacted by the 2-yr qualification period, implying that fishermen homeported in these ports have not fished as much during the past two years as they have in the past. They are more positively impacted when allocations are weighted by years in the fishery. Ports like South Bristol ME would be negatively impacted only by the 5000lb option, implying that their general category fishermen have been active more as seasonal scallop fishermen. Others, like Belhaven and Bayboro NC would be positively impacted by the 2-year period but negatively impacted by the 11 and 5-yr period, implying their fishermen are overall fairly recent, as also shown in Table 190 showing allocations weighted by years in the fishery.

These results would be generally similar for the allocation contribution factor based on best year but not capped to 50,000 (Alternative 3.1.2.3.3). The cap affects only three vessels from three different ports, and only one vessel is significantly affected (for the 11 and 5-yr periods but not the 2-yr period). Removing the cap could result in slightly more positive impacts on Shinnecock, NY if the 11 or 5-yr qualification periods are chosen, but otherwise would have little impact. This alternative is intended to reduce negative impacts on individual vessels due to inaccuracies in the landings data.

Table 189 - Relative changes in general category scallop landings weighted by homeport dependency, for individual fishing quota (3.1.2.4.1) (Proposed action shaded)

County, ST (GC scallop landings)	Home Port	Relative and Proportional Impact at Home Port Level									Depend-ency*	General category scallop landings, 2005
		11-year qualification			5-year qualification			2-year qualification				
		100	1000	5000	100	1000	5000	100	1000	5000		
Ocean NJ (9,763,422)	Barnegat Light	5	6	12	8	9	14	21	23	29	36	6,651,129
	Point Pleasant	-1	-1	2	0	0	2	6	6	10	23	2,532,974
	Pt. Pleasant Beach	-1	-1	-1	-4	-4	-8	-5	-5	-8	8	149,251
Barnstable MA (4,161,766)	Provincetown	62	65	79	72	75	84	42	43	41	58	1,485,382
	Chatham	25	27	34	31	32	37	7	7	13	38	813,673
	Wellfleet	31	33	43	36	39	44	42	45	47	90	564,263
	Barnstable	5	6	8	7	7	9	-1	-1	-3	18	500,550
	Sandwich	71	71	55	70	72	60	-41	-49	-46	79	259,839
Cape May NJ (3,930,850)	Cape May	-3	-3	-3	-3	-3	-3	-2	-2	-2	5	3,089,329
	Wildwood	-2	-2	-1	-1	-1	0	6	6	7	21	678,469
Atlantic NJ (3,594,082)	Atlantic City	-12	-12	-12	-12	-12	-12	-12	-12	-12	12	2,525,543
Bristol MA (3,057,259)	New Bedford	1	1	1	1	1	1	1	1	1	1	2,731,576
	Westport	-31	-31	-48	-30	-29	-48	-36	-35	-48	48	287,339
Suffolk NY (2,783,760)	Shinnecock	20	21	20	22	22	22	-14	-15	-22	34	980,187
	Montauk	4	4	5	5	5	5	5	4	5	7	507,524
	Greenport	-7	-9	-12	-7	-8	-12	-11	-12	-12	12	115,353
Carteret NC (2,782,220)	Beaufort	-36	-36	-33	-34	-34	-32	-28	-28	-26	63	1,903,030
Hyde NC (1,871,928)	Swan Quarter	-14	-14	-12	-13	-13	-11	-8	-8	-6	28	866,632
Worcester MD (1,790,261)	Ocean City	-41	-40	-39	-39	-39	-38	-42	-42	-43	59	1,790,261
Beaufort NC (1,745,278)	Belhaven	-9	-8	-2	-5	-4	0	10	11	16	59	1,661,893
Essex MA (1,552,064)	Gloucester	14	12	8	4	2	1	-1	-3	-10	39	1,282,849
	Rockport	60	63	36	69	71	38	94	97	64	41	127,604
Newport News VA (1,505,236)	Newport News	-6	-6	-6	-6	-6	-6	-6	-6	-6	6	1,505,236
Washington ME (1,501,709)	Lubec	53	57	59	66	69	65	72	76	70	96	646,565
	Jonesport	66	77	44	43	46	48	-54	-54	-54	54	282,964
Brevard FL (1,452,124)	Cape Canaveral	-11	-11	-7	-10	-9	-5	0	1	6	41	1,452,124
Pamlico NC (1,383,571)	Bayboro	-3	-2	4	0	1	6	12	13	19	38	372,854
	Oriental	-4	-5	-5	-4	-5	-5	-3	-4	-3	9	275,863
Hancock ME (1,192,508)	Stonington	20	21	27	-14	-14	-15	5	5	12	99	791,381
Onslow NC (1,101,916)	Sneads Ferry	-46	-45	-36	-41	-40	-33	-23	-21	-12	100	1,101,916
Craven NC (960,993)	New Bern	-12	-12	-12	-12	-12	-12	-12	-12	-12	12	960,993
Norfolk (City) VA (668,751)	Norfolk	2	2	3	3	3	3	5	5	6	4	668,751
Dare NC (605,119)	Wanchese	0	-1	-1	0	0	-1	2	2	1	6	595,562
Talbot MD (590,418)	Tilghman	-100	-100	-100	-100	-100	-100	-100	-100	-100	100	590,418
York ME (530,157)	Kittery	-93	-92	-98	-98	-98	-98	-98	-98	-98	98	414,110
Rockingham NH (491,455)	Portsmouth	-10	-9	-12	-9	-8	-12	-15	-15	-18	25	437,550
Glynn GA	Brunswick	60	63	89	73	76	96	129	132	159	100	476,036

(476,036)												
Monmouth NJ (439,728)	Belmar	121	126	160	138	143	169	208	213	247	78	187,471
Lincoln ME (411,719)	South Bristol	1	3	-19	-2	0	-18	19	21	-2	66	313,464
Washington RI (313,041)	Point Judith	3	3	1	3	2	2	1	0	0	2	254,479
Newport RI (260,648)	Newport	-8	-11	-13	-11	-13	-13	-11	-13	-13	13	209,946

Years are fishing years. Only includes homeport counties that in 2005 had at least 250,000 in general category scallop landings, and homeports with at least 100,000 in general category scallop landings and at least three general category vessels. Dependency means % of general category scallop landings to total homeport, 2005 (i.e. the landed value of those vessels who homeport in that community).

Table 190 - Best Years Indexed by years active, additional impact on 11-yr period. (proposed action shaded)

Home Port (County, ST)	q11_100		q11_1000		q11_5000	
	chgindexa	chgindexb	chgindexa	chgindexb	chgindexa	chgindexb
Atlantic City (Atlantic NJ)	-0.08	-0.21	-0.08	-0.21	*	*
Barnegat Light (Ocean NJ)	-0.01	-0.02	-0.01	-0.02	-0.01	-0.01
Barnstable (Barnstable MA)	0.07	0.18	0.07	0.19	0.08	0.20
Bayboro (Pamlico NC)	-0.03	-0.08	-0.03	-0.08	-0.03	-0.08
Beaufort (Carteret NC)	-0.01	-0.03	-0.01	-0.03	-0.01	-0.02
Belhaven (Beaufort NC)	-0.08	-0.19	-0.08	-0.19	-0.08	-0.20
Belmar (Monmouth NJ)	0.00	0.00	0.00	0.00	0.00	0.00
Brunswick (Glynn GA)	-0.02	-0.06	-0.02	-0.05	-0.02	-0.05
Cape Canaveral (Brevard FL)	-0.07	-0.18	-0.07	-0.18	-0.07	-0.17
Cape May (Cape May NJ)	-0.01	-0.03	-0.01	-0.03	-0.01	-0.03
Chatham (Barnstable MA)	-0.01	-0.03	-0.01	-0.03	-0.01	-0.02
Gloucester (Essex MA)	0.03	0.07	0.03	0.08	0.04	0.10
Greenport (Suffolk NY)	-0.07	-0.17	-0.10	-0.25	*	*
Jonesport (Washington ME)	0.02	0.05	0.03	0.07	0.05	0.13
Kittery (York ME)	0.05	0.12	0.05	0.12	*	*
Lubec (Washington ME)	-0.06	-0.16	-0.06	-0.16	-0.06	-0.15
Montauk (Suffolk NY)	0.01	0.04	0.02	0.04	0.03	0.06
New Bedford (Bristol MA)	0.04	0.09	0.04	0.09	0.04	0.09
New Bern (Craven NC)	0.00	0.00	0.00	0.00	*	*
Newport News (VA)	-0.03	-0.08	-0.05	-0.12	-0.05	-0.12
Newport (Newport RI)	0.06	0.15	0.10	0.25	*	*
Norfolk (VA)	0.00	0.01	0.00	0.01	0.00	0.01
Ocean City (Worcester MD)	-0.06	-0.14	-0.06	-0.15	-0.07	-0.18
Oriental (Pamlico NC)	-0.02	-0.05	-0.05	-0.13	-0.05	-0.13
Point Judith (Washington RI)	0.03	0.07	0.04	0.10	0.06	0.15
Point Pleasant Beach (Ocean NJ)	0.08	0.19	0.08	0.19	0.10	0.25
Point Pleasant (Ocean NJ)	0.02	0.05	0.02	0.05	0.02	0.06
Portsmouth (Rockingham NH)	0.04	0.10	0.04	0.10	0.06	0.14
Provincetown (Barnstable MA)	0.08	0.19	0.08	0.19	0.08	0.20
Rockport (Essex MA)	0.01	0.01	0.01	0.01	0.04	0.09
Sandwich (Barnstable MA)	0.10	0.25	0.10	0.25	0.10	0.25
Shinnecock (Suffolk NY)	0.07	0.17	0.07	0.18	0.07	0.18
Sneads Ferry (Onslow NC)	0.01	0.03	0.01	0.03	0.01	0.03
South Bristol (Lincoln ME)	-0.05	-0.13	-0.05	-0.13	-0.05	-0.13
Stonington (Hancock ME)	0.01	0.04	0.02	0.04	0.02	0.06
Swan Quarter (Hyde NC)	-0.04	-0.09	-0.04	-0.09	-0.04	-0.09
Tilghman (Talbot MD)	*	*	*	*	*	*
Wanchese (Dare NC)	-0.03	-0.08	-0.03	-0.08	-0.05	-0.12
Wellfleet (Barnstable MA)	0.05	0.13	0.05	0.13	0.06	0.14
Westport (Bristol MA)	0.00	-0.01	0.00	-0.01	*	*
Wildwood (Cape May NJ)	0.00	-0.01	0.00	-0.01	0.00	-0.01

Scaling this individual allocation into two tiers (3.1.2.4.2) would not impact the vessels that qualify for full-time status, since their trip limit would remain the same (and if the 5000 lb qualification option is chosen, then there will only be full-time vessels). It could however

negatively impact those vessels that qualify only for part-time status, since they would be limited to 200 lb trips. As Table 191 shows for vessels qualifying with the 11-yr qualification period, such part-time vessels land the majority of their scallops on trips where scallops are in excess of 200 lbs. Moreover, the distribution of part-time and full-time permits is uneven. With the allocation of pounds being approximately 84-86% for full-time vessels, (depending on whether the 100 or 1000 lb option is chosen), the following ports have more vessels that would qualify for the part-time permit than on average for the east coast. The ports include: Atlantic City NJ, Gloucester MA, Greenport NY, Jonesport ME, Kittery ME, New Bedford MA, New Bern NC, Newport RI, Point Judith RI, Point Pleasant Beach NJ, Portsmouth NH, Rockport MA, Sandwich MA, Shinnecock NY, South Bristol ME, Wanchese NC, and Westport MA (see Table 192). If the vessels from these ports were limited to 200 pounds there could be negative impacts associated with that restriction. For the 100 lb option, Oriental NC also has higher than the norm of part-time allocated lbs (though not for the 1000 lb option). Scaling the individual allocation alternative into three tiers would be roughly similar at the port level as well, but some ports do see some differences (see Table 193). For example, Barnegat Light would see positive impacts, but not as positive as the individual allocation alternative (Alternative 3.1.2.4.1) without tiering, implying that the fishermen homeported there tend to land at the higher end of the tier, but would see their allocation reduced by the average allocation/tier.

Table 191 - Percentage of scallop trips with greater than 200 lbs of scallops landed, fishing years 1995-2004 (for vessels qualifying under the 11-yr qualification period).

	Number of vessels	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Full-time tier vessels	203	88	78	67	67	67	92	91	89	91	95
Part-time tier (with 100lb criteria chosen)	502	90	59	63	42	67	76	65	63	72	86
Part-time tier (with 1000lb criteria chosen)	256	92	62	62	42	67	78	70	65	68	89

Table 192 - Homeports with percentage of allocated lbs to full-time permit tier (Alternative 3.1.2.4.2) (11-yr qualification period, 100 and 1000 lb options respectively)

Atlantic City, NJ	0	0	Chatham, MA	9	96	Newport, RI	0	0	Sandwich, MA	75	77
Barnegat Light, NJ	99	99	Gloucester, MA	5	80	Norfolk, VA	9	98	Shinnecock, NY	84	84
Barnstable, MA	93	94	Greenport, NY	5	0	Ocean City, MD	8	93	Sneads Ferry, NC	10	10
Bayboro, NC	10	10	Jonesport, ME	0	65	Oriental, NC	9	10	South Bristol, ME	0	0
Beaufort, NC	0	0	Kittery, ME	6	4	Point Judith, RI	7	2	Stonington, ME	58	58
Belhaven, NC	94	95	Lubec, ME	0	0	Point Pleasant Beach, NJ	5	65	Swan Quarter, NC	88	90
Belmar, NJ	95	96	Montauk, NY	8	87	Point Pleasant, NJ	8	84	Wanchese, NC	98	10
Brunswick, GA	10	10	New Bedford, MA	7	91	Portsmouth, NH	4	96	Wellfleet, MA	77	81
Cape Canaveral, FL	0	0	New Bern, NC	7	77	Provincetown, MA	5	71	Westport, MA	92	93
Cape May, NJ	99	10	Newport News, VA	3	0	Rockport, MA	1	95	Wildwood, NJ	0	0
	97	97		5	10		5			91	93
	87	87		5	0		3				

Table 193 - Relative changes in general category scallop landings weighted by homeport dependency, for individual allocation alternative with three permit types (3.1.2.4.3)

County, ST (GC scallop landings)	Home Port	Relative and Proportional Impact at Home Port Level									Depend-ency*	General category scallop landings, 2005
		11-year qualification			5-year qualification			2-year qualification				
		100	1000	5000	100	1000	5000	100	1000	5000		
Ocean NJ (9,763,422)	Barnegat Light	-1	0	5	2	3	7	15	16	21	36	6,651,129
	Point Pleasant	-3	-3	-1	-3	-3	-1	4	3	6	23	2,532,974
	Pt. Pleasant Beach	0	1	1	-6	-5	-8	-7	-6	-8	8	149,251
Barnstable MA (4,161,766)	Provincetown	48	52	64	57	61	69	31	33	36	58	1,485,382
	Chatham	11	11	17	16	16	20	3	3	8	38	813,673
	Wellfleet	31	33	47	39	43	53	51	56	66	90	564,263
	Barnstable	5	6	7	7	8	8	-8	-7	-9	18	500,550
	Sandwich	85	89	84	92	102	90	9	-14	-7	79	259,839
Cape May NJ (3,930,850)	Cape May	-3	-3	-3	-3	-3	-3	-2	-2	-2	5	3,089,329
	Wildwood	2	3	6	5	5	7	13	14	16	21	678,469
Atlantic NJ (3,594,082)	Atlantic City	-12	-12	-12	-12	-12	-12	-12	-12	-12	12	2,525,543
Bristol MA (3,057,259)	New Bedford	1	1	1	1	1	1	1	1	1	1	2,731,576
	Westport	-42	-38	-48	-41	-37	-48	-43	-40	-48	48	287,339
Suffolk NY (2,783,760)	Shinnecock	13	16	14	16	17	16	-18	-17	-26	34	980,187
	Montauk	7	6	7	8	7	7	6	5	6	7	507,524
	Greenport	-5	-9	-12	-4	-9	-12	-9	-12	-12	12	115,353
Carteret NC (2,782,220)	Beaufort	-43	-42	-41	-41	-40	-40	-39	-39	-39	63	1,903,030
Hyde NC (1,871,928)	Swan Quarter	-13	-13	-11	-12	-12	-10	-6	-7	-4	28	866,632
Worcester MD (1,790,261)	Ocean City	-40	-39	-37	-38	-38	-36	-43	-42	-43	59	1,790,261
Beaufort NC (1,745,278)	Belhaven	-4	-3	4	1	2	6	21	22	28	59	1,661,893
Essex MA (1,552,064)	Gloucester	15	12	7	8	5	4	-10	-12	-18	39	1,282,849
	Rockport	58	68	63	68	79	69	110	123	111	41	127,604
Newport News VA (1,505,236)	Newport News	-5	-6	-5	-6	-6	-6	-6	-6	-6	6	1,505,236
Washington ME (1,501,709)	Lubec	83	94	104	99	111	114	105	116	119	96	646,565
	Jonesport	93	120	80	75	83	85	-49	-54	-54	54	282,964
Brevard FL (1,452,124)	Cape Canaveral	-15	-14	-11	-13	-13	-10	-4	-4	1	41	1,452,124
Pamlico NC (1,383,571)	Bayboro	-8	-9	-5	-5	-7	-3	4	5	10	38	372,854
	Oriental	-2	-4	-4	-2	-4	-3	0	-2	-1	9	275,863
Hancock ME (1,192,508)	Stonington	36	35	43	2	5	9	38	39	49	99	791,381
Onslow NC (1,101,916)	Sneads Ferry	-47	-45	-37	-42	-41	-34	-22	-20	-11	100	1,101,916
Craven NC (960,993)	New Bern	-12	-12	-12	-12	-12	-12	-12	-12	-12	12	960,993
Norfolk (City) VA (668,751)	Norfolk	3	3	4	3	3	4	6	6	7	4	668,751
Dare NC (605,119)	Wanchese	-2	-2	-3	-1	-2	-3	0	0	-1	6	595,562
Talbot MD (590,418)	Tilghman	-100	-100	-100	-100	-100	-100	100	-100	-100	100	590,418
York ME (530,157)	Kittery	-94	-91	-98	-98	-98	-98	-98	-98	-98	98	414,110
Rockingham NH (491,455)	Portsmouth	-7	-6	-6	-6	-4	-5	-9	-10	-11	25	437,550
Glynn GA	Brunswick	92	93	124	108	108	132	178	178	210	100	476,036

(476,036)													
Monmouth NJ (439,728)	Belmar	109	114	145	125	129	154	194	199	231	78	187,471	
Lincoln ME (411,719)	South Bristol	-26	-17	-32	-26	-20	-30	-11	-3	-16	66	313,464	
Washington RI (313,041)	Point Judith	4	2	0	4	1	1	3	0	0	2	254,479	
Newport RI (260,648)	Newport	-2	-11	-13	-6	-13	-13	-8	-13	-13	13	209,946	

Years are fishing years. Only includes homeport counties that in 2005 had at least 250,000 in general category scallop landings, and homeports with at least 100,000 in general category scallop landings and at least three general category vessels. Dependency means % of general category scallop landings to total homeport, 2005 (i.e. the landed value of those vessels who homeport in that community).

The stand alone alternative for the individual transferable quota (3.1.2.4.4), which would allow purchasing and trading of quotas from vessels that have historical landings, would create flexibility for those fishermen not receiving any or too little quota. However, a tradable quota system also could result in negative social impacts that have been identified with traditional ITQs, such as industry consolidation (despite the cap) with its potentially negative impacts on community sustainability and values.

The stand alone alternative with a quarterly hard TAC (3.1.2.4.5) could lessen the impacts on those fishermen that have moved cyclically in and out of the scallop fishery, albeit the two permit system would have the same impacts as noted above for 3.1.2.4.2. Additionally, the hard TAC could create conditions for derby fishing, though the quarterly accounting could lessen that tendency. However, while the fleet wide TAC (3.1.2.4.6) would not impact full and part time scallop fishermen differently, it has none of the controls of the previous measures and could result in derby fishing that has long-term negative consequences for the fishery as a whole, and additional negative impacts on small or less mobile vessels who do not fish in all bottoms or in all weather. The TAC with quarterly accounting (3.1.2.4.7), again, could lessen that tendency towards derby fishing somewhat.

5.5.1.3 Permit Provisions (3.1.2.5)

Fishing History and Permit Transfers (3.1.2.5.1) are designed to follow the Consistency Amendment. Given however that the general category fishery has been dominated by many small vessels, the initial qualification based on dealer reports may be more difficult for these smaller vessels unless VTR reports are given some consideration, given dealer records are not always specified at the vessel level for smaller vessels. The qualification and retention of permits specified in the sale of vessels (3.1.2.5.1.2) would enable flexibility for fishing participants in line with already negotiated sales, but without creating conditions of overcapacity, while under No Action (3.1.2.5.1.1), the history of a vessel is presumed to stay with the vessel regardless of pre-sale retention agreements, which would negatively affect the participants in these agreements.

Vessel Upgrades (3.1.2.5.2) and Vessel Replacements (3.1.2.5.3) have the potential to help sustain the small, day-boat, owner-operated character of the fishery and the communities that participate in it. The no-upgrade restriction (3.1.2.5.2.1) (**proposed action**), while positively impacting participants at the vessel level in the short-term, could have negative social consequences if it leads to overfishing or if it changes the small, day-boat character that is still

preferred by participants overall, although if trip limits of 400 lbs continue this may be unlikely. The 10:10:20 upgrade restriction (3.1.2.5.2.2) would allow some restricted upgrading, which again could positively impact fishermen, especially given many general category fishermen participate in other fisheries as well throughout the year, while still preserving the day-boat fishery.

Provisions concerning the Stacking of Permits (3.1.2.5.4) address questions of vessel and fishery sustainability. Given the lack of data concerning the prevalence of owner-operations or fleet boats in the fishery, it is difficult to predict impacts with any precision. If many vessels qualify and allocations are therefore low, it may be difficult for vessels that depend on the fishery to make a living from it, or sustain their business. Particularly if leasing is allowed, stacking of permits would help the viability of participants, in particular those who depend primarily on the fishery (3.1.2.5.4.3). However, stacking could lead to pressures for consolidation with possible negative impacts at the community level and negative impacts on cultural values emphasizing the small, day-boat character of the fishery, which No Action (3.1.2.5.4.1) would address. Both Voluntary Relinquishment of Eligibility (3.1.2.5.5) and Permit Splitting (3.1.2.5.6) measures would be in line with the Consistency Amendment, and would not have any foreseeable major social impacts, albeit any positive ones associated with reducing capacity, and negative ones associated with the difficulties for young community members to gain access to the fishery, and ensuing issues for community sustainability. Likewise, Permit Renewals and Confirmation of Permit History (3.1.2.5.7) would enable fishermen to retain fishing history privileges, positively impacting their fishing businesses and the communities that depend on them. The Percentage Ownership Restriction (3.1.2.5.8) would stem some of the pressures towards consolidation, with positive implications for community sustainability and for those who value the small day-boat nature of the fishery; again, it is difficult to ascertain that with precision, given the lack of data concerning the prevalence of owner-operations or fleet boats in the fishery.

5.5.1.4 Measures to reduce incentive to use trawl gear (3.1.2.6)

Almost $\frac{3}{4}$ of all general category scallop trips in 2005 involved the use of the scallop dredge (Table 194). Using the longest time period for qualification (11 years) and the most inclusive qualification criteria (one trip of 100 lbs or more), most vessels would not be negatively affected by the option to prohibit a vessel from switching to trawl if it qualified using dredge gear (3.1.2.6.2), compared to the No Action measure (3.1.2.6.1). Moreover, if trawl gear does in fact favor small scallops with negative consequences for biomass and the health of the fishery, then ensuring that the trawl fishery does not increase in the future, could have positive social impacts in the long-term. Of the 452 general category vessels whose landings are recorded in logbook records and appear to qualify via at least one of the qualification criteria, over half (185) used only scallop or other dredge to land scallops, and 195 vessels used trawl gear only. This leaves 72 vessels that used a combination of dredge and trawl during the 11-year qualification period to catch scallops. Of these vessels, most do not catch the majority of their scallops with trawl gear, so the rule would result in some loss of income and some inconvenience to fishermen on mixed trips. Five vessels saw the majority of their landings with trawl but also did use dredge during the qualification period as well. These vessels would be required to use dredge only so would be negatively affected by the ruling. However, in 2006 one of these vessels was using only dredge so may have already made the adjustments to this rule, and only one was fishing still with trawl

(the other 3 showed no logbook landings of scallops in 2006). Impacts at the port level therefore would presumably be minimal, but some impacts are expected on an individual basis.

Table 194 - 2005 General category scallop trips by gear used (for all vessels)

Gear type	No. of Trips	Scallop lbs, total	Percent of scallop lbs
Dredge, Scallop	13,928	4,537,769	72.3
Dredge, Other	950	199,673	3.2
Scallop Trawl	2,153	769,739	12.3
Other Trawl	2,571	768,531	12.2
Misc. gear	1	863	0.0
		6,276,575	100.0

The lower possession limit for trawl vessels (3.1.2.6.3), or the measure to limit scallop trips to 5% of regulated species (3.1.2.6.4), could have less negative impact on trawl fishermen compared to 3.1.2.6.2, in that they could continue to use trawl on mixed trips without having to throw out all scallops, or haul out for new gear. At the port level, impacts are minimal (using the most inclusive, 11 year, 100lb qualification criteria), based on logbook records for fishing year 2005. Table 195 below shows the percentage loss for these different measures (3.1.2.6.3.1, a 250lb possession limit, 3.1.2.6.3.2, a 300lb possession limit, and the 5% regulation) compared to the value of general category in fishing year 2005. No measure had an impact of 10%, and only the 5% rule had a greater than 5% impact, yet on a port that had only 9% dependency on general category scallop landings. (Not all vessels that would qualify for a limited access general category permit showed landings during fishing year 2005, so it is unknown the degree to which this might over or understate port level impacts.)

Table 195 - Homeport level impacts from trawl measures

Homeport	General category scallop landings, 2005	Dependency	% impact from 3.1.2.6.3.1	% impact from 3.1.2.6.3.2	% impact from 3.1.2.6.4
Bayboro, NC	372,854	37.8	0	0	1
Beaufort, NC	1,903,030	62.8	3	2	1
Belhaven, NC	1,661,893	59.2	3	2	1
Cape Canaveral, FL	1,452,124	40.7	2	1	0
Montauk, NY	507,524	6.6	3	3	3
New Bedford, MA	2,731,576	1.4	1	0	0
Norfolk, VA	668,751	4.4	2	2	1
Oriental, NC	275,863	8.9	4	2	7
Point Pleasant Beach, NJ	149,251	8.1	3	2	0
Swan Quarter, NC	866,632	28.0	2	1	4
Wanchese, NC	595,562	5.9	1	1	0

2005 fishing year only; based on raw uncorrected data. Only includes homeport counties that in 2005 had at least 250,000 in general category scallop landings, and homeports with at least 100,000 in general category scallop landings and at least three general category vessels. Dependency means % of general category scallop landings to total homeport, 2005 (i.e. the landed value of those vessels who homeport in that community).

5.5.1.5 Sectors and Harvesting Cooperatives (3.1.2.7)

Cooperatives and sectors have the potential to provide flexible opportunities for participants to remain in the fishery under various biomass conditions, to create more participatory governance that can address such questions as capacity and other social issues in culturally appropriate ways. Thus there is the potential for positive social, economic, and ecological impacts to the degree that sectors/cooperatives are successfully run. As many scoping comments noted though, the

fishery will be in some flux if a limited access measure is implemented, so the measure may be somewhat premature, but does allow the flexibility to pursue alternative management regimes in the future. However, as one scoping comment noted, depending on the amount and internal allocations within a sector, the historic characteristic of a day-boat fleet could be changed if the sectors members are able to fish like offshore boats on multiple day trips.

Because the details of sector management will be included in the operations plan and submission will be accompanied by appropriate NEPA documents, impacts on the social community would be evaluated by the proponents at that time and accepted by the agency with any accompanying caveats on the sector operations.

5.5.1.6 Interim measures for transition to limited entry (3.1.2.8)

Overall both these alternatives are not expected to have substantially different impacts from the No Action/ Status Quo alternative for allocation. Section 5.4.12 summarizes the expected economic impacts from these measures.

5.5.2 Hard Total Allowable Catch (3.1.3)

Although scoping comments revealed general support for different kinds of hard TAC, a fleet-wide TAC has the potential to create derby-fishing conditions, with all the negative social impacts that can ensue from unsafe fishing practices, oversupply of product and consequences for shore-side industries and consumers, and overcapitalization in the fishery. Moreover, a fleet-wide TAC that leads to derby fishing tends to favor large boats over small ones, with negative consequences for the historical character of the general category fishery.

5.5.3 Northern Gulf of Maine Scallop Management Area (3.1.4)

The application of Amendment 11 measures without special provisions for geographical differences (3.1.4.1) could unevenly affect those participants, namely in Northern Maine, who may have pursued the fishery differently than other participants, i.e. a longer history of involvement but not in recent years due to resource conditions, use of scallop fishery in flexible annual rounds that may vary seasonally and annually, and so on. The creation of a Northern Gulf of Maine scallop area (NGOM) in which Amendment 11 does not apply (3.1.4.2) could positively impact these general category fishermen who have traditionally fished only in the NGOM as part of flexible annual rounds, but who may not qualify under Amendment 11 measures that, depending on which measures are chosen, may not incorporate such fishing into qualification criteria. Although the total amount of scallops caught in the NGOM over the 11-year period of 1994 – 2004 (using option A) by general category scallop fishermen who would not qualify (under the 11-yr, 100lb criteria) is only 13%, such impact is not evenly distributed. Over half of these landings (54%) come from just five ports, most of which are in Downeast Maine and whose landings come from closely surrounding waters: Bucks Harbor ME, Jonesport ME, Gloucester MA, Brooklin ME, and Sorrento ME. Of these, while only about 4% of Gloucester's general category scallop landings came from the NGOM (option A) by vessels who would not qualify (under the 11-yr, 100lb criteria), over 57% of Bucks Harbor's and Jonesport's came from such fishermen, and all of Brooklin's and Sorrento's landings came from these non-qualifiers. Hence, the impact of a NGOM management area (3.1.4.2) could potentially impact

only a small number of ports, but ports where the positive impacts are substantial, in that they are places often heavily dependent on fishing.

It should be noted that vessel fishing location data is based on logbook data, and not all vessels who appear to have landings in logbooks have qualified for a limited access general category permit on dealer data alone. If these vessels then do qualify for such a permit in an appeals process, then this analysis might be overstating the positive impacts of this measure. On the other hand, because this measure is open to any vessel with a VMS-1B general category permit, access to the area would not be restricted to those who may have traditionally fished there and the measure would not reap the social and ecological benefits associated with locally-controlled or community-based management, and could—if resource conditions improve—create an influx of effort and potentially derby fishing conditions with a hard TAC.

A NGOM limited entry program (3.1.4.3) would share a number of the possibly negative impacts from 3.1.4.2: a hard TAC could potentially lead to derby fishing; and the non-exclusivity of the area (a vessel that qualifies for a limited entry general category permit could fish there, whether or not they have a NGOM-only permit) would not enhance locally-controlled or community-based management or participatory governance. As well, the NGOM limited entry measure would be available only to those vessels who qualify under the 11-yr, 100lb criteria, potentially excluding those participants who have fished traditionally as part of a regional flexible annual round (unless logbook records qualify these vessels who do not appear in the dealer records). The restriction of the NGOM permit to fish only in the NGOM would further impact vessels negatively, for while some vessels do fish exclusively in the NGOM (particularly non-qualifiers), they do not always, and many Maine fishermen have relied on other areas such as Cape Cod waters, when the resource conditions in Maine are poor. The restriction of vessels to a particular area has more merit in social and ecological terms when it is coupled with the ability to restrict access (i.e. locally-based or community-based management), which this measure does not institute.

A NGOM limited entry program without a landings criteria (3.1.4.4) (**proposed action**) would share a number of the possibly negative impacts from 3.1.4.2: a hard TAC could potentially lead to derby fishing; and the non-exclusivity of the area (a vessel that qualifies for a limited entry general category permit could fish there, whether or not they have a NGOM-only permit) would not enhance locally-controlled or community-based management or participatory governance. As well, the NGOM limited entry measure would be available only to those vessels that had a permit at the time of the control date, potentially excluding those participants who have fished traditionally as part of a regional flexible annual round in previous years. The restriction of the NGOM permit to fish only in the NGOM would further impact vessels negatively, for while some vessels do fish exclusively in the NGOM (particularly non-qualifiers), they do not always, and many Maine fishermen have relied on other areas such as Cape Cod waters, when the resource conditions in Maine are poor. The restriction of vessels to a particular area has more merit in social and ecological terms when it is coupled with the ability to restrict access (i.e. locally-based or community-based management), which this measure does not institute. Both limited entry alternatives for the NGOM may have further impacts on how those vessels can fish in state waters as a result of a rule NMFS has proposed to revise limited access permit programs

to prevent a vessel from fishing under a state permit before it has applied for or renewed its federal permit (72 FR 17085). On April 6, 2007 NMFS published a proposed rule that will likely become final later this summer that will prevent all limited access permit holders from fishing or landing (in federal or state waters) any species of fish authorized by the permit, unless and until the permit has been issued or renewed. This potential revision is seen as a conservative provision that will prevent a federal permit from fishing under the federal TAC and then moving into state waters, but could have impacts on vessels that fish for scallops in state waters, particularly if the federal TAC is reached relatively quickly.

5.5.4 Monitoring Provisions (3.1.5)

Requiring some form of monitoring in addition to VTR's would enable NMFS to better monitor either quotas or TACs, which would provide long-term benefits to the industry by ensuring overall compliance and helping to stabilize resource conditions compared to No Action (3.1.5.1). Additional monitoring does incur negative burdens on fishing participants in terms of increased time and general hassle, but given that active vessels already have in place VMS, measure 3.1.5.2 would presumably not create major negative impacts (**proposed action**). Alternative 3.1.5.3 that requires reporting through IVR is not expected to have social impacts either.

5.5.5 Limited access fishing under general category rules (3.1.6)

Continuing to allow limited access vessels to fish under general category rules (3.1.6.1.1) or continuing to allow only those who would qualify under the same criteria proposed for general category vessels (3.1.6.1.2) (**proposed action**), could negatively impact general category vessels (particularly if these limited access landings are deducted from the general category TAC as in 3.1.6.2.1), and contribute to a sense of unfair treatment between the two fleets (though to a lesser extent if limited access vessels are separated by their own TAC as in 3.1.6.2.2). Such measures would of course be a positive impact for those limited access vessels that fish off their DAS, who would be negatively affected by the complete prohibition of this practice (3.1.6.1.4). However, to what extent this occurs is difficult to parse from the data, given difficulties merging call-in data with weighout data by date. An initial list of potential limited access vessels who may be fishing off DAS as general category vessels (which would include trips that should merge with call in data but which do not because dates are not consistent) appears to show that up to 87 vessels in 2004 might be engaging in the general category fishery, most of which are full-time vessels, with over half of these landings by part-time limited access vessels. Thus restricting general category fishing by limited access to only part-time or occasional (3.1.6.1.3) would have less negative impact on general category fishermen, but a positive impact centered on those fishermen who have less allocation to begin with.

5.5.6 Allocation between limited access and general category fisheries (3.1.7)

Continuing to set a non-binding TAC (No Action, 3.1.7.1) would avoid the negative social impacts associated with a hard TAC and derby fishing; however the possibility of exceeding soft TAC limits has long-term social and ecological impacts from the health of the fishery. Setting a fixed allocation of the total available scallop harvest to the general category fleet (3.1.7.2) would preclude such problems, though depending on how the fishery is regulated when the TAC is reached, negative social impacts could ensue from, for example, derby fishing.

For the yellowtail flounder bycatch TAC in access areas, continuing with No Action (3.1.7.3.1) (**proposed action**) would negatively impact those vessels that are less likely to fish in the early winter months (i.e. small vessels, so predominantly the general category fleet) if the larger limited access fleet quickly reaches the overall 10% TAC for the scallop fishery as a whole. Allocating a percentage of the bycatch TAC to the general category fishery (3.1.7.3.2) would mitigate that issue, for inter-fleet differences (though not for intra-fleet differences in capability). However, the measure does continue to allow only the limited access vessels to land yellowtail, while the general category fleet cannot, which undoubtedly will cause the persistence of general displeasure from throwing catch overboard.

5.5.7 Incidental Catch (3.1.8)

This measure continues the allowance of incidental bycatch of scallops up to 40 lbs (3.1.8.1.). Given that only low mortality from incidental catch is expected, the impacts to the scallop fleet should be low. The impacts of the incidental catch permit alternative (**proposed action** to allow a vessel to possess/land and sell up to 40 pounds per trip) will have positive impacts on vessels that do not qualify for a limited access general category permit because it will allow them to still earn some income from scallops under the incidental catch permit. Furthermore, this alternative may provide more flexibility for vessels that do qualify for the limited access general category permit but opt for this permit instead, if fishing for more trips under 40 pounds is more advantageous than fishing for scallops under the 400 pound permit.

5.5.8 More Timely Integration of Data (3.2)

Keeping the scallop fishing year at March 1 (No Action, 3.2.1) would create no negative impacts in the short-term on the fleet associated with changes in business or fishing practices. It would however, continue problems resulting from mis-estimation of TACs and the need for compensatory regulatory action, and the fact that actions are not implemented at the start of the fishing year. These problems indirectly cause problems for fishermen from the constant barrage of regulatory action, which itself can unsettle business and fishing practices. Changing the general category permit to March 1 to be in line with the limited access fishery (3.2.1.1) would create consistency in the fishery, but would not address the problems above. Moreover, it would create complications for the general category fleet, many of whom do participate in other fisheries which have the more common May 1 start date. If the start of the fishing year is changed to May 1 (3.2.2) (**proposed action**), then consistency would be created across most fisheries and regulatory action might be more consistently applied depending on timing of research surveys, with positive benefits for the fishery, though there would be the cost associated if fishermen had to change their fishing practices in any way. This would also be the case if the fishing year were changed to August 1 (3.2.3), and though this would more likely insure timely integration of data given the current survey schedule, it would not have any of the possible benefits associated with creating consistency across all fisheries, which might be positive for those fishermen who participate in more than one fishery.

5.5.9 Other measures

5.5.9.1 Trawl gear restrictions (3.3.1)

Clarification of trawl gear restriction for vessels fishing under a multispecies or monkfish DAS (3.3.1.2) (**proposed action**) would positively impact those general category vessels that have been restricted by the trawl net sweep regulation, even when catching scallops only incidentally, as in No Action (3.3.1.1). Given its application to a fishery with only incidental catch, it is not expected to have negative impacts on the scallop fishery overall.

5.5.9.2 Possession limit of 50 bushels (3.3.2)

Setting the possession limit of 50 bushels to apply only shoreward of VMS demarcation line (3.3.2.2) (**proposed action**) would more fairly allow general category fishermen who retain unshucked scallops to reach the 400lb limit of scallop meat, compared to No Action (3.3.2.1) which would limit possession to 50 bushels at all times. This new measure would only be of positive benefit to those fishermen who are able to shuck before they reach the demarcation line though, and given the lack of data on how many fishermen land in shell, it is difficult to predict the magnitude of impact.

5.6 OTHER IMPACTS

5.6.1 Other fisheries

This section summarizes the impacts of the alternatives under consideration on other fisheries that general category vessels may be involved in, or other fisheries that could be impacted by the measures under consideration.

5.6.1.1 Measures to control capacity and mortality in the general category scallop fishery

5.6.1.1.1 No Action

Based on recent trends in the general category fishery, this alternative makes it difficult for the Scallop FMP to prevent overfishing (Section 5.1.1.1). The general category fishery is open access and if conditions are right in terms of scallop price and availability of resource relatively close to shore, the only limit on general category effort is a possession limit. The No Action alternative could have positive impacts on other fisheries by relieving pressure on other fisheries if vessels continue to fish under general category. However, the true impact of the No Action alternative on other fisheries is difficult to predict because the overall nature of the general category fishery is opportunistic. While some vessels have historically participated in the general category fishery consistently, it is not usually a year round directed fishery. In recent years some vessels have become more dependent on scallops (See Table 196) but many vessels still fish in other fisheries and fish for scallops under general category. Furthermore, if conditions decline in the general category fishery, these vessels could return to other fisheries they have permits for, so the overall impacts on other fisheries is uncertain.

5.6.1.1.2 Limited Entry (proposed action)

In order to fish under general category rules a vessel would have to qualify for a limited access general category permit. Limited entry in and of itself could have negative impacts on other fisheries because vessels that do not qualify may increase effort in other fisheries to make up for revenue losses. However, many of the vessels that may not qualify have not had a large dependence on scallops, so their fishing activity in other fisheries may not change much. However, there are some vessels particularly those that got a permit after the control date that have developed a high dependence on scallops in recent years. Table 196 shows that about 20 vessels from New England that got their permit after the control date have landed scallops in 2005 and 2006. The percent of total revenue from scallops for these vessels was about 85% in 2005 and 78% in 2006. And for the Mid Atlantic region, over 60 vessels have become active in the general category fishery with permits after the control date and their landings and percent revenue from scallops is about 88% and 95% for 2005 and 2006. It is likely that the other fisheries these vessels were involved in before 2005 may be subject to more fishing pressure compared to recent years if these vessels plan to maintain the same total revenue as they did in 2005 and 2006.

As for vessels with a permit before the control date, their dependence on scallops in recent years is lower overall. The average scallop pounds and revenue per vessel is similar to vessels with a

permit after the control date by region, but the percent of total revenue from scallops is much lower for the qualifying vessels. In general, vessels in the Mid-Atlantic seem more dependent on scallop revenue in recent years, compared to vessels from New England.

Table 196. Landings and Revenues by general category vessels by permit date and primary region of landing

Permit Before the control date	REGION	Data	2005 Fishyear	2006 Fishyear ⁽¹⁾
NO	New England	Number of active vessels	20	21
		Scallop lb. per vessel (\$)	5,080	6,322
		Scallop revenue per vessel (\$)	40,103	43,716
		Total revenue per vessel (\$)	49,330	58,268
		Total scallop landings	101,598	132,772
		% of revenue from scallops	84.80%	77.88%
		Total scallop revenue (\$)	802,061	918,041
		Total revenue (\$)	986,604	1,223,635
	Mid Atlantic	Number of active vessels	61	67
		Scallop lb. per vessel (\$)	21,987	13,905
		Scallop revenue per vessel (\$)	171,512	86,899
		Total revenue per vessel (\$)	186,774	93,324
		Total scallop landings	1,341,179	931,617
		% of revenue from scallops	88.06%	95.10%
Total scallop revenue (\$)		10,462,252	5,822,243	
Total revenue (\$)		11,393,234	6,252,721	
YES	New England	Number of active vessels	266	249
		Scallop lb. per vessel (\$)	6,094	7,825
		Scallop revenue per vessel (\$)	48,739	51,702
		Total revenue per vessel (\$)	257,071	180,653
		Total scallop landings	1,620,977	1,948,380
		% of revenue from scallops	41.82%	47.90%
		Total scallop revenue (\$)	12,964,619	12,873,773
		Total revenue (\$)	68,380,810	44,982,641
	Mid Atlantic	Number of active vessels	250	195
		Scallop lb. per vessel (\$)	16,751	11,907
		Scallop revenue per vessel (\$)	124,320	70,359
		Total revenue per vessel (\$)	312,063	133,002
		Total scallop landings	4,187,718	2,321,836
		% of revenue from scallops	61.69%	70.06%
Total scallop revenue (\$)		31,080,079	13,719,921	
Total revenue (\$)		78,015,805	25,935,420	
Total Number of vessels			597	532 ⁽²⁾

(3) The data for 2006 fishyear is preliminary and includes data up to Jan.18, 2007. This data may not yet include all the revenues from other species, thus could underestimate total revenue and/or overestimate percentage of scallop revenue in total revenue.

(4) There 543 vessels that landed scallops in 2006, but some of these vessels did not have complete revenue information, thus not included in the Table.

Table 197 is the composition of total revenue by qualification landing and time period alternatives based on landing criteria from the 2005 fishing year. The number of vessels per

alternative, and their average scallop revenue for 2005 compared to revenue from other fisheries is described. Fishing year 2005 is the most recent fishing year with complete landings information to compare scallop and other fishery revenues. General category scallop landings and revenues were high for this particular fishing year compared to other years so these dependence percentages are probably an overestimate compared to earlier years. Overall, the percent of total revenue from scallops is higher for vessels that had a permit before the control date and are going to qualify under the different qualification alternatives, as compared to vessels that had a permit before the control date and will not qualify. For example, for the 11 year period alternative and 100 pound landings criteria 318 vessels that fished in 2005 will qualify and these vessels had an average of 50% dependence scallop revenue, compared to the 46 vessels that fished that year and will not qualify. These vessels had an average of 22% of total revenue from scallops. Note that for this same alternative there are 152 vessels that had a permit before the control date and fished in 2005 but will not qualify for the 100 pound criteria. These vessels on average had 62% of total revenue from scallops for 2005. The vessels that are not going to qualify will likely participate in other fisheries to gain revenue lost, but effort in those fisheries may not increase because many of the other fisheries in this region have individual or total limits on effort. For example, if a vessel with a multispecies permit does not qualify for a limited access general category permit, overall fishing pressure in the multispecies fishery may not increase as a result of limited entry in the general category fishery because that vessel is only permitted to fish up to a certain amount under the Multispecies FMP as it is.

Table 197 - Composition of total revenue by qualification criteria and time period alternatives in 2005 fishing year. (proposed action shaded)

Time Period	Qualification lb. Criteria	Qualify	Number of active vessels	Scallop Revenue as a % of Total Revenue	Average scallop revenue per vessel (\$)	Average Revenue from other species per vessel	Average scallop revenue per vessel (\$)	Total scallop revenue (\$)	Total revenue (\$)
General category vessels that had a permit before the control date									
11 Years	Not active	NO	152	62%	86,069	133,974	220,043	13,082,434	33,446,503
	100	NO	46	22%	38,431	336,142	374,573	1,767,825	17,230,372
		YES	318	50%	91,806	209,199	301,005	29,194,439	95,719,740
	1000	NO	130	24%	41,490	347,717	389,207	5,393,692	50,596,884
		YES	234	60%	109,267	157,199	266,467	25,568,572	62,353,228
	5000	NO	233	28%	42,152	312,814	354,966	9,821,372	82,707,035
YES		131	80%	161,381	69,482	230,863	21,140,892	30,243,077	
5 years	Not active	NO	172	58%	81,021	148,091	229,112	13,935,636	39,407,306
	100	NO	43	24%	37,044	288,418	325,462	1,592,874	13,994,860
		YES	301	51%	94,738	214,213	308,952	28,516,188	92,994,449
	1000	NO	120	23%	39,283	345,405	384,688	4,713,964	46,162,614
		YES	224	61%	113,371	158,177	271,548	25,395,098	60,826,695
	5000	NO	214	29%	42,581	316,778	359,359	9,112,295	76,902,805
YES		130	80%	161,514	69,921	231,435	20,996,767	30,086,504	
2 Years	Not active	NO	210	54%	77,154	177,612	254,766	16,202,289	53,500,875
	100	NO	36	24%	34,371	244,157	278,528	1,237,369	10,027,021
		YES	270	53%	98,537	208,384	306,921	26,605,040	82,868,719
	1000	NO	105	26%	42,961	312,458	355,419	4,510,888	37,318,958
		YES	201	62%	116,077	160,424	276,501	23,331,521	55,576,782
	5000	NO	192	31%	44,868	297,568	342,436	8,614,703	65,747,782
YES		114	81%	168,664	69,476	238,140	19,227,706	27,147,958	
General category vessels that had a permit after the control date									
From March 2005 to Jan.2006		NO	81	87%	139,066	13,772	152,838	11,264,313	12,379,838

Table 198 includes landings and revenue information for other fisheries compared to scallop for several years, 2002-2005. Note that the revenue information for 2005 is preliminary so probably underestimates revenue in other fisheries, particularly the clam fishery. This table describes the composition of revenue for general category vessels by category of dependence on scallop revenue (less than 10%, 10-29%, 30-59%, 60-89% and over 90%). The average number of trips per year has remained similar for each dependence category. In terms of revenue from other fisheries, vessels that depend less on scallops (<10%) seem to depend more on groundfish, clam, squid, fluke and monkfish. Over the last few years the total revenue from these fisheries have fluctuated, while average revenue from scallops has increased. Total revenue for these vessels from clams has reduced while revenue from monkfish and lobster have increased. Revenue from groundfish, fluke and squid have remained similar from 2002 to 2005. Vessels that have been somewhat dependent on scallops (10-29% of total revenue) have seen an increase in revenue from scallops on average. Dependence on other fisheries for this group seems to vary year to

year. In some years fluke was an important source of income, some years lobster and other years groundfish. The number of vessels that have become more dependent on scallop revenue has increased with time (30-59% and 60-89%). The primary other sources of revenue for these vessels (for these years) are groundfish, monkfish and fluke. Lastly, the number of vessels that depend on scallop revenue for over 90% of total revenue has increased in recent years. These vessels are landings hardly anything else as compared to scallops.

Table 198 - Composition of revenue for general category vessels by % revenue from scallops

All vessels that had a permit before control date		FISHYEAR				
DEPENDCAT	Data	2002	2003	2004	2005	Grand Total
LT 10%	Number of vessels	170	174	208	152	704
	Number of trips per vessel	5.4	5.0	5.6	4.7	5.2
	Avg. scal.landings per vess.	784	768	1,251	1,261	1,021
	Scallop revenue per vessel	\$ 3,046	\$ 3,264	\$ 5,685	\$ 6,990	\$ 4,731
	SHRIMPREV per vessel	\$ 5,494	\$ 3,844	\$ 2,750	\$ 256	\$ 3,145
	SURFCLAMREV per vessel	\$ 20,529	\$ 36,685	\$ 19,295	\$ 842	\$ 19,907
	OTHCLAMREV per vessel	\$ 28,292	\$ 43,460	\$ 48,768	\$ 2	\$ 31,982
	MONKREV per vessel	\$ 15,105	\$ 14,322	\$ 26,816	\$ 39,963	\$ 23,739
	FLUKEREV per vessel	\$ 26,016	\$ 37,865	\$ 31,130	\$ 34,208	\$ 32,224
	LOLISQUIREV per vessel	\$ 40,539	\$ 32,218	\$ 23,753	\$ 35,529	\$ 32,441
	SILHAKEREV per vessel	\$ 9,659	\$ 10,611	\$ 4,077	\$ 10,914	\$ 8,516
	LOBREV per vessel	\$ 4,854	\$ 5,799	\$ 11,739	\$ 16,564	\$ 9,650
	GRDREV per vessel	\$ 133,215	\$ 116,998	\$ 147,903	\$ 166,329	\$ 140,696
	HERREV per vessel	\$ 346	\$ 47	\$ 138	\$ 1,429	\$ 445
OTHREV per vessel	\$ 37,274	\$ 36,454	\$ 46,729	\$ 51,884	\$ 43,019	
Total revenue per vessel	\$ 338,494	\$ 351,165	\$ 368,264	\$ 417,539	\$ 367,488	
10%-29%	Number of vessels	28	31	33	32	124
	Number of trips per vessel	16	21	22	19	20
	Avg. scal.landings per vess.	4120	6267	6433	5177	5545
	Scallop revenue per vessel	\$ 17,005	\$ 28,237	\$ 32,345	\$ 37,185	\$ 29,103
	SHRIMPREV per vessel	\$ 3,564	\$ 4,523	\$ 2,727	\$ 12	\$ 2,664
	SURFCLAMREV per vessel	\$ -	\$ -	\$ 8,830	\$ 1,550	\$ 2,750
	OTHCLAMREV per vessel	\$ -	\$ -	\$ 29,325	\$ -	\$ 7,804
	MONKREV per vessel	\$ 8,850	\$ 7,535	\$ 14,666	\$ 11,667	\$ 10,796
	FLUKEREV per vessel	\$ 12,354	\$ 19,277	\$ 31,710	\$ 23,431	\$ 22,095
	LOLISQUIREV per vessel	\$ 2,580	\$ 3,644	\$ 20,160	\$ 20,401	\$ 12,123
	SILHAKEREV per vessel	\$ 3,460	\$ 1,356	\$ 648	\$ 3,311	\$ 2,147
	LOBREV per vessel	\$ 261	\$ 12,667	\$ 411	\$ 13,952	\$ 6,936
	GRDREV per vessel	\$ 43,459	\$ 54,098	\$ 22,076	\$ 29,219	\$ 36,753
	HERREV per vessel	\$ -	\$ 553	\$ 5	\$ 10	\$ 142
OTHREV per vessel	\$ 14,959	\$ 15,994	\$ 31,663	\$ 35,120	\$ 24,866	
Total revenue per vessel	\$ 100,557	\$ 145,291	\$ 195,113	\$ 199,303	\$ 162,388	

30%-59%	Number of vessels	14	23	33	45	115
	Number of trips per vessel	30	40	36	37	36
	Avg. scal.landings per vessel	10219	13871	13230	9877	11679
	Scallop revenue per vessel	\$ 47,980	\$ 1,741	\$ 60,715	\$ 6,094	\$ 69,301
	SHRIMPREV per vessel	\$ 2,475	\$,028	\$ 122	\$ 397	\$ 697
	SURFCLAMREV per vessel	\$ -	\$ -	\$ -	\$ 4,971	\$ 1,945
	OTHCLAMREV per vessel	\$ -	\$ -	\$ -	\$ 647	\$ 253
	MONKREV per vessel	\$ 24,926	17,674	\$ 4,127	7,927	\$ 10,855
	FLUKEREV per vessel	\$ 4,788	\$ 29,008	\$ 49,048	\$ 28,284	\$ 31,527
	LOLISQUREV per vessel	\$ 10	\$ 355	\$ 3,065	\$ 4,156	\$ 2,578
	SILHAKEREV per vessel	\$ 5,617	\$ 212	\$ 160	\$ 883	\$ 1,117
	LOBREV per vessel	\$ 832	\$ 149	\$ 3,743	\$ 3,051	\$ 2,399
	GRDREV per vessel	\$ 36,019	\$ 11,188	\$ 14,810	\$ 15,764	\$ 17,041
	HERREV per vessel	\$ -	\$ -	\$ 8	\$ 2	\$ 3
	OTHREV per vessel	\$ 11,314	\$ 13,782	\$ 15,237	\$ 27,284	\$ 19,182
	Total revenue per vessel	\$ 125,358	\$ 136,086	\$ 153,239	\$ 197,119	\$ 163,584
	60%-89%	Number of vessels	11	15	33	65	124
Number of trips per vessel		27	42	46	62	52
Avg. scal.landings per vessel		21034	13232	16355	21124	18892
Scallop revenue per vessel		\$ 88,740	\$ 61,425	\$ 76,710	\$ 161,731	\$ 120,495
SHRIMPREV per vessel		\$ 242	\$ 715	\$ -	\$ 26	\$ 121
SURFCLAMREV per vessel		\$ -	\$ -	\$ -	\$ 929	\$ 487
OTHCLAMREV per vessel		\$ -	\$ 23	\$ -	\$ 10	\$ 8
MONKREV per vessel		\$ 11,897	\$ 11,736	\$ 5,376	\$ 3,311	\$ 5,641
FLUKEREV per vessel		\$ 15,994	\$ 4,992	\$ 4,508	\$ 22,036	\$ 14,774
LOLISQUREV per vessel		\$ 27	\$ 104	\$ 304	\$ 745	\$ 486
SILHAKEREV per vessel		\$ 14	\$ 11	\$ -	\$ 30	\$ 18
LOBREV per vessel		\$ 66	\$ 150	\$ 280	\$ 2,021	\$ 1,158
GRDREV per vessel		\$ 6,209	\$ 2,783	\$ 2,388	\$ 4,454	\$ 3,858
HERREV per vessel		\$ -	\$ -	\$ -	\$ 2	\$ 1
OTHREV per vessel		\$ 1,972	\$ 7,173	\$ 12,253	\$ 14,084	\$ 11,687
Total revenue per vessel		\$ 124,647	\$ 87,778	\$ 101,695	\$ 224,698	\$ 166,525
90% or more		Number of vessels	76	83	118	206	483
	Number of trips per vessel	24	33	36	51	40
	Avg. scal.landings per vess.	6074	9057	16524	16310	13505
	Scallop revenue per vessel	\$ 29,605	\$ 43,672	\$ 87,267	\$ 132,360	\$ 89,935
	SHRIMPREV per vessel	\$ -	\$ -	\$ 5	\$ 27	\$ 13
	SURFCLAMREV per vessel	\$ -	\$ -	\$ -	\$ 18	\$ 8
	OTHCLAMREV per vessel	\$ 1	\$ 0	\$ -	\$ 10	\$ 5
	MONKREV per vessel	\$ 123	\$ 122	\$ 122	\$ 531	\$ 297
	FLUKEREV per vessel	\$ 1	\$ 23	\$ 33	\$ 137	\$ 71
	LOLISQUREV per vessel	\$ -	\$ -	\$ 1	\$ 25	\$ 11
	SILHAKEREV per vessel	\$ -	\$ -	\$ -	\$ 9	\$ 4
	LOBREV per vessel	\$ -	\$ -	\$ 54	\$ 27	\$ 25
	GRDREV per vessel	\$ 51	\$ 101	\$ 191	\$ 272	\$ 188
	HERREV per vessel	\$ -	\$ -	\$ -	\$ 14	\$ 6
	OTHREV per vessel	\$ 106	\$ 3	\$ 141	\$ 765	\$ 378
	Total revenue per vessel	\$ 31,491	\$ 43,902	\$ 89,229	\$ 134,768	\$ 91,777

5.6.1.1.2.1 Allocation of access for general category limited access qualifiers

The DSEIS includes several alternatives for allocation combined with limited entry. Most of these alternatives include an individual allocation program. In general, the impacts on other fisheries from all the individual allocation alternatives are expected to be similar because there is a total amount of effort per vessel that will be permitted under each alternative. The option to allocate in pounds (proposed action) versus trips may change fishing behavior which could have impacts on other fisheries, but the direction of that impact is uncertain. For example, if qualifying vessels are awarded access in trips it could increase incentive for vessels to change behavior and land up to the maximum 400 pound limit, since the total number of trips would be limited. If some general category vessels usually land a more incidental level of scallops now, the allocation in trip alternative may cause these vessels to fish for scallops independent of other species to maximize revenue from the number of trips they are allocated. If these vessels then fish in other fisheries on different trips, total effort for these vessels may increase; however effort in other fisheries would remain the same. It cannot be determined if overall effort in other fisheries would increase or decrease as a result, since other vessels may choose to land up to 400 pounds of scallops on a trip that they otherwise would not land that many scallops and may focus on other species.

Hard TACs can have negative impacts of derby fisheries, which could have negative impacts on other fisheries. Vessels may have a greater incentive to fish for scallops as soon as the TAC is available and then switch to other fisheries the rest of the year, compared to fishing for both fisheries at once. If this alternative does change behavior it could increase impacts on other fisheries if some vessels that used to land groundfish and scallops on the same trip for example, decide to take more “directed” scallop trips up to 400 pounds under the hard TAC alternative and then focus on groundfish after the scallop TAC is fished. Total effort on groundfish should not increase as a result, but the vessel may be less efficient by fishing separately for scallops and groundfish.

5.6.1.1.2.2 Limited entry permit provisions

The alternatives under consideration for limited entry permit provisions are not expected to have any direct impacts on other fisheries. Provided that a qualified vessel would be permitted to have more than one limited access permit, then overall effort in other fisheries should not be affected.

5.6.1.1.2.3 Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear

These alternatives reduce incentive for qualifying vessels to target scallops with trawl gear. The Scallop PDT analyzed VTR data from 2005 for trips landing scallops with trawl gear. Most trips where scallops were landed using trawl gear were targeting other species; however there are a number of vessels that target scallops using trawl gear. In summary, when general category vessels with trawl gear were targeting other species like groundfish, monkfish, skate, squid and scup, about 50% of the trips landed less than 300 pounds per trip. In fact, for many of the other species, average scallop landings were lower. Table 4 summarizes the average scallop landings per trip by target species for general category vessels using trawl gear.

Table 199 - Percentiles of scallop landings per trip by target species for general category vessels using finfish trawls.

Target species or group	Trips	Vessels	Percentile						
			5%	10%	25%	50%	75%	90%	95%
Yellowtail flounder	152	68	50	60	114	231	369	400	400
Groundfish	163	69	45	50	65	100	150	380	400
Summer flounder	178	59	50	63	111	300	340	394	400
Skate	37	18	68	80	100	273	396	400	400
Monkfish	91	54	50	50	100	206	347	400	400
Scallops	2778	84	50	220	300	300	398	400	400
Scup	14	6	26	31	79	275	324	400	400
Loligo	9	7	59	73	150	300	300	314	342
Lobster	1	1	*	*	*	*	*	*	*
All	3423	203	50	97	286	300	395	400	400
All but scallops	645	160	50	50	90	180	340	400	400

Alternative 3.1.2.6.2 was developed to prevent an expansion in general category scallop effort using trawl gear and Alternatives 3.1.2.6.3 and 3.1.2.6.4 were developed to reduce incentive to fish for scallops with trawl gear. Since most effort using trawl gear is on vessels targeting other species, the impacts of these alternatives are not expected to affect other fisheries. Specifically the level of effort in other fisheries is expected to be similar, but potential landings of scallops may be reduced with lower possession limits.

5.6.1.1.2.4 Sectors and Harvesting Cooperatives

This action is considering a process for the creation of fishing “sectors” and the allocation of TAC shares to the sectors within the general category fishery. None of the options related to establishing a sector are expected to have impacts on other species since vessels in the sector would not be permitted to “pool” their access in other fisheries; the sector would be limited to general category scallop access privileges only. Sectors may have an indirect benefit on other fisheries if the sector is able to reduce bycatch in other fisheries, thus reducing non-harvest mortality of those species. However, because the details of sector management will be included in the operations plan and submission will be accompanied by appropriate NEPA documents, impacts on other fisheries would be evaluated by the proponents at that time and accepted by the agency with any accompanying caveats on the sector operations.

5.6.1.1.2.5 Interim measures for transition to limited entry

Overall, the impacts on other fisheries from both these alternatives is uncertain, they will limit capacity and mortality by reducing the number of vessels that can fish under general category, but non-qualifiers may increase fishing on other fisheries to make up lost revenue. However, many of the vessels that may not qualify have not had a large dependence on scallops, so their fishing activity in other fisheries may not change much. However, there are some vessels particularly those that got a permit after the control date that have developed a high dependence on scallops in recent years.

The alternative with the hard TAC option has a higher likelihood of controlling mortality up to 10% of the total projected catch, but depending on how the hard-TAC is implemented there may be impacts on other fisheries. Since most current general category vessels have other permits, once the general category scallop TAC is caught many of those vessels will likely prosecute

other fisheries, so the impact on other fisheries is uncertain since it is unknown if effort in other fisheries would reduce, stay the same or increase as a result of a hard TAC. Since 10% is similar to catch in recent years, effort shift in other fisheries may not be very different than in recent years; however, the hard-TAC option may change behavior and if the TAC is caught earlier in the year vessels may fish in other fisheries during the latter part of the year. The alternative with no hard-TAC option does not have a backstop for total mortality, but the number of vessels that can participate in this fishery is reduced compared to the open access nature of the current fishery, so non-qualifiers may shift effort into other fisheries to make up for revenue losses.

5.6.1.1.3 Hard Total Allowable Catch (Hard TAC)

Since most general category vessels have other permits, once the general category scallop TAC is caught many of those vessels will likely prosecute other fisheries, so the impact on other fisheries is uncertain since it is unknown if effort in other fisheries would reduce, stay the same or increase as a result of a hard TAC.

5.6.1.1.4 Establish a Northern Gulf of Maine Scallop Management Area (NGOM)

Under Alternative 3.1.4.2, an open access permit to fish for scallops under general category would remain for the NGOM, and a vessel could land up to 400 pounds of scallops per trip if the vessel has VMS (IB permit). This alternative could have negative impacts on other fisheries in this region due to potential increases in impacts from fishing gear from an open access fishery. Since this alternative includes a hard TAC the potential negative impacts of open access on non-target species in this area would be reduced.

Alternatives 3.1.4.3 and 3.1.4.4 (proposed action) would develop a separate limited entry general category program in the NGOM. If these alternatives change behavior of vessels in this area in terms of catch composition to take advantage of the scallop TAC before it is caught, then there could be impacts on other fisheries. But the overall impact on other fisheries is uncertain since it is unknown if effort in other fisheries would reduce, stay the same or increase as a result of this permit.

5.6.1.1.5 Monitoring Provisions

Both Alternative 3.1.5.2 (**proposed action**) and 3.1.5.3 have indirect benefits on other fisheries that general category vessels may impact as compared to the No Action alternative because reporting through VMS or IVR improves monitoring of fishing effort. Accurate information about fishing location improves knowledge of potential impacts on other fisheries.

5.6.1.1.6 Limited access fishing under general category rules

Since most limited access scallop vessels do not have permits in other fisheries, these alternatives are not expected to have impacts on other fisheries. If access to the general category fishery is taken away or reduced for these vessels, most do not have the ability to make up lost revenue in other fisheries because they do not have permits to land those species.

5.6.1.1.7 Allocation between limited access and general category fisheries (Objective #1)

These alternatives are not expected to have impacts on other fisheries since they are related to how scallop TAC is allocated. It could be argued that on average general category vessels tend

to have permits in more fisheries, and a percentage of their overall revenue comes from other fisheries, so if a smaller TAC was awarded to the general category fishery, those vessels may be able to make up some revenue lost in other fisheries. This could cause some increased impacts on other fisheries if effort is shifted out of the scallop fishery.

Allocation of yellowtail flounder bycatch TAC in access areas

Alternative 3.1.7.3.2 would actually divide the yellowtail bycatch TAC between the limited access and general category fisheries. Whatever overall allocation of the projected scallop catch is allocated to the general category fishery (2.5%-11%), that same percentage of the yellowtail flounder bycatch cap would also be allocated to the general category fleet for access areas. This alternative is not expected to have direct impacts on other fisheries since it is limited to scallop trips in access areas.

5.6.1.1.8 Incidental Catch (Objective #4)

There are no impacts on other species from either of these alternatives. Allowing vessels to possess scallops caught incidentally while fishing for other species is not expected to impact non-target species. Vessels fishing for other species could land and sell up to 40 pounds of scallop meat under Alternative 5.1.7.2 (proposed action), which should increase revenue for that trip for vessels targeting other species. Forty pounds of scallop meat per trip is not expected to be an incentive for a vessel to go out and target scallops, so there should not be additional effort associated with the new permit category. Furthermore, it would be restricted to vessels that qualify under the qualification time period alternative selected; it would not be open access. The primary purpose of this alternative is to reduce bycatch of scallops caught incidentally on trips targeting other species.

5.6.1.2 Measures to allow better and more timely integration of recent data (Goal #2, Objective #5)

In general these alternatives will not impact other fisheries. The alternatives that change the start of the fishing year could have impacts on other fisheries depending on when the fishery begins and what allocation access alternative is adopted (i.e. IFQ versus hard-TAC without limited entry). If the general category fishery is managed under a fleetwide hard-TAC as a result of this action then it is possible that there will be derby effects causing an increase in effort at the start of the fishing year, or in the case of the interim period, at the start of each quarter. If the fishing years changes to a time of year when a) bycatch rates are higher for non-target species, or b) vessels that normally fish for scallops and other species on the same trip decide instead to “direct” on scallops before the TAC is reached, then this effort could result in negative impacts on other fisheries. However, changing the fishing year to May or August is not expected to have overall impacts on other fisheries because there are other measures in those fisheries that control effort, so vessels will be constrained by those measures as well. One potential impact on other fisheries raised during the public comment period was the benefit of the scallop fishing year being several months before the start of the multispecies fishing year from a port perspective. It was explained that vessels usually have work done on them before the start of a fishing year, so because the fishing years are staggered, maintenance work on scallop vessels is usually done first and then multispecies vessels. This was presented as a beneficial impact of leaving the scallop

fishing year at March 1, and could have indirect benefits on other fisheries in terms of competition for maintenance work.

5.6.1.3 Other measures

Trawl sweep restriction

Alternative 3.3.1.2 (proposed action) would clarify that the 144 ft. net sweep restriction is intended for all vessels authorized to be in possession in excess of 40 pounds of scallop meat, except for vessels with a general category 1B permit and fishing under a multispecies or monkfish DAS. The net restriction on trawl sweep size may have had beneficial impacts on non-target species by restricting vessels to use trawl gear up to 144 ft, but the Council intended this restriction for vessels targeting scallops, not vessels that catch scallop incidentally. Therefore, if this is clarified then vessels fishing for other species and landing scallops on the same trip should not be affected by this clarification. Effort in other fisheries is not expected to increase as a result of this alternative.

Modification to the 50 bushel possession limit east of the demarcation line

This alternative would allow a vessel to shuck scallops up to 400 pounds of meat and not run the risk of being in possession of more than the possession limit. This alternative is not expected to have impacts on other fisheries.

5.6.2 Impacts on non-target species

The directed general category fishery operates throughout the range of the scallop resource from Maine to North Carolina and results in the incidental catch of several other species. While some species are retained, other species are discarded due to restrictions in other fisheries or if the catch is not of value. Measures to minimize bycatch to the extent practicable in the scallop fishery pertain to all scallop vessels, including general category scallop vessels. The primary measures are the 10-inch minimum twine top restriction, and the bycatch TAC for yellowtail flounder in access areas. The 4-inch minimum ring size may also reduce finfish bycatch and reduces the bycatch of small scallops. The Northeast (NE) Multispecies and Monkfish FMPs also include measures to limit bycatch of species under the management of the specific FMP. The following measures in the FMPs apply:

The Northeast Multispecies FMP prohibits fishing in the Gulf of Maine/Georges Bank (GOM/GB) and Southern New England Exemption Areas unless a vessel is using exempted gear, is fishing under NE multispecies or scallop DAS, or is fishing under an exempted fishery. The prohibition prevents fisheries from occurring that might result in bycatch that could jeopardize the goals of the NE Multispecies FMP. Exempted fishery procedures in the NE Multispecies FMP allow a proven “clean” fishery to be implemented and allowed under the NE Multispecies FMP. Currently, the general category fishery can operate in two areas of the GOM/GB Exemption Area and in a portion of the SNE Exemption Area. In all three areas, vessels are restricted to 10 ½ ft dredges and may not possess any species other than scallops. In addition, in the Great South Channel Sea Scallop Exemption Area within the GOM/GB Exemption Area, general category scallop vessels may not fish for scallops from April through June for one sub-area (the month of June for the other sub-area). This period has been identified as the peak

spawning for yellowtail flounder and protects high concentrations of yellowtail flounder from a portion of the scallop fleet.

The Monkfish FMP allows vessels fishing for other species to harvest monkfish depending on the monkfish permit category, the declared fishing activity (i.e., multispecies DAS, scallop DAS, and/or monkfish DAS), the area fished, and the gear used. Unless otherwise restricted under another FMP, a vessel fishing outside of monkfish DAS, and while fishing for scallops under general category rules, is permitted to catch and retain up to 50 lb of monkfish tails per day, up to 150 lb total for the trip. This limitation prevents a scallop vessel using dredge gear from targeting monkfish and limits bycatch during scallop trips.

Other FMPs include overall quotas, state-by-state quotas, possession limits, and gear restrictions that may also reduce bycatch. The Skate and Summer Flounder/Scup/Black Sea Bass FMPs offer examples. The Skate FMP restricts possession of some species of skates and requires a permit to catch and land skate. Vessels fishing for scallops under general category rules would be restricted to the Skate FMP possession limits, limiting the impacts on skates as bycatch. Management measures for the summer flounder fishery include a state-by-state quota. When the quota is closed in a particular state, vessels can no longer land summer flounder in that state. When the quota is closed, scallop vessels from that state, fishing under general category rules, may have less incentive to fish in areas where summer flounder catch might be high since it could not be landed in the closed state.

These measures under other FMPs would continue to limit the impacts on bycatch species that are caught in the general category scallop fishery under all of the alternatives considered in Amendment 11.

The impacts of limited access scallop vessels fishing outside of DAS (i.e., under general category rules) are considered to be consistent with the impacts of general category scallop vessels since the restrictions on these vessels are the same.

This section summarizes the impacts on bycatch or non-target species that interact with fishing gear when vessels are fishing for scallops under general category. Since this action is considering an allocation of TAC to the general category fishery, a skate baseline review is required, see Section 5.6.2.4.

5.6.2.1 Measures to control capacity and mortality in the general category scallop fishery

5.6.2.1.1 No Action

Based on recent trends in the general category fishery, this alternative makes it difficult for the Scallop FMP to prevent overfishing (Section 5.1.1.1). The general category fishery is open access and if conditions are right in terms of scallop price and availability of resource relatively close to shore, the only limit on general category effort is a possession limit. The No Action alternative could have negative impacts on non-target species if effort in the general category fishery continues to increase. Interaction of fishing gear from these vessels could have negative

impacts on non-target species; more potential fishing effort could increase interaction of scallop fishing gear with non-target species.

5.6.2.1.2 Limited Entry (proposed action)

In order to fish under general category rules a vessel would have to qualify for a limited access general category permit. Limited entry in and of itself would have positive impacts on non-target species as compared to the No Action alternative by reducing the number of potential participants. The participants that qualify may increase effort above levels they have historically fished, but reducing capacity decreases the number of vessels that could fish under this permit, having benefits on non-target species. In terms of the qualification alternatives under consideration, there is not a big difference in impacts on non-target species, because the amount of total effort allocated to this component of the fishery is the same no matter which qualification alternatives are selected. For example, if the most restrictive alternative is selected, the number of vessels would be fewer, but each individual vessel would be allocated more access, so overall effort would be the same. However, impacts on non-target species would vary depending on which vessels qualify.

For example, if more vessels qualify from Mid-Atlantic ports, the impacts on non-target species in that region would be greater. Under the least restrictive alternative (100 pounds and 11-year time period) of the 705 potential qualifiers, about 499 of them are from New England and 206 are from mid-Atlantic ports (Table 82 through Table 85). Therefore, impacts on non-target species in New England could be impacted by more potential qualifiers than in the Mid-Atlantic, but the total level of effort will not be greater than status quo levels. Furthermore, while more vessels may qualify from New England, their level of access may be lower than the vessels from the Mid-Atlantic, which on average have fished more directly on scallops than vessels from New England.

The alternatives that determine the allocation amount for each qualifier will not have direct impacts on non-target species.

5.6.2.1.2.1 Allocation of access for general category limited access qualifiers

The DSEIS includes several alternatives for allocation combined with limited entry. Most of these alternatives include an individual allocation program. In general, the impacts on non-target species from all the individual allocation alternatives are expected to be similar because there is a total amount of effort that will be permitted under each alternative. However, there are potential differential impacts on non-target species from a system that allocates in pounds (proposed action) versus trips. If qualifying vessels are awarded access in trips it could increase incentive for vessels to change behavior and land up to the maximum 400 pound limit, since the total number of trips would be limited. If some general category vessels only land a more “incidental” level of scallops now while fishing for other species, the allocation in trip alternatives (Option B) may increase effort if these vessels change behavior to land more scallops per trip. There could be potential negative impacts on non-target species from increased effort. This potential increase in effort is limited however because there is a maximum TAC for the entire fleet under both the individual pound and trip alternatives.

Hard TACs can have negative impacts of derby fisheries, which could have negative impacts on non-target species because a vessel may have less incentive to move from higher bycatch areas. If the fleetwide hard TAC is divided up by quarter or trimester (Alternative 3.1.2.4.7) that will improve negative impacts of a derby fishery, but depending on when the quarters/trimesters are defined could impact non-target species if the beginning of a quarter/trimester coincides with higher discard rates of non-target species.

5.6.2.1.2.2 Limited entry permit provisions

The alternatives under consideration for limited entry permit provisions are not expected to have any direct impacts on non-target species. If there are no controls on upgrade restrictions (Alternative 3.1.2.5.2.1) (proposed action) then impacts on non-target species could increase as a result of increased effort potential, unless those vessels are restricted by upgrade restrictions in other FMPs they have permits for.

5.6.2.1.2.3 Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear

These alternatives reduce incentive for qualifying vessels to target scallops with trawl gear. If these alternatives actually reduce effort by general category qualifiers to use trawl gear, then impacts on non-target species from that gear type will be reduced. Table 34 describes the distribution of general category vessels by gear type. Well over half of all general category landings have been from vessels using dredge gear (Table 35). Figure 47 and Figure 48 depict where scallop effort with trawl gear is in general, so if for example, Alternative 3.1.2.6.3 is selected (a reduction in possession limit) impacts on non-target species in this region from trawl gear could benefit.

5.6.2.1.2.4 Sectors and Harvesting Cooperatives

This action is considering a process for the creation of fishing “sectors” and the allocation of TAC shares to the sectors within the general category fishery. None of the options related to establishing a sector are expected to have impacts on non-target species. In fact, if any the indirect impacts may be beneficial since voluntary sectors may be able to identify ways to fish more efficiently, potentially reducing bottom contact time and impacts on scallops and other species. It is presumed that a self-selecting sector will have a plan to manage their allocation in a way that mutually benefits the sector members and avoids wasteful fishing practices. Specific impacts would have to be addressed as part of a sector operations plan at a separate time in the future. Because the details of sector management will be included in the operations plan and submission will be accompanied by appropriate NEPA documents, impacts on non-target species would be evaluated by the proponents at that time and accepted by the agency with any accompanying caveats on the sector operations.

5.6.2.1.2.5 Interim measures for transition to limited entry

Overall, the impacts on non-target species from both these alternatives will be positive in general, because they will limit the number of vessels that will be able to fish for scallops under general category, thus potential interaction with non-target species will be reduced. The alternative with the hard TAC option may reduce effort compared to the alternative without a hard-TAC because vessels would not be able to fish for scallops once the 10% TAC was caught.

See Section 5.6.2.1.3 for a description of the expected impacts of hard TACs on non-target species. The alternative with no hard-TAC option does not have a backstop for total effort, but the number of vessels that can participate in this fishery is reduced compared to the open access nature of the current fishery, so compared to No Action this alternative is expected to have positive impacts on non-target species. Furthermore, both these alternatives would only be in place on a temporary basis, once the poll of final qualifiers is identified, then the rest of the measures adopted by Amendment 11 could be implemented, namely the allocation of a hard-TAC and allocation of that total general category TAC to qualifiers.

5.6.2.1.3 Hard Total Allowable Catch (Hard TAC)

A fleetwide hard-TAC may have behavioral effects that could increase impacts on non-target species. For example, a hard TAC would increase the incentive to race for fish. If the entire general category hard TAC was available to all vessels with an open access permit it is likely that the TAC would be caught relatively quickly, and if this opening was during a time period of higher bycatch of non-target species that would have negative impacts compared to spacing effort out. On the other hand if the opening is during a season with lower impacts that could reduce impacts on non-target species. Since most general category vessels have other permits, once the general category scallop TAC is caught many of those vessels will likely prosecute other fisheries, still interacting with non-target species.

5.6.2.1.4 Establish a Northern Gulf of Maine Scallop Management Area (NGOM)

Under Alternative 3.1.4.2, an open access permit to fish for scallops under general category would remain for the NGOM, and a vessel could land up to 400 pounds of scallops per trip if the vessel has VMS (IB permit). Since this alternative includes a hard TAC the potential negative impacts of open access on non-target species in this area are reduced.

Alternatives 3.1.4.3 and 3.1.4.4 would develop a separate limited entry general category program in the NGOM. Since these alternatives includes a hard TAC the potential negative impacts of open access on non-target species in this area are reduced. The number of vessels that are expected to qualify under Alternative 3.1.4.3 is 705. Of these vessels, not all are expected to participate in this program if it is adopted, due to distance from fishing grounds from various homeports in the region and the reduced possession limit may make fishing in the NGOM less attractive for some qualifying vessels. For example, out of the 705 potential qualifiers for the 100 lb. alternative and 11-year time period, 358 of them are from states that do not border the NGOM area (447 are from either Maine, New Hampshire or Massachusetts) (See Table 82). Similarly, Alternative 3.1.4.4 would develop a separate limited entry program for more vessels, but there would be a hard-TAC, so the potential negative impacts on non-target species in this area are reduced.

5.6.2.1.5 Monitoring Provisions

Both Alternative 3.1.5.2 (**proposed action**) and 3.1.5.3 have indirect benefits on non-target species caught in the general category scallop fishery as compared to the No Action alternative because reporting through VMS or IVR improves monitoring of fishing effort. Accurate information about fishing location improves knowledge of potential impacts on non-target species.

5.6.2.1.6 Limited access fishing under general category rules

Section 4.4.5 describes the level of limited access effort under general category. The No Action alternative for this section (to permit all limited access vessels to fish under general category rules outside a DAS) it is not expected to have substantial impacts on non-target species as compared to scallop fishing by these vessels under regular their limited access permit. However, if effort increases by this component of the fishery then overall interactions with non-target species could be increased. This type of effort has been permitted since limited access was adopted in 1994, and the level of effort in this capacity has been limited. Alternative 3.1.6.1.2 (proposed action) and 3.1.6.1.3 would only allow limited access vessels that qualify under the same criteria selected for the limited access general category permit to fish under general category rules. The impacts on non-target species from these alternatives are positive compared to the no action because less vessels would have the opportunity to fish. Alternative 3.1.6.1.4 would prohibit all limited access permits (full-time, part-time and occasional) from fishing under general category rules while not on a scallop DAS. This alternative would reduce impacts on non-target species compared to the no action by preventing fishing under this category, but again impacts from this activity are minimal compared to normal scallop fishing by this fleet.

Whether the catch is reduced from the limited access portion of the total TAC (Alternative 3.1.6.2.2) or the general category portion (Alternative 3.1.6.2.1) these alternatives are not expected to have impacts on non-target species since they are related to how scallop catch is allocated and monitored.

5.6.2.1.7 Allocation between limited access and general category fisheries (Objective #1)

These alternatives are not expected to have impacts on non-target species since they are related to how scallop TAC is allocated. In general, general category vessels are less efficient because they use smaller gear and fewer crew. However, total bottom contact time is not necessarily higher per pound of scallop meat caught. For example, if a general category vessel uses one ten-foot dredge, and a limited access vessel uses two 15-foot dredges, the limited access vessel has three times as much gear in contact with the bottom. The potential impacts on non-target species is proportional to the length of dredge being used, not whether it is being pulled by a limited access or general category vessel. Because the economic incentives for the two fleets are different, there may be impacts on non-target species as a result. In general, vessels will fish to reduce time at sea and maximize profits. Limited access vessels in particular are under DAS, so these vessels need to maximize all their time spent at sea. These vessels are also more mobile, so if there are areas offshore that are more abundant, the limited access vessels are more likely to fish in areas with high abundance to reduce time spent at sea. The less time spent at sea, the less time gear is on the bottom, so potential interactions with non-target species is reduced.

General category vessels cannot fish everywhere because they are more limited by vessel size etc. and they are not managed by DAS so do not have the same incentives to maximize time at sea; therefore, these vessels may spend more time fishing in sub-optimal areas to harvest the daily possession limit which could have higher impacts on non-target species that may live in these areas. On the other hand, there are some non-target species that may be able to escape from smaller gear used by general category vessels compared to larger gear used by the limited access fleet. For example, haddock have an escape response to swim up in the water column

when fishing gear is approaching. There is not sufficient data to compare the bycatch rates of general category and limited access vessels.

5.6.2.1.7.1 Allocation of yellowtail flounder bycatch TAC in access areas

Alternative 3.1.7.3.2 would actually divide the yellowtail bycatch TAC between the limited access and general category fisheries. Whatever overall allocation of the projected scallop catch is allocated to the general category fishery (2.5%-11%), that same percentage of the yellowtail flounder bycatch cap would also be allocate to the general category fleet for access areas. This alternative is not expected to have direct impacts on non-target species. The estimated fishing mortality from an access area assumes all trips are taken, so if dividing that TAC enables one component of the fishery to fish longer, the impacts of those trips have already been accounted for.

There is not sufficient data in the observer database to ascertain whether there are significant differences between bycatch rates on general category and limited access vessels. Some finfish have an escape response when a dredge is approaching, so it could be argued that it would be easier for a finfish to escape a smaller dredge (used on general category vessels as compared to larger dredges on limited access vessels). However, yellowtail flounder do not have a behavioral escape response, rather these fish tend to remain on the bottom or further burrow in the sediment, so it is uncertain if dredge size would affect yellowtail flounder bycatch. Both fleets are required to use 10-inch twine top to reduce finfish bycatch in all areas. There is an experimental fishing permit that is currently researching bycatch on general category vessels east of Cape Cod. It is possible that this study will show that general category vessels may have different bycatch rates than limited access vessels.

5.6.2.1.8 Incidental Catch (Objective #4)

Impacts on non-target species from incidental catch are minimal. Vessels are targeting other species and scallop is actually the non-target species in this instance. So both No Action and the new incidental scallop permit alternative (proposed action) are not expected to have impacts on non-target species.

5.6.2.2 Measures to allow better and more timely integration of recent data (Goal #2, Objective #5)

In general these alternatives will not impact non-target species. If the general category fishery is managed under a fleetwide hard TAC as a result of this action then it is possible that there will be derby effects causing an increase in effort at the start of the fishing year, and in the case of the quarterly hard-TAC for the interim period, at the start of each quarter. If the fishing year changes to a time of year when bycatch rates are higher these alternatives could increase impacts on non-target species. Other alternatives that allocate access on an individual basis would more likely spread effort out and impacts on non-target species would be more distributed throughout the year. In general, under an IFQ program the seasonal fishing patterns should be similar to current patterns and changing the start of the fishing year should not have additional impacts compared to starting on March 1.

5.6.2.3 Other measures

5.6.2.3.1 Trawl sweep restriction

Alternative 3.3.1.2 (proposed action) would clarify that the 144 ft. net sweep restriction is intended for all vessels authorized to be in possession in excess of 40 pounds of scallop meats, except for vessels with a general category 1B permit and fishing under a multispecies or monkfish DAS. While the net restriction on trawl sweep size may have beneficial impacts on non-target species by restricting the maximum size of trawl gear, the Council intended this restriction for vessels targeting scallops, not vessels that catch scallop incidentally. The impacts of this gear type on scallop and other non-target species were analyzed in Scallop Amendment 4, or in other FMPs relative to gear size and other gear restrictions.

5.6.2.3.2 Modification to the 50 bushel possession limit east of the demarcation line

Limiting the amount of in-shell scallops a vessel can be in possession of reduces its incentive to highgrade, and if a vessel wants to shuck its catch and needs more than 50 bushels to reach the 400 pound possession limit, that vessel will have to shuck some of its catch before possessing over 50 bushels. The no action alternative potentially reduces fishing time if the shucked product from 50 bushels ends up being 400 pounds (i.e. the vessel may not have to make another tow if the in-shell product on deck ends up equaling 400 pounds of shucked scallop meat). However, in practice it is common that over 50 bushels are needed to shuck 400 pounds of scallop meat. Alternative 3.3.2.2 (proposed action) would allow a vessel to be in possession of up to 100 bushels east of the demarcation line. This alternative would allow a vessel to shuck scallops up to 400 pounds of meat and not run the risk of being in possession of more than the trip limit. This alternative does not necessarily increase time on the bottom, because a vessel planning to land 400 pounds of meat would continue to fish until it caught the sufficient amount of in-shell product to cut out 400 pounds of meat. This alternative would simply allow the vessel to be in possession of up to 100 bushels before it had to start shucking meats, rather than fishing for 50 bu. of scallops, then shucking those scallops, and then fishing for additional scallops to reach the 400 pound scallop meat possession limit.

5.6.2.4 Skate Baseline Review

The Skate FMP identified and characterized a baseline of management measures in other fisheries that provide additional conservation benefits to skate species. The FMP requires that if the Council initiates an action in another FMP that changes one or more of the baseline measures such that the change is likely to have an effect on the overall mortality for a species of skate in a formal rebuilding program, then a baseline review is required.

A baseline review must be initiated if one of seven categories of management measures are changed which have been identified as beneficial for skates. The seven categories of management measures identified in the Skate FMP are: (i) NE Multispecies year-round closed areas; (ii) NE Multispecies DAS restrictions; (iii) Gillnet gear restrictions; (iv) Lobster restricted gear areas; (v) Gear restrictions for small mesh fisheries; (vi) Monkfish DAS restrictions for monkfish only permit holders; and (vii) Scallop DAS restrictions (See Section 4.1.6 of the Skate FMP for more details). Another issue was added related to the Scallop FMP was included but not as specific. The Skate FMP includes reference to the requirement to complete a skate

baseline review if a TAC is allocated to the general category sector and increased in the future. This topic was included because at the time the Skate FMP was in development, the Council was considering allocating a portion of available scallop catch to the general category fishery in Amendment 10. Ultimately the Council did not allocate a portion of the TAC, but since Amendment 11 is considering a similar alternative the impacts on skate mortality should be considered. Overall, this action as a whole will reduce potential effort from the general category component of the fishery if a hard-TAC or limited entry (combined with or without a hard TAC) is implemented. The range of TAC under consideration is 2.5 to 11% which is lower than general category landings in recent years. Therefore, the overall impacts on skate mortality are expected to be positive as a result of this action.

5.6.3 Enforcement and Safety

This section includes an analysis of the enforceability of the measures under consideration in Amendment 11. In general the measures are enforceable according to the NMFS Office of Law Enforcement.

5.6.3.1 Measures to control capacity and mortality in the general category scallop fishery

No Action

No law enforcement comments.

Limited Entry

- *Qualification criteria alternatives*

No law enforcement comments.

- *Qualification time period alternatives*

No law enforcement comments.

- *Determination of qualification amount*

No law enforcement comments.

- *Allocation of access for general category limited access qualifiers*

All individual allocation alternatives (3.1.2.4.1; 3.1.2.4.1.1) include allocation in pounds (Option A) (proposed action) or trips (Option B). In terms of enforceability, Option B is the preferred strategy for law enforcement. With the present automated VMS capabilities for tracking and trip information, fewer resources would be required to monitor this option. However, for effective enforcement, permit categories should be required to have VMS. With a known number of fishing trips for the year, a captain may have more flexibility to choose his/her trip on market conditions, sea conditions, and fuel economy. As is always the case, safety is ultimately the master's responsibility and this option does not change that responsibility.

Option A in pounds (particularly in Alternative 3.1.2.4.2 with two permit types with different possession limits) would be more difficult for law enforcement. This alternative poses greater incentive to conceal excess pounds, especially for those with a small possession limit, if no

enforcement personnel are present. Whatever landing limits are established, they should remain unchanged for that fishery for that permit category.

As for the individual transferable quota (ITQ) alternative law enforcement would be able to enforce this alternative. As stated in the precepts, unchanged regulations regarding landing limits are highly enforced by state JEA partners. Enforcement would need shore-side web access to current records and data to determine compliance.

Stand alone quarterly hard TAC alternative (Alternative 3.1.2.4.5) option would be enforceable and would require more personnel to monitor vessels for compliance after the closure. If this option were chosen, additional monitoring tools should be explored such as, declarations via VMS prior to crossing the demarcation line as to pounds on board, and a six-hour notice on intended landing port in an attempt discourage possible discrepancies between pounds landed and reported.

Alternative 3.1.2.4.6 (fleetwide-hard TAC with limited entry) would be enforceable and have the same enforcement concerns as above. As for the quarterly/trimester hard-TAC alternative, this alternative has the same enforcement concerns as Alternative 3.1.2.4.5 and would require more personnel to monitor vessels for compliance after the closure as would the hard TAC.

- *Limited entry permit provisions*

The fishing history alternatives (No Action and one vessel potentially qualifying two permits) are not expected to have enforcement impacts. As for the vessel upgrade alternatives, the NMFS Office of Law Enforcement supports consistency as in other vessel upgrades (10:10:20 alternative) and baseline measures. However, the no upgrade restriction alternative (proposed action) is not expected to have enforcement impacts. In addition, the vessel replacement alternative is not expected to have enforcement impacts but it should be consistent with other vessel restrictions.

There are no enforcement impacts on the No Action alternative under permit stacking. The alternatives that consider stacking up to two permits may present difficulty for dockside enforcement to JEA partners unless authorization letters/documents are aboard the vessel at all times. The stacking alternative up to 60,000 or 150 trips would have similar enforcement impacts as above, but if allocation was in trips it would require less labor to enforce using current VMS and would require fewer staff to monitor. In general, the NMFS Office of law enforcement has no comment for other permit alternatives such as permit splitting, permit renewals and maximum percentage ownership restrictions but suggests that they be consistent with other plans.

- *Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear*

The No Action alternative for this section is not expected to have enforcement impacts. The alternative to prohibit a vessel from switching to trawl gear if it qualified under dredge gear would be enforceable. Enforcement would prefer that all permits have the same possession limit while under same activity. Lastly, enforcement prefers a known weight rather than a percentage

in terms of the alternative that would restrict a trawl vessel to have only up to 5% of total regulated species on board to be scallops. It is also easier for fishers to comply with a known poundage rather than a percentage.

- *Sectors and Harvesting Cooperatives*

The NMFS Office of Law Enforcement does not expect impacts from this alternative.

- *Interim measures for transition to limited entry*

There are no enforcement concerns with these measures. See discussion above about enforceability of hard-TACs with limited entry.

Hard Total Allowable Catch (Hard TAC)

The NMFS Office of Law Enforcement has the same concerns as under limited entry (3.1.2.4.5).

Establish a Northern Gulf of Maine Scallop Management Area (NGOM)

In general, any measure considered should be clear, simple, and consistent with other regulations.

5.6.3.2 Monitoring Provisions

These alternatives would improve monitoring and enforcement. The NMFS Office of Law Enforcement suggests that reports should be sent prior to crossing the demarcation line to discourage misreporting if shore side enforcement is not present. The fishers should also designate landing port at least 6-hours prior to their estimated time of arrival. In addition, it would be helpful to enforcement if IVR trip reports were submitted for each trip.

5.6.3.3 Limited access fishing under general category rules

There are no enforcement impacts expected from these alternatives. The NMFS Office of Law Enforcement suggests the above measures be considered.

5.6.3.4 Allocation between limited access and general category fisheries

There are no enforcement impacts expected from these alternatives. There are no enforcement impacts of the allocation of yellowtail flounder bycatch TAC in access areas alternatives.

5.6.3.5 Incidental Catch (Objective #4)

There are no enforcement impacts expected from these alternatives.

5.6.3.6 Measures to allow better and more timely integration of recent data (Goal #2, Objective #5)

There are no enforcement impacts expected from these alternatives. Changing the issuance date of permit alternative would be less confusing for fisheries and minimize the number of fishing years in the FMP, so simpler. Changing the start date is not expected to have impacts on enforcement.

5.6.3.7 Other measures

Trawl sweep restriction

No enforcement concerns.

Modification to the 50 bushel possession limit seaward of the demarcation line

The No Action alternative is in line with the enforcement precepts. Measuring up to 100 bu. seaward could prove problematic and possibly cause safety concerns, but NMFS Office of Law Enforcement is in favor of the stipulation that the vessel can only possess 50 bu. shoreward of the VMS demarcation line.

5.7 CUMULATIVE EFFECTS

5.7.1 Introduction

The term “cumulative effects” is defined in the Council of Environmental Quality’s (CEQ) regulations in 40 CFR Part 1508.7 as:

“The impact on the environment which results from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (Federal or non-Federal) or person undertakes such other actions.”

In 1997, the CEQ published a handbook titled, *Considering Cumulative Effects Under the National Environmental Policy Act*. The CEQ identified the following eight principles of cumulative effects analysis, which should be considered in the discussion of the cumulative effects of the proposed action:

1. Cumulative effects are caused by the aggregate of past, present, and reasonably foreseeable future actions.
2. Cumulative effects are the total effect, including both direct and indirect effects, on a given resource, ecosystem, and human community of all actions taken, no matter who (federal, non-federal, or private) has taken the actions.
3. Cumulative effects need to be analyzed in terms of the specific resource, ecosystem, and human community being affected.
4. It is not practical to analyze the cumulative effects of an action on the universe; the list of environmental effects must focus on those that are truly meaningful.
5. Cumulative effects on a given resource, ecosystem, and human community are rarely aligned with political or administrative boundaries.
6. Cumulative effects may result from the accumulation of similar effects or the synergistic interaction of different effects.
7. Cumulative effects may last for many years beyond the life of the action that caused the effects.
8. Each affected resource, ecosystem, and human community must be analyzed in terms of its capacity to accumulate additional effects, based on its own time and space parameters.

The following analysis will identify and characterize the impact on the environment by the Proposed Action and alternatives considered in Amendment 11 when analyzed in the context of other past, present, and reasonably foreseeable future actions. Summary tables can be found following each of the text sections describing impacts. These tables contain brief text summaries intended to distill the more detailed text descriptions found in this section, and in Section 4.0 (Affected Environment), and Section 5.0 (Environmental Impacts). To enhance clarity and maintain consistency, the following terms are used to summarize impacts:

Table 200 - Terms used in cumulative effects tables to summarize cumulative impacts

Impacts Are Known	Impacts Are Uncertain	Impacts Are Unknown
High Negative/Positive	Potentially High Negative/Positive	Unknown
Negative/Positive	Potentially Negative/Positive	
Low Negative/Positive	Potentially Low Negative/Positive	
Neutral	Potentially Neutral	
No Impact		

**In some cases, terms like “more” and “most” are used for the purposes of comparing management alternatives to each other.*

5.7.2 Valued Ecosystem Components (VECs)

This document was structured such that the cumulative effects can be readily identified by analyzing the impacts on valued ecosystem components (VECs). The affected environment is described in this document based on VECs that were identified specifically for Amendment 11. The VECs identified for consideration in Amendment 11 include: **Atlantic sea scallop resource; physical environment and essential fish habitat (EFH); protected resources; fishery-related businesses and communities; and other fisheries**. While these components of the environment have been identified as the main VECs for this action, there are other objectives required under the Magnuson Act such as net national benefits that are met under this action as well.

VECs represent the resources, areas, and human communities that may be affected by a proposed action or alternatives and by other actions that have occurred or will occur outside the proposed action. VECs are the focus of an EIS since they are the “place” where the impacts of management actions are exhibited. An analysis of impacts is performed on each VEC to assess whether the direct/indirect effects of an alternative adds to or subtracts from the effects that are already affecting the VEC from past, present and future actions outside the proposed action (i.e., cumulative effects). While the document includes a description of other potentially affected parts of the ecosystem such as bycatch and enforcement of scallop measures, these components are not included as a specific VEC for the cumulative effects. They have been described and discussed in terms of impacts, but they were not identified as primary valued ecosystem components.

Changes to the Scallop FMP have the potential to directly affect the sea scallop resource. Similarly, management actions that would alter the distribution and magnitude of fishing effort for scallops could directly or indirectly affect other species and their corresponding fisheries. The physical environment and EFH VEC focuses on habitat types vulnerable to activities related to general category scallop fishing. The protected resources VEC focuses on those protected species with a history of encounters with the general category scallop fishery. The fishery-related businesses and communities VEC could be affected directly or indirectly through a variety of complex economic and social relationships associated with either the general category scallop fishery or any of the other VECs. This VEC also includes a description of the enforceability of measures under consideration since that is a component of the fishery-related environment. When applicable, comments from the enforcement analysis have been included.

The descriptive and analytic components of this document are constructed in a consistent manner. The Affected Environment (Section 4.0) traces the history of each VEC and consequently addresses the impacts of past actions. The Affected Environment section is designed to enhance the readers' understanding of the historical, current, and near-future conditions (baselines and trends) to fully understand the anticipated environmental impacts of the management action proposed in this amendment. The direct/indirect and cumulative impacts of the Proposed Action and other alternatives are then assessed in Section 5.7.6 of this document using a very similar structure to that found in the Affected Environment section. This EIS, therefore, is intended to follow each VEC through each management alternative.

5.7.3 Spatial and Temporal Boundaries

The geographic area that encompasses the biological, physical, and human communities impacts to be considered in the following cumulative effects analysis is described in detail in Section 4.0 of this document. The physical range of the Atlantic sea scallop resource in the northeast region of the US is from Maine to North Carolina. The physical environment, including habitat and EFH, is bounded by the range of the Atlantic sea scallop fishery in the northeast region from Maine to North Carolina and includes adjacent upland areas (from which non-fishing impacts may originate). For Protected Species, the geographic range is the total range of the Atlantic sea scallop fishery. The geographic range for human communities is defined to be those fishing communities bordering the range of the scallop fishery. Lastly, the geographic range for impacts to fish species is the range of each fish species in the western Atlantic Ocean, as described in the Affected Environment section.

Overall, while the effects of the historical general category fishery are important and are considered in this amendment, the temporal scope of past and present actions for scallops, the physical environment and EFH, protected species, fishery-related businesses and communities, and other fisheries is focused principally on actions that have occurred since 1996, when the Magnuson-Stevens Fishery Conservation and Management Act was enacted and implemented new fisheries management and EFH requirements. In 1996, the Magnuson-Stevens Act identified sustained participation of fishing communities as a new National Standard (#8), so consideration of fishery-related businesses and communities is consistent within this temporal scope. The temporal scope for marine mammals begins in the mid-1990s, when NMFS was required to generate stock assessments for marine mammals that inhabit waters of the U.S. EEZ

creating the baseline against which current stock assessments are evaluated. For turtle species, the temporal scope begins in the 1970s, when populations were noticed to be in decline.

The temporal scope for scallops is focused more on the time since the Council first submitted the Scallop FMP in 1982, and particularly since 1994 when Amendment 4 to the FMP implemented the general category scallop permit. The Scallop FMP was developed with comprehensive analysis as part of a complete EIS, which this document serves to supplement and update. The FMP has been adjusted a number of times since 1982, and many elements of the management plan that are not specifically addressed in this amendment will continue to influence the status of the sea scallop resource.

The Atlantic sea scallop fishery has a long history dating back to the late 1800s. Section 1.1 summarizes the major changes in the scallop fishery and management program since the FMP was approved in 1982. Landings information for the scallop fishery date back to the early 1900s (Serchuck et al, 1979), but the temporal scope for fishery-related businesses and communities extends back to 1994 to consider impacts from the date the general category permit was first issued.

The temporal scope of future actions for all five VECs extends five years into the future. This period was chosen because of the dynamic nature of resource management and lack of specific information on projects that may occur in the future, which make it difficult to predict impacts beyond this time frame with any certainty.

5.7.4 Past, Present and Reasonably Foreseeable Future Actions

Section 4.0 of this document summarizes the current state of the scallop resource and the limited access and general category scallop fisheries, and it provides additional information about habitat, protected resources, and non-target species that may be affected by the Proposed Action.

5.7.4.1 Past and Present actions

The impacts of past and present actions have been considered relative to the VECs in this amendment and are described below and presented in Table 202.

Scallop Resource

The Council established the Scallop FMP in 1982 and later implemented several Amendments and Framework Adjustments to modify the original plan. See Section 1.1 for a detailed description of past and present actions. One major action in the past (1994) includes Amendment 4, which implemented limited access for the directed scallop fishery that is primarily managed by DAS and other controls such as crew limits and gear restrictions. During that same year, large areas on Georges Bank were closed to scallop fishing because of concerns over finfish bycatch and disruption of spawning aggregations.

In 1999 Framework Adjustment 11 to the Scallop FMP allowed the first scallop fishing within portions of the Georges Bank groundfish closed areas since 1994. Since then, several other framework actions have provided controlled access in these areas. In 2004 Amendment 10 to the Scallop FMP introduced rotation area management and changed the way that the FMP allocates

fishing effort for limited access scallop vessels. Instead of allocating an annual pool of DAS for limited vessels to fish in any area, vessels had to use a portion of their total DAS allocation in the controlled access areas defined by the plan, or exchange them with another vessel to fish in a different controlled access area. Vessels could fish their open area DAS in any area that was not designated a controlled access area. The amendment also adopted several alternatives to minimize impacts on EFH, including designating EFH closed areas, which included portions of the groundfish mortality closed areas. The most recent action that provided controlled access in the access areas was Framework 18 for FY2006 and FY2007.

The cumulative impacts of past and present management actions have resulted in substantial effort reductions in the scallop fishery. Sea scallop biomass has increased steadily since 1999. It is estimated that area rotation management will end overfishing and provide a healthy resource for scallop fishermen to harvest for the long-term. Overall, the realized reductions in effort have been positive for the scallop resource.

Physical Environment and EFH

The effects of mobile bottom-tending gear (trawls and dredges) on fish habitat have been recently reviewed by the National Research Council (NRC 2002). This study determined that repeated use of trawls/dredges reduce the bottom habitat complexity by the loss of erect and sessile epifauna and smoothing sedimentary bedforms and bottom roughness. This activity, when repeated over a long term also results in discernable changes in benthic communities, which involve a shift from larger bodied long-lived benthic organisms for smaller shorter-lived ones. This shift also can result in loss of benthic productivity and thus biomass available for fish predators. Therefore, such changes in bottom structure and loss of productivity can reduce the value of the bottom habitat for demersal fish, such as haddock and cod. These effects varied with sediment type with lower level of impact to sandy communities, where there is a high natural dynamic nature to these bedforms, to a high degree of impact to hard-bottom areas such as bedrock, cobble and coarse gravel, where the substrate and attached epifauna are more stable. Use of trawls and dredges are common in inshore and offshore areas and somewhat less common in riverine areas. The primary gear used in the scallop fishery is dredge gear; however, there is some otter trawl gear used in the scallop fishery. It is assumed for this analysis that the effects of bottom tending mobile gear, particularly dredge gear, are generally moderate to high, depending upon the type of bottom and the frequency of fishing activities to demersal species affected by this action.

These activities, which cause impacts to essential fish habitat for a number of federally managed species in a manner that is more than minimal and less than temporary in nature, have been mitigated by the measures in Amendment 10. Amendment 10 implemented a series of year-round closed areas to scallop gear to protect EFH in those areas. Furthermore, a gear modification (4-inch ring size) was implemented to reduce contact with the bottom. And total DAS allocated under Amendment 10 were reduced, which had additive benefits for EFH by reducing overall scallop fishing effort. It should be noted that sea scallop EFH is not considered adversely affected by dredge or otter trawl fishing effort.

Table 201 includes a description of measures implemented by the Council in last major FMP amendments to minimize, mitigate or avoid adverse impacts on EFH.

In Amendment 13 to the Multispecies FMP and Framework 16 to the Scallop FMP, the New England Council implemented a range of measures to minimize the impacts of bottom trawling in the Gulf of Maine, Georges Bank and Southern New England. In addition to the significant reductions in days-at-sea and some gear modifications, the Council closed 2,811 square nautical miles to bottom-tending mobile fishing gear (known as Habitat Closed Areas). See Table 201 for a description of the actions implemented in recent Council actions that act to minimize, mitigate or avoid impacts on EFH that are more than minimal and less than temporary in nature.

Although on August 2, 2005, the portions of Framework 16 that modify the habitat closures established by Amendment were vacated by a court order, measures to minimize adverse effects of gear used in the scallop fishery that adversely affect EFH above the threshold allowed by law remain in effect due to the regulations promulgated as a result of Amendment 13 to the Northeast Multispecies FMP. It should be noted that the Amendment 13 and the Framework 16 habitat closure boundaries are exactly the same and are both Level 3 closures.

Because Amendment 11 does not propose any changes to the current measures to minimize the adverse impacts of scallop fishing on EFH that were previously established, no additional measures are needed at this time. Additionally, cumulatively, the Amendment 11 actions to constrain the growth of the General Category Scallop fleet, which has experienced rapid and unrestricted growth in recent years, will be positive for EFH.

Table 201. Description of measures implemented by Council in last major FMP amendments to minimize, mitigate or avoid adverse impacts on EFH.

Measure	Source FMP (implemented by)	Description	Description of Habitat Impacts	Overall Habitat Impact
CLOSED AREA MEASURES				
Mortality Closure	Multispecies	Retention of existing groundfish closed areas in the Gulf of Maine, George's Bank and Southern New England. Addition of Cashes as a year round closure	Year-round closures provide habitat benefits to the areas within the closures. The addition of Cashes Ledge as a year-round closure will benefit EFH. Rare kelp beds are found in that area.	+
Habitat Closed Areas (MPAs)	Multispecies and Scallop	2811 square nautical miles closed to bottom-tending mobile gear indefinitely in five separate closed areas in GOM, GB and SNE.	Significant benefits to EFH by minimizing adverse effects of bottom trawling, scallop dredging and hydraulic clam dredging by prohibiting use.	+
Rotational Area Management (RAM)	Scallop	Amendment 10 implemented a rotational area management strategy which introduced a systematic structure that determines where vessels can fish and for how long. Framework adjustments will consider closure and re-opening criteria.	Expected to have positive effects on habitat because effort on gravelly sand sediment types is expected to decline. In general, swept area is expected to decline in most of the projected scenarios (especially in the Mid-Atlantic region), which could have positive impacts on EFH.	+
Habitat Closed Areas (MPAs)	Monkfish	Amendment 2 closed Oceanographer and Lydonia Canyons to trawls and gillnets on a monkfish DAS.	Precautionary action taken to ensure that any expansion of the monkfish fishery as a result of the other measures in Amendment 2 will not affect sensitive deep-sea canyon habitats for which EFH is designated.	+
EFFORT REDUCTION MEASURES				
Monkfish DAS usage by limited access permit holders in scallops and multispecies	Monkfish	Retain current requirement for vessels to use both monkfish DAS and scallop or multispecies DAS simultaneously	This alternative relies on the scallop and multispecies management plans to set DAS levels (with the exception of when DAS fall below 40 DAS). As DAS have been reduced by management actions over the past two years, consequent impacts on habitat by the directed monkfish fishery have been reduced proportionally. Further reductions are possible depending on management actions in these two plans.	+

Measure	Source FMP (implemented by)	Description	Description of Habitat Impacts	Overall Habitat Impact
fisheries				
Capacity Control	Multispecies	DAS can be transferred with restrictions and new measures for “reserve days”	Any measure that is intended to reduce the amount of time fishing by mobile gear will likely have benefits to EFH. These measures reduce amount of latent effort as well.	+
DAS Reductions	Multispecies	Mix of adaptive and phased effort reduction strategies. A days (60% of effective effort) B days (40% of effective effort) C days (FY01 allocation). Provides opportunity to fish on stocks that do not need rebuilding.	Reducing DAS will likely benefit EFH by reducing the amount of time vessels can fish.	+
DAS Limits	Scallops	Amendment 10 implemented a new program that allocates specific number of DAS for open areas and controlled access areas.	The total DAS allocation in open areas is significantly less than the Status quo DAS allocation. Less DAS translates into less fishing effort, so positive for EFH. Furthermore, CPUE in controlled access areas is expected to be greater, thus the gear is expected to spend less time on the bottom.	+
Possession Limits	Scallops	Reduced possession limit for limited access vessels fishing outside of scallop DAS	Vessels with limited access permits are currently allowed to possess and land up to 400 lbs per trip of shucked scallop meats when not required to use allocated DAS; this measure will reduce possession limit to 40 lbs/trip) and reduce fishing effort by vessels that have been targeting scallops under the higher general category possession limit. Scallops harvested under this provision cannot be sold.	+
GEAR MODIFICATION MEASURES				
Minimum mesh size on directed MF DAS	Monkfish	Mobile gear vessels are required to use either 10-inch square or 12-inch diamond mesh in the codend. Gillnets must be at least 10 inches	The mesh size regulations do not have a direct effect on habitat, but may indirectly minimize adverse effects of the fishery on complex bottom types by reducing the ability to catch groundfish, and therefore the incentive to target those fish in hard bottom areas.	+
Roller gear restriction	Monkfish	Establishes maximum roller gear diameter size for vessels fishing on a monkfish DAS.	Positive but not significant – sets maximum roller gear diameter equivalent to size currently in use in the area; prevents expansion of trawl effort into complex bottom areas and canyons.	+
Four inch rings	Scallop	Increase ring size on scallop dredge rig to 4” everywhere.	Four inch rings will slightly increase dredge efficiency for larger scallops, thus reducing bottom contact time in recently-opened areas where large scallops are abundant, but will reduce catch	+

Measure	Source FMP (implemented by)	Description	Description of Habitat Impacts	Overall Habitat Impact
			rates and increase bottom time in areas where medium-small sized scallops are prevalent.	
OTHER MEASURES				
Observer Coverage	Multispecies	10% requested by 2006 for each gear type	If observers are able to collect data of interest to EFH management, increased coverage could indirectly benefit habitat.	+
TAC Set-Aside for research	Scallop	2% set-aside from TAC and/or DAS allocations to fund scallop and habitat research and surveys	Could indirectly benefit habitat when habitat research is funded and provides better information for future management decisions.	+

Protected Species

Before 2001, there were only three known interactions between sea turtles and scallop dredge gear. Although the exact reasons for the interactions are not well known, they probably occurred before 1999 and may have become more prevalent since 1993. Around this time, scallop fishing intensity in the Mid-Atlantic region increased following a general decline of scallop biomass in the Georges Bank region and closure of the groundfish Closed Areas in December 1994. Since turtle interactions in the high use areas and seasons are in part related to fishing effort, sea turtles may have benefited from reductions of fishing effort allocations in Amendments 4 and 7. During this time, DAS use declined from 40,490 DAS in 1993 to 23,074 DAS in 1999, before increasing to 30,082 DAS, in 2003. The amendments and intervening framework adjustments also made other management changes, including new gear restrictions, although the effect of these changes on sea turtle interactions is unknown.

The extent of interactions between fishing with scallop dredges and sea turtles is still under investigation. Following the opening of the Hudson Canyon Access Area and increased observer coverage in the area, additional interactions between sea turtles and scallop dredge gear became known. New research is continuing to identify additional gear modifications and changes in fishing that could reduce interactions in the fishery.

The main goal of Amendment 10 to the Scallop FMP was to focus scallop fishing effort in areas where biomass is greatest with the rationale that actual fishing time is likely to be reduced as the overall catch per tow increases. Scallop management areas have been monitored through annual scallop surveys for scallop biomass and growth rates. When biomass in a closed area is high and the growth rates decline (i.e. the scallop resources are at maximum levels in the area) areas open to fishing at a controlled level. Conversely, closings occur when the reverse situation occurs (low biomass and high growth rate indicating a depleted scallop resource in the area). While Scallop Amendment 11 continues this management program, its purpose is to control capacity and mortality in the general category scallop fishery.

Certain general statements can be made regarding areas in the scallop management unit. Shifts in scallop effort from the Mid-Atlantic region to areas of Georges Bank may have had the effect of reducing potential risks to sea turtles. As the Georges Bank scallop resource is reduced and the Mid-Atlantic areas rebound a reverse shift in effort from an area of low use for turtles, to a high use areas in the Mid-Atlantic may potentially increase the risk of interactions from current levels. Accordingly, impacts to protected species could shift back and forth over the years under the management scheme implemented under Amendment 10. Since modifications to NEFMC management actions will occur through framework adjustments and plan amendments, they will undergo additional review to assess impacts to protected species.

The most recent Biological Opinion for the sea scallop fishery, dated 9/18/2006, summarized the overall impacts to threatened and endangered species. It concluded that the fishing operations being carried out under the Scallop FMP and as modified by Framework 18 were likely to adversely affect, but not jeopardize the continued existence of loggerhead, leatherback, Kemp's ridley and green sea turtles.

The alternatives under consideration in this action do not appear to have any adverse cumulative effects on protected species that would alter the prognosis for impacts of fishing under Amendment 10 and Framework Adjustment 18, although there are other sources of human-induced mortality and/or harassment of turtles in the action area. These include incidental takes in state-regulated fishing activities, vessel collisions, ingestion of plastic debris, and pollution. While the combination of these activities may affect populations of endangered and threatened sea turtles, preventing or slowing a species' recovery, the magnitude of these effects is currently unknown.

State Water Fisheries - Fishing activities are considered one of the most significant causes of death and serious injury for sea turtles. A 1990 National Research Council report estimated that 550 to 5,500 sea turtles (juvenile and adult loggerheads and Kemp's ridleys) die each year from all other fishing activities besides shrimp fishing. Fishing gear in state waters, including bottom trawls, gillnets, trap/pot gear, and pound nets, take sea turtles each year. However, information on the takes is limited. Given that state managed commercial and recreational fisheries along the Atlantic coast are expected to continue within the action area in the foreseeable future, additional takes of sea turtles in these fisheries is anticipated.

Vessel Interactions – NOAA Fisheries STSSN data indicate that interactions with small recreational vessels are responsible for a large number of sea turtles stranded each year within the action area. Collision with boats can stun or easily kill sea turtles, and many stranded turtles have obvious propeller or collision marks.

Pollution and Contaminants - Marine debris (*e.g.*, discarded fishing line or lines from boats) can entangle turtles in the water and drown them. Turtles commonly ingest plastic or mistake debris for food. Chemical contaminants may also have an effect on sea turtle reproduction and survival. While the effects of contaminants on turtles is relatively unclear, pollution may be linked to the fibropapilloma virus that kills many turtles each year (NOAA Fisheries 1997). If pollution is not the causal agent, it may make sea turtles more susceptible to disease by weakening their immune systems. Excessive turbidity due to coastal development and/or construction sites could influence sea turtle foraging ability. As mentioned previously, turtles are not very easily affected by changes in water quality or increased suspended sediments, but if these alterations make habitat less suitable for turtles and hinder their capability to forage, eventually they would tend to leave or avoid these less desirable areas (Ruben and Morreale 1999).

Low and Mid-frequency Sonar – See Section 5.7.5.

The factors discussed above, and other factors, potentially have had cumulative adverse effects on most protected species to varying degrees. Because of a lack of cause-effect data, little is known about the magnitude and scope of these factors and how they have contributed to the species' listing.

A number of activities are in progress that may ameliorate some of the negative impacts on marine resources, sea turtles in particular, posed by the activities summarized above. Education and outreach are considered one of the primary tools to reduce the risk of collision represented by the operation of federal, private, and commercial vessels.

NMFS' regulations require fishermen to handle sea turtles in such a manner as to prevent injury. Any sea turtle taken incidentally during fishing or scientific research activities must be handled with due care to prevent injury to live specimens, observed for activity, and returned to the water according to a series of procedures (50 CFR 223.206(d)(1)). NMFS has been active in public outreach efforts to educate fishermen regarding sea turtle handling and resuscitation techniques. NMFS has also developed a recreational fishing brochure that outlines what to do should a sea turtle be hooked and includes recommended sea turtle conservation measures. These outreach efforts will continue in an attempt to increase the survival of protected species through education on proper release guidelines.

There is an extensive network of STSSN participants along the Atlantic and Gulf of Mexico coasts. This network not only collects data on dead sea turtles but also rescues and rehabilitates live stranded turtles. Data collected are used to monitor stranding levels and identify areas where unusual or elevated mortality is occurring. The data are also used to monitor incidence of disease, study toxicology and contaminants, and conduct genetic studies to determine population structure. All states that participate in the STSSN are collecting tissue for genetic studies to better understand the population dynamics of the northern subpopulation of nesting loggerheads. These states also tag live turtles when encountered through the stranding network or in-water studies. Tagging studies help provide an understanding of sea turtle movements, longevity, and reproductive patterns, all of which contribute to our ability to reach recovery goals for the species.

There is no organized formal program for at-sea disentanglement of sea turtles. However, recommendations for such programs are being considered by NMFS pursuant to conservation recommendations issued with several recent Section 7 consultations. Entangled sea turtles found at sea in recent years have been disentangled by STSSN members, the whale disentanglement team, the USCG, and fishermen. NMFS has developed a wheelhouse card to educate fishermen and recreational boaters on the sea turtle disentanglement network and disentanglement guidelines.

Actions taken to protect sea turtles include a Strategy for Sea Turtle Conservation and Recovery in Relation to Atlantic Ocean and Gulf of Mexico Fisheries (Sea Turtle Strategy), released by NMFS in June 2001, to address the incidental capture of sea turtle species in state and federal fisheries in the Atlantic and Gulf of Mexico. The major elements to the strategic plan include: continuing and improving stock assessments; improving and refining estimation techniques for the takes of sea turtles to ensure that ESA criteria for recovery are being met; continuing and improving the estimation or categorization of sea turtle bycatch by gear type and fishery; evaluating the significance of incidental takes by gear type; convening specialist groups to prepare take reduction plans for gear types with significant takes; and promulgating ESA and MSFCMA regulations implementing plans developed for take reduction by gear type. Actions taken under the Sea Turtle Strategy are expected to provide a net benefit to sea turtles.

In February 2003, NMFS issued a final rule to amend regulations protecting sea turtles to enhance their effectiveness in reducing sea turtle mortality resulting from shrimp trawling in the Atlantic and Gulf areas of the southeastern U.S. TEDs have proven to be effective at excluding

sea turtles from shrimp trawls; however, NMFS has determined that modifications to the design of TEDS needed to be made to exclude leatherbacks and large and mature loggerhead and green sea turtles. In addition, several approved TED designs did not function properly under normal fishing conditions. NMFS disallowed these TEDs. Finally, the rule requires modification to the trawl net and bait shrimp exemptions to the TED requirements to decrease mortality of sea turtles (68 FR 8456, 21 Feb 2003).

Significant measures have been taken to reduce sea turtle takes in summer flounder trawls and trawls that meet the definition of summer flounder trawls, which would include fisheries for species like scup and black sea bass, by requiring TEDs in trawl nets fished in the area of greatest turtle bycatch off the North Carolina and part of the Virginia coast from the North Carolina/South Carolina border to Cape Charles, VA. These measures are attributed to significantly reducing turtle deaths in the area. In addition, NMFS issued a final rule (67 FR 56931), effective September 3, 2002, that closes the waters of Pamlico Sound, NC to fishing with gillnets with a mesh size larger than 4 1/4 inch (10.8 cm) stretched mesh ("large-mesh gillnet"), on a seasonal basis from September 1 through December 15 each year, to protect migrating sea turtles. The closed area includes all inshore waters of Pamlico Sound south of 35° 46.3' N. lat., north of 35° 00' N. lat., and east of 76° 30' W. long.

In December 2003, NMFS issued new regulations for the use of gillnets with larger than 8 inch stretched mesh in federal waters off of North Carolina and Virginia (67 FR 71895, 3 Dec. 2002). Gillnets with larger than 8 inch stretched mesh are not allowed in federal waters (3-200 nautical miles) north of the North Carolina/South Carolina border at the coast to Oregon Inlet at all times; north of Oregon Inlet to Currituck Beach Light, NC from March 16 through January 14; north of Currituck Beach Light, NC to Wachapreague Inlet, VA from April 1 through January 14; and, north of Wachapreague Inlet, VA to Chincoteague, VA from April 16 through January 14. Federal waters north of Chincoteague, VA are not affected by these new restrictions although NMFS is looking at additional information to determine whether expansion of the restrictions are necessary to protect sea turtles as they move into northern mid-Atlantic and New England waters. These measures are in addition to Harbor Porpoise Take Reduction Plan measures that prohibit the use of large-mesh gillnets in southern mid-Atlantic waters (territorial and federal waters from Delaware through North Carolina out to 72° 30' W longitude) from February 15-March 15, annually.

In May 2004, the agency issued regulations prohibiting the use of all pound net leaders, set with the inland end of the leader greater than 10 horizontal ft (3 m) from the mean low water line, from May 6 to July 15 each year in the Virginia waters of the mainstem Chesapeake Bay, south of 37° 19.0' N. lat. and west of 76° 13.0' W. long., and all waters south of 37° 13.0' N. lat. to the Chesapeake Bay Bridge Tunnel at the mouth of the Chesapeake Bay, and the James and York Rivers downstream of the first bridge in each tributary. Outside this area, the prohibition of leaders with greater than or equal to 12 inches (30.5 cm) stretched mesh and leaders with stringers, as established by the June 17, 2002 interim final rule, will apply from May 6 to July 15 each year. The action, taken under the ESA, is necessary to conserve sea turtles listed as threatened or endangered. NMFS also provides an exception to the prohibition on incidental take of threatened sea turtles for those who comply with the rule (69 FR 24997, 5 May 2004).

In July 2004, NMFS issued sea turtle bycatch and bycatch mortality mitigation measures for all Atlantic vessels that have pelagic longline gear onboard and that have been issued, or are required to have, Federal HMS limited access permits, consistent with the requirements of the ESA, the MSFCMA, and other domestic laws. These measures include mandatory circle hook and bait requirements, and mandatory possession and use of sea turtle release equipment to reduce bycatch mortality. This final rule also allows vessels with pelagic longline gear onboard that have been issued, or are required to have, Federal HMS limited access permits to fish in the Northeast Distant Closed Area, if they possess and/or use certain circle hooks and baits, sea turtle release equipment, and comply with specified sea turtle handling and release protocols (69 FR 40733, 6 Jul 2004).

More recently, NMFS has published a final rule (70 FR 42508, July 25, 2005) that allows any agent or employee of NMFS, the FWS, the U.S. Coast Guard, or any other Federal land or water management agency, or any agent or employee of a state agency responsible for fish and wildlife, when acting in the course of his or her official duties, to take endangered sea turtles encountered in the marine environment if such taking is necessary to aid a sick, injured, or entangled endangered sea turtle, or dispose of a dead endangered sea turtle, or salvage a dead endangered sea turtle that may be useful for scientific or educational purposes. NMFS already affords the same protection to sea turtles listed as threatened under the ESA (50 CFR 223.206(b)).

IN 2006, NMFS finalized a rule (71 FR 50361, August 23, 2006) that requires modification of scallop dredge gear by use of a chain mat when the gear is fished in Mid-Atlantic waters south of 49 9.0'N from the shoreline to the outer boundary of the EEZ during the period May 1 through November 30 each year. The intent of the dredge gear modification is to reduce the severity of some turtle interactions that might occur by preventing turtles from entering the dredge bag.

On February 15, 2007 the agency also issued an advance notice of proposed rulemaking to announce it is considering amendments to the regulatory requirements for turtle excluder devices (TEDs). Among other issues, specific changes include increasing the size of the TED escape opening currently required for sea scallop trawl gear and moving the current northern boundary of the Summer Flounder Fishery-Sea Turtle Protection Area off Cape Charles, Virginia to a point farther north. The objective of the proposed measures is to effectively protect all life stages and species of sea turtle in Atlantic trawl fisheries where they are vulnerable to incidental capture and mortality.

Fishery-related Businesses and Communities

All actions taken under the Scallop FMP have had effects on fishery-related businesses and communities. None have specifically been developed to primarily address elements of fishing related businesses and communities. In general, actions that prevent overfishing have long-term benefits on businesses and communities that depend on those resources. Some actions that limit participation, such as the limited entry program that was adopted under Amendment 4 had distributional impacts on individuals and ports that participated in the scallop fishery at that time. While short-term negative impacts may follow an action that reduces effort, past and present actions had positive cumulative impacts on vessels owners, crew and their families in the scallop fishery by increasing their fishing revenues, incomes and standard of living. These impacts of

these past and present actions were also positive for the related sectors including dealers, processors, primary suppliers to the vessels that sell them gear, engines, boats, etc. The increases in gross profits for scallop vessels and in crew incomes have had positive economic benefits on these sectors indirectly through the multiplier impacts. Total landings have increased, catch per unit of effort has increased, and price has steadily increased as well.

The Passamaquoddy Native American Tribe has been awarded licenses in the State of Maine to harvest scallops in state waters since 1998. Since this is a state fishery, the state of Maine monitors these landings. However, the impact of this fishery on the overall scallop resource is minimal because the size of the fleet is small relative to the scallop fleet managed under this FMP.

Other Fisheries

When Amendment 4 implemented limited entry for directed scallop effort, there was a stipulation that any vessel that qualified had to relinquish any other limited access permits (i.e. multispecies) unless that vessel qualified for a combination permit. Therefore, the ability of these qualifying vessels to fish in other limited access fisheries was eliminated. In effect, potential capacity and effort in other limited access fisheries has been reduced since 1994. Since the main component of the scallop fishery directs on scallops, the impacts of scallop actions on other fisheries is limited. The frameworks that have permitted controlled access in portions of the Georges Bank groundfish mortality closed areas have assessed the impacts on non-target species and they have not been significant. The access area program is under a yellowtail flounder bycatch TAC, so when that TAC is projected to be caught the area closes to scallop fishing. This has reduced impacts of scallop fishing on YT flounder within the access areas. Overall, measures adopted under the Scallop FMP do not have direct significant impacts on other fisheries.

Past and present actions relating to the summer flounder trawl fishery may also affect the general category trawl fishery. In summary, Amendment 10 made a number of changes to the summer flounder regulations implemented by Amendment 2 and later amendments to the Summer Flounder, Scup and Black Sea Bass FMP. Specifically, this amendment modified the commercial minimum mesh regulations, continued the moratorium on entry of additional commercial vessels, removed provisions that pertain to the expiration of the moratorium permit, prohibited the transfer of summer flounder at sea, and established a special permit for party/charter vessels to allow the possession of summer flounder parts smaller than the minimum size.

Amendment 11, approved by NMFS in 1998, was implemented to achieve consistency among Mid-Atlantic and New England FMPs regarding vessel replacement and upgrade provisions, permit history transfer, splitting, and renewal regulations for fishing vessels issued Northeast Limited Access Federal fishery permits.

Amendment 12 was developed to bring the Summer Flounder, Scup, and Black Sea Bass FMP into compliance with the new and revised National Standards and other required provisions of SFA. Specifically, the amendment revised the overfishing definitions (National Standard 1) for summer flounder, scup, and black sea bass and addressed the new and revised National

Standards (National Standard 8 - consider effects on fishing communities; National Standard 9 - reduce bycatch; and National Standard 10 - promote safety at sea) relative to the existing management measures. The amendment also identified essential habitat for summer flounder, scup and black sea bass. In addition, Amendment 12 added a framework adjustment procedure that allows the Council to add or modify management measures through a streamlined public review process. Amendment 12 was partially approved on April 28, 1999.

Amendment 13 fully addressed how the management measures implemented to successfully manage these three species comply with the National Standards. Amendment 13 also addresses the fishing gear impacts to essential fish habitat. The Council has implemented many regulations that have indirectly acted to reduce fishing gear impacts on EFH.

Table 202 – Summary of effects from past and present actions

Action	Description	Impacts on Scallops	Impacts on Physical Env. and EFH	Impacts on Protected Species	Impacts on Fishery and Communities	Impacts on Other Fisheries
SCALLOP ACTIONS						
Scallop FMP	Restore adult scallop stock and reduce fluctuation in stock abundance	Positive	Positive	Positive	Positive	Positive
Amendment 4	Changed the primary management mechanism from the meat-count standard to an effort control program for all resource areas	Positive	Positive	Positive	Positive	Positive
Amendment 10	Implement area rotation program and other measures to prevent overfishing and minimize impacts on EFH	Positive	Positive	Positive	Positive	Positive
SUMMARY OF IMPACTS FROM SCALLOP ACTIONS-		Positive	Positive	Positive	Positive	Positive
PHYSICAL ENVIRONMENT AND EFH ACTIONS						
EFH Omnibus Amendment (1998)	Comply with 1996 SFA to describe and identify EFH and minimize impacts of fishing on EFH	Positive	Positive	Neutral	Neutral	Positive
A13/A10 (Table 201 for details)	Gear effects evaluation, minimize adverse impacts	Positive	Positive	Neutral	Negative	Positive
SUMMARY OF IMPACTS FROM PHYSICAL ENV/EFH ACTIONS –		Positive	Positive	Neutral	Neutral/Negative	Positive
PROTECTED RESOURCES ACTIONS						
Chain mat rule	Gear modification to address turtle bycatch in the Mid-Atlantic	Neutral	Neutral	Positive	Low Negative	Neutral
FISHERY AND COMMUNITY ACTIONS						
No Specific Actions	N/A	N/A	N/A	N/A	N/A	N/A
OTHER FISHERY ACTIONS						
Multispecies A13	Implement rebuilding programs for overfished stocks	Neutral	Positive	Positive	Low Negative	Positive
Summer flounder actions (see above)	Several actions to bring the FMP in compliance with SFA, etc.	Neutral	Neutral	Neutral	Neutral	Neutral
SUMMARY OF IMPACTS FROM OTHER FISHERIES ACTIONS –		Neutral	Positive	Positive	Low Negative	Positive
SUMMARY OF IMPACTS OF ALL PAST AND PRESENT ACTIONS ON EACH VEC		Positive	Positive	Positive/Neutral	Positive/Neutral	Positive

P = Past action/impact

Pr = Presently occurring action/impact

5.7.4.2 Reasonably Foreseeable Future Actions

The impacts of reasonably foreseeable future actions have been considered relative to the VECs in this amendment and are described below and presented in Table 203. Overall, the impacts associated with reasonably foreseeable future actions to the VECs considered in this assessment are neutral and/or considered to be insignificant, as most impacts cannot be predicted at this time.

Scallop Resource

Several reasonably foreseeable future federal fishery management actions may affect the scallop resource. In general, the actions in the foreseeable future are expected to have positive impacts on the scallop resource overall.

Amendment 13 to the Scallop FMP

The purpose of this action was to re-activate the industry-funded observer program for the scallop fishery. Observer coverage is necessary in the scallop fishery to monitor bycatch of finfish and interactions with endangered and threatened species. Due to unresolved legal issues concerning the use of a contract to administer the industry funded observer program, an action was needed to provide a mechanism to certify observer service providers. The Council approved Amendment 13 at the February 2007 Council meeting and submitted the document to NMFS on February 16, 2007. The action is under review, and if approved is expected to be implemented by June 2007. This action is not expected to have cumulative impacts on the scallop resource, fishery or other aspects of the environment.

Framework 19 to the Scallop FMP

The purpose of Framework 19 is to achieve the objectives of the Scallop FMP to prevent overfishing and improve yield-per-recruit in the scallop fishery. The primary need for Framework 19 is to adjust the DAS allocations and area rotation schedule for the 2008 and 2009 fishing years as part of the biennial adjustment process implemented under Amendment 10. The Council initiated Framework 19 at the November 2006 Council meeting, and is expected to make final decision on this action in September 2007. If approved by NMFS, implementation is expected in March 2008. It is still too early to predict what specific measures will be included in Framework 19 since the biological projections used for the action are not available until mid-summer 2007. While effort reductions are sometimes implemented by framework in terms of open area DAS etc., long-term benefits on the resource and fishery are expected since the action is intended to prevent overfishing and optimize yield.

In addition to what has been considered in previous biennial frameworks, this framework will be the first action implemented after (or simultaneously) with Amendment 11 (this action). Depending on which measures are ultimately selected by the Council in Amendment 11, Framework 19 may also include specific requirements related to general category fishing effort and allocations.

Sector Omnibus Amendment

The Council has initiated an effort that would potentially enable voluntary sectors in all fishery management plans in New England. To date, there have only been two Committee meetings on the subject so it is too early to determine potential cumulative impacts from this action.

SBRM Omnibus Amendment

The Council is currently developing a Standardized Bycatch Reporting Methodology Amendment (SRRM Amendment) to all FMPs in this region. Section 303(a)(11) of the Magnuson-Stevens Fishery Conservation and Management Act requires that all FMPs include “a standardized reporting methodology to assess the amount and type of bycatch occurring in the fishery.” The SBRM Omnibus Amendment will ensure that all FMPs fully comply with the act. Amendment 10 and Framework 16 to the Scallop FMP were submitted to NMFS several years ago, and in 2004 Oceana, an environmental organization filed suit in the U.S. District Court challenging the SBRM elements of the FMP. The Court found the actions did not fully evaluate reporting methodologies, did not sufficiently address potentially important scientific evidence, and did not mandate a methodology for bycatch monitoring. Therefore, the Court remanded that the Secretary of Commerce take further action on the SBRM aspects of the Scallop FMP.

SBRM is the combination of sampling design, data collection procedures, and analyses used to estimate bycatch and to determine the most appropriate allocation of observers across the relevant fishery modes. The Council has worked with NMFS in development of the SBRM Omnibus Amendment since 2005 and final action is expected in 2007. Once the Council makes a final recommendation about this action and the SBRM Amendment is approved by NMFS the Scallop FMP will be in compliance with the standardized bycatch reporting methodology required by the Magnuson-Stevens Fishery Conservation and Management Act. This action is not expected to have cumulative impacts on the resource, fishery, or environment overall since it is simply a bycatch reporting methodology.

Physical Environment and EFH

In the spring of 2003, the New England Council initiated a Habitat Omnibus Amendment that will be considered Amendment 14 to the Atlantic Scallop FMP. It will also amend the Northeast Multispecies (Amendment 14), Monkfish (Amendment 4), Herring (Amendment 3) Skate (Amendment 2), Red Crab (Amendment 3) and Atlantic Salmon (Amendment 3) FMPs. This omnibus amendment will fulfill the five year EFH review and revision requirement specified in 50 CFR Section 600.815(a)(10). Although it is not known at this time how the recommendations might change fisheries or fisheries management, the intention is to provide additional habitat and species protection where it is needed. Phase 1 of the EFH Omnibus has been substantially completed by the Council and includes new EFH designations for all species and life stages under management by the NEFMC, designation (but no management restrictions) of several habitat areas of particular concern (HAPC), an evaluation of the major prey species for species in the NEFMC fishery management units (FMU) and an evaluation of the potential impacts of non-fishing activities on EFH. Although the Council has completed Phase 1, the document and corresponding actions will not be submitted for implementation (and, therefore, no Record of Decision will be filed) until the completion of Phase 2 sometime in 2008. The potential exists for changes to the current suite of management measures to minimize adverse impacts on EFH (see Table 201) and/or additional measures to be implemented. The public will have the

opportunity to comment on a combined Phase 1/Phase 2 document before final decisions are made by the Council.

Protected Species

NMFS recognizes that the specific nature of the interaction between sea turtles and scallop dredge gear remains unknown. The scallop dredge may strike sea turtles as it is fished, and this interaction would remain undocumented. Sea turtles could be taken when the dredge is being fished on the bottom or during haulback. NMFS does not know how the modified gear interacts with sea turtles on the bottom and in the water column. In order to understand the interaction, research is currently being conducted and is expected to continue. This work may provide more information on the interaction between sea turtles and scallop dredge gear in the water.

Fishery-related Businesses and Communities

There are no reasonably foreseeable future federal fishery management actions in addition to the ones listed under the scallop resource section above that are expected to have cumulative effects on fishery-related businesses and communities.

Other Fisheries

The New England Council is embarking on a new amendment (Multispecies Amendment 16) that is being developed to continue the rebuilding programs adopted by Multispecies Amendment 13. The Council is currently considering a wide range of possible management strategies such as area management, hard-TACs, sectors, and adjustments to the current effort control program (DAS, area closures etc.). There are several alternatives that are currently being considered that could have impacts on the scallop fishery. For example, one alternative currently being considered is to allow a vessel to possess both a limited access groundfish and scallop permit.

In relation to the federally-managed summer flounder fishery and its interaction with the general category trawl fishery, the development of Amendment 15 to the Summer Flounder, Scup, and Black Sea Bass FMP warrants discussion. While the issues to be addressed in Amendment 15 are speculative, issues addressing allocation among states and user groups are likely to be included. As such, allocation issues are not expected to effect changes in coastwide effort or quota and would likely not result in biological, habitat, or protected resources impacts. There may, however, be socioeconomic impacts based on reallocation of quota and harvest limits to different states and/or user groups. Such changes to the summer flounder trawl fishery may impact effort in the general category trawl fishery.

Table 203 – Summary of effects from reasonably foreseeable future actions

Action	Description	Impacts on Scallops	Impacts on Physical Env. and EFH	Impacts on Protected Species	Impacts on Fishery and Communities	Impacts on Other Fisheries
SCALLOP ACTIONS						
Amendment 13	Implement a mechanism to reactivate industry funded observer program	Positive	No Impact	Positive	Low Negative	Positive
Framework 19	Biennial framework for FY2008-2009	Potentially Positive	Potentially Neutral	Potentially Neutral	Potentially Positive	Potentially Neutral
Sector amendment	Potentially allow voluntary sectors in all FMPs in New England	Potentially Positive	Potentially Positive	Potentially Positive	Potentially Positive	Potentially Positive
SBRM Amendment	Implement a bycatch reporting methodology	Potentially Neutral	No Impact	Potentially Positive	Potentially Neutral	Potentially Positive
SUMMARY OF IMPACTS FROM SCALLOP ACTIONS-		Potentially Positive	Uncertain/ No Impact	Potentially Positive	Potentially Positive/ Neutral	Potentially Positive
PHYSICAL ENVIRONMENT AND EFH ACTIONS						
Phase I EFH Omnibus	Review EFH designations, consider HAPC alternatives, describe prey species, evaluate non-fishing impacts	Positive	Positive	Neutral	Neutral	Positive
Phase II EFH Omnibus	Review gear effects and minimize adverse impacts	Uncertain	Uncertain	Neutral	Uncertain	Uncertain
SUMMARY OF IMPACTS FROM PHYSICAL ENV/EFH ACTIONS –		Positive	Positive	Neutral	Uncertain	Uncertain
PROTECTED RESOURCES ACTIONS						
Sea turtle strategy	NMFS program to address incidental capture of turtles in state and federal fisheries	No Impact	No Impact	Positive	Low Negative	Low Negative/ Neutral
Atlantic take reduction team	Requirements to reduce interaction with marine mammals	No Impact	No Impact	Positive	Low Negative	Low Negative/ Neutral
SUMMARY OF IMPACTS FROM PROTECTED RESOURCES ACTIONS		No Impact	No Impact	Positive	Low Negative	Low Negative/ Neutral
FISHERY AND COMMUNITY ACTIONS						
No Specific Actions	N/A	N/A	N/A	N/A	N/A	N/A
OTHER FISHERY ACTIONS						
Multispecies A16	Continue the rebuilding programs implemented by Mult. Amendment 13	Potentially Neutral	Uncertain	Uncertain	Uncertain	Uncertain
Summer Flounder A15	Issues addressing allocation among states and user groups likely to be included	No Impact	No Impact	No Impact	Uncertain	Uncertain
SUMMARY OF IMPACTS FROM OTHER FISHERIES ACTIONS –		Potentially Neutral	Uncertain	Uncertain	Uncertain	Uncertain
SUMMARY OF IMPACTS OF ALL PAST AND PRESENT ACTIONS ON EACH VEC		Potentially Positive	Neutral/ Potentially Positive	Neutral/ Potentially Positive	Neutral/ Uncertain	Neutral/ Uncertain

5.7.5 Non-fishing Impacts

The impacts of the following non-fishing activities are discussed in relation to scallop EFH in Section 4.2.2 of this document. Although they are presented in relation to the physical environment and EFH, the non-fishing impacts relate to all VECs identified in this amendment and are considered in this analysis (Table 204). Other non-fishing impacts that are important for consideration are also discussed below. The non-fishing impacts discussed in this section include:

- Vessel operations and marine transportation;
- Dredge and fill activities;
- Pollution/water quality;
- Agricultural and silvicultural/timber harvest runoff;
- Pesticide application;
- Water intake structures/discharge plumes;
- Loss of coastal wetland;
- Road building and maintenance;
- Flood control/shoreline stabilization;
- Utility lines/cables/pipeline installation;
- Oil and gas exploration/development/production;
- Introduction of exotic species;
- Aquaculture operations;
- Marine mining; and
- Other potential sources.

Low and mid-frequency sonar may pose an additional threat to protected species. According to the June 2006 National Marine Fisheries Service's Biological Opinion (BO), issued under Section 7(a)(2) of the Endangered Species Act, regarding the effects of the U.S. Navy's proposed 2006 Rim of the Pacific Naval Exercise and the Permits, Education and Conservation Division's proposal to issue an incidental harassment authorization (IHA) for exercises associated with endangered and threatened species, acoustic systems are becoming increasingly implicated in marine mammal strandings. Citing the Joint Interim Report on the Bahamas Marine Mammal Stranding Event of 15–16 March 2000, DOC and the Department of the Navy (DON), 2001, the document discusses that mass strandings in particular have been linked to mid-frequency sonar.

Summarizing various theories associated with the impacts of low and mid-frequency sonar, the BO states that marine mammals become disoriented or that the sound forces them to surface too quickly, which may cause symptoms similar to decompression sickness, or that they are physically injured by the sound pressure. The biological mechanisms for effects that lead to strandings must be determined through scientific research, according to the NMFS document, which also provides an extensive overview of the issue. The Biological Opinion, the IHA permit issued on July 2006 and other related documents are available through NMFS at <http://www.nmfs.noaa.gov/pr/permits/incidental.htm#applications>.

More recent information on the impacts of low and mid-frequency sonar is provided in a request from the U.S. Navy for an authorization under the Marine Mammal Protection Act (MMPA) to take marine mammals by harassment, incidental to conducting operations of Surveillance Towed Array Sensor System (SURTASS) Low Frequency Active (LFA) sonar over a five-year period (72 FR 37404, July 9, 2007).

Federal legislation being debated in Congress could override a lawsuit settlement agreement and exempt the military from the “harassment” provisions of the MMPA, easing the restrictions that now limit the deployment of low frequency sonar by the U.S. Navy.

The **National Offshore Aquaculture Act** is proposed to provide the necessary authority to the Secretary of Commerce to establish and implement a regulatory system for aquaculture in Federal waters. The bill would: authorize the Secretary to issue offshore aquaculture permits and establish environmental requirements where existing requirements under current law are inadequate; exempt permitted offshore aquaculture from legal definitions of fishing that restrict size, season, and harvest methods; authorize the establishment of a research and development program in support of offshore aquaculture; require the Secretary to work with other Federal agencies to develop and implement a streamlined and coordinated permitting process for aquaculture in the EEZ; authorize to be appropriated “such sums as may be necessary” to carry out this Act; and provide enforcement for the Act.

In addition, one way the United States plans to meet its present and future energy demands is through the importation of **Liquefied Natural Gas (LNG)**. Currently, the United States has four onshore LNG import terminals in coastal port areas: Everett, Massachusetts, Cove Point, Maryland, Elba Island, Georgia, and Lake Charles, Louisiana. These four existing import terminals have been around since the 1970s. There is an additional onshore import facility located in Penuelas, Puerto Rico. This facility began importing liquefied natural gas in August 2000.

Due to potential hazards associated with onshore LNG terminals, many state and local governments have opposed the construction of any new onshore LNG terminals. For example, there have been numerous proposals for onshore LNG terminals along the coast of Maine. Most of these proposals (Harpwell, Hope Island, Cousins Island, Sears Island, and Pleasant Point) have either been rejected by local voters or withdrawn. Most opponents to onshore LNG terminals maintain that LNG is unsafe, harms the environment, and disrupts commercial fishing. Companies, like ChevronTexaco and Shell, are now moving towards developing LNG terminals offshore on the outer continental shelf.

In April 2005, Gulf Gateway Energy Bridge (formerly known as El Paso Energy Bridge) became the world’s first offshore LNG terminal to begin operation. Gulf Gateway is located 116 miles offshore of the Louisiana coastline. To date, including Gulf Gateway, there are three offshore LNG projects that have been approved. These three LNG terminals are all located in the Gulf of Mexico. Port Pelican’s (ChevronTexaco) proposed site is located thirty-six miles off the Louisiana coastline, while Gulf Landing’s (Shell) is located thirty-eight miles offshore of Louisiana.

Nationally, seven proposed offshore LNG terminals are currently under review, including a potential terminal to be built offshore of Gloucester, Massachusetts. The other projects under review include: Cabrillo Port (fourteen miles offshore of Ventura County, California), Clearwater Port (fourteen miles offshore of southern California), Main Pass Energy Hub (offshore of Alabama, Louisiana, and Mississippi), Compass Port (offshore of Alabama and Mississippi), Pearl Crossing (forty-one miles offshore of Louisiana), and Beacon Port (offshore of Louisiana). The application for the proposed offshore LNG terminal off the coast of Gloucester (Gateway and Neptune projects) have been approved.

The two primary effects on the commercial and recreational fishing industries from offshore LNG terminals are the indirect impacts of displaced fishing effort and the potential for adverse impacts on fish stocks resulting from adverse impacts on EFH due to the vaporization process, where LNG is converted from a liquid to gaseous state. The degree to which the scallop fishery in particular may be impacted can not be fully understood until an LNG terminal has completed the sitting process. However, a recent EIS filed by the U.S. Coast Guard and the Maritime Administration on the Main Pass Energy Hub plan indicates that the “open-loop” vaporization process, which pushes seawater through a radiator-type structure that warms and vaporizes the super-cooled LNG and discharges that water back into the sea, would affect fish eggs and larvae as well as other zooplankton and phytoplankton. The resulting impacts are limited to the water discharge plumes, and while no firm data on the size of such plumes have been provided, the report states that the effects will not be serious or long lasting. The report concludes that none of the potential impacts on EFH would be expected to result in population-level impacts or a reduction in biomass for any stocks.

According to preliminary documents filed with the U.S. Coast Guard and the Federal Energy Regulatory Commission, displacement of fishing effort would be limited to a less than one nautical mile radius circle that would be closed to all fishing and recreational activities during the offloading of LNG. Additionally, a security zone of less than one quarter of a nautical mile would be maintained around the LNG tankers as they transit to and from the offload facility. While these closures may displace a limited amount of fishing effort, the total amount of fishable bottom impacted is expected to be minimal, and the effort displaced would not likely have an adverse impact on neighboring, or any other, fishing areas.

Onshore LNG facilities are currently being proposed or planned for construction in Pleasant Point, ME; Somerset, MA; Providence, RI; Long Island Sound, NY; Logan Township, NJ; Philadelphia, PA; and an expansion of an existing facility in Cove Point, MD.

Depending on the specific location and type of LNG facility, a range of impacts to fisheries and/or fisheries habitat may result from both construction and operation of terminals. Due to the large size of LNG tankers, dredging may need to occur to access onshore terminals. Dredging can result in direct loss of fish and/or shellfish habitat and can elevate levels of suspended sediment within the water column. As with other dredging, suspended sediments can impact various life stages of fish and shellfish. Further, the construction of pipelines and fill associated with site construction can have adverse impacts on inter-tidal habitats and salt marshes in the area.

Although only two **offshore wind energy projects** have formally been proposed in the northeast region, at least 20 other separate projects may be proposed in the near future. Cape Wind Associates (CWA) proposes to construct a wind farm on Horseshoe Shoal, located between Cape Cod and Nantucket in Nantucket Sound, Massachusetts. A second project is proposed by the Long Island Power Authority (LIPA) off of Long Island, New York. The CWA project would have 130 wind turbines located as close as 4.1 miles offshore of Cape Cod in an area of approximately 24 square miles, with the turbines being placed at a minimum of 1/3 mile apart. The turbines will be interconnected by cables, which will relay the energy to shore to the power grid. If approved, vessels from southern New England may experience an increase in costs associated with having to steam around the wind farms on their way to and from fishing grounds on Georges Bank.

The Army Corps of Engineers has developed a DEIS and has completed a scoping process for the proposed Cape Wind Associates (CWA) project on Horseshoe Shoal. If constructed, the turbines would preempt other bottom uses in an area similar to oil and natural gas leases. The potential impacts associated with the CWA offshore wind energy project include the construction, operation and removal of turbine platforms and transmission cables; thermal and vibration impacts; and changes to species assemblages within the area from the introduction of vertical structures. A thorough analysis of the effects of these impacts on fishing has not yet been conducted, but data indicate that there would not be a substantial impact on the scallop fishery as there is little scallop fishing activity in this area. While EFH may be adversely impacted in the vicinity of the wind turbines, the extent of this proposal is not sufficient to have any population-level impacts on resource biomass or health.

Non-fishing activities pose a risk to EFH for all species as well as to each scallop life stage's EFH. Many of the non-fishing impacts are unknown and/or unquantifiable. In general, the greatest potential for adverse impacts to scallops and scallop EFH occurs in close proximity to the coast where human-induced disturbances, like pollution and dredging activities, are occurring. Because inshore and coastal areas support essential egg, larval and juvenile scallop habitats, it is likely that the potential threats to inshore and coastal habitats are of greater importance to the species than threats to offshore habitats. It is also likely that these inshore activities will continue to grow in importance in the future. Activities of concern include: chemical threats; sewage; changes in water temperature, salinity and dissolved oxygen; suspended sediment and activities that involve dredging and the disposal of dredged material.

Impacts of non-fishing activities on all the VECs that were considered in this EIS were evaluated to be low to moderately negative.

Table 204 – Summary of effects from non-fishing activities

Action	Description	Impacts on Scallops	Impacts on Physical Env and EFH	Impacts on Protected Species	Impacts on Fishery and Communities	Impacts on Other Species
P, Pr, RFFA Vessel operations, marine transportation	Expansion of port facilities, vessel operations and recreational marinas	No Impact at Site	Potentially Negative Inshore – may lead to destruction of habitat	Negative at Site – inshore species impacted by reduced water quality and haul out activity	Potentially Negative if loss of fishing opportunities occur	No Impact at Site
P, Pr, RFFA Beach nourishment, dredge and fill activities	Offshore mining of sand for beaches Placement of sand to nourish beach shorelines	Negative at Site – entrainment, sedimentation and turbidity impacts to fish in area in and around borrow site Negative at Site – may displace fish, remove benthic prey and increase mortality of early life stages	Negative at Site – may lead to destruction of habitat in and around borrow site Negative at Site – may result in burial of structures that serve as foraging or shelter sites	Negative at Site – mining activity increases noise and reduces water quality Negative at Site – turtles susceptible to impacts from beach nourishment	Negative at Site – potential loss of fishing opportunities Positive at Site – restoration of an eroding shore may protect or restore recreational beaches	Negative at Site – entrainment, sedimentation and turbidity impacts to fish in area in and around borrow site Negative at Site – may displace fish, remove benthic prey and increase mortality of early life stages
P, Pr, RFFA Pollution/water quality	Land runoff, precipitation, atmospheric deposition, seepage, or hydrologic modification Point-source discharges	Negative at Site – impacts primarily inshore	Negative at Site – impacts primarily inshore, leads to destruction of habitat and EFH	Negative at Site – inshore species impacted by impaired biological food chain and poor water quality due to nutrient loading	Negative at Site – potential loss of fishing opportunities, human health issues	Negative at Site – impact to species located inshore
P, Pr, RFFA Agriculture and timber harvest runoff	Nutrients applied to agriculture land are introduced into aquatic systems	Negative at Site – impacts primarily inshore	Negative at Site – impacts primarily inshore, leads to destruction of habitat	Negative at Site – inshore species impacted by impaired biological food chain and poor water quality due to nutrient loading	Negative at Site – potential loss of fishing opportunities	Negative at Site – impact to species located inshore
P, Pr, RFFA Pesticide application	Substances that are designed to repel, kill, or regulate the growth of undesirable biological organisms	Negative at Site – impacts primarily inshore	Negative at Site – impacts primarily inshore, leads to destruction of habitat and EFH	Negative at Site – inshore species impacted by impaired biological food chain and poor water quality due to nutrient loading	Negative at Site – potential loss of fishing opportunities, human health issues	Negative at Site – impact to species located inshore
P, Pr, RFFA Water intake structures/ discharge plumes	Withdrawal of estuarine and marine waters by water intake structures	No Impact	Potentially Low Negative at Site - discharge plumes may affect local oceanographic conditions	Negative at Site – intake structures can entrap protected species	No Impact	Potentially Low Negative at Site – particularly anadromous species that school or spawn in the vicinity of such structures

Action	Description	Impacts on Scallops	Impacts on Physical Env and EFH	Impacts on Protected Species	Impacts on Fishery and Communities	Impacts on Other Species
P, Pr, RFFA Loss of coastal wetland	Urban growth and development Development activities within watersheds and in coastal marine areas	Potentially Low Negative at Site – may result in habitat degradation	Potentially Low Negative at Site – may result in habitat degradation	Negative at Site – results in habitat loss for fish species that represent prey items	Potentially Low Negative at Site – may result in biomass declines if spawning, health, or mortality are affected	Potentially Low Negative at Site – may result in habitat degradation
P, Pr, RFFA Road building and maintenance	Paved and dirt roads Poorly surfaced roads can substantially increase surface erosion	Unknown – no data	Unknown – no data	Unknown – no data	Unknown – no data	Unknown – no data
P, Pr, RFFA Flood control/ shoreline stabilization	Protection of riverine and estuarine communities from flooding events Dikes, levees, ditches, or other water controls	Unknown – no data	Unknown – no data	Unknown – no data	Unknown – no data	Unknown – no data
P, Pr, RFFA Utility lines/cables/ pipeline installation	Dredging of wetlands, coastal, port and harbor areas for port maintenance	Negative at Site – impacts primarily inshore	Negative at Site – impacts primarily inshore, leads to destruction of habitat	Negative at Site – dredging activity increases noise and may lead to mortality or injury of protected species	Negative – potential loss of fishing opportunities	Negative at Site – impact to species located inshore
P, Pr, RFFA Oil and gas exploration/ development	General exploration and development, as well as hydrocarbon spills associated with the transportation, loading and offloading of oil and gas products	Unknown – no data	Unknown – no data	Unknown – no data	Unknown – no data	Unknown – no data
P, Pr, RFFA Exotic Species	Introduction of non-indigenous and reared species	Potentially Negative- while no direct evidence exists, it is likely that invasive species may affect overall ecosystem health and the biomass of marketable species	Potentially Negative- exotic species (ex., tunicates) found to adversely impact EFH and displace marketable and forage species	Potentially Negative- ecosystem effects of non-native species	Potentially Negative- while no direct evidence exists, it is likely that invasive species may affect overall ecosystem health and the biomass of marketable species	Potentially Negative- while no direct evidence exists, it is likely that invasive species may affect overall ecosystem health and the biomass of marketable species
P, Pr, RFFA Marine Mining	Offshore mining as well the mining of gravel from beaches	Unknown – no data	Unknown – no data	Unknown – no data	Unknown – no data	Unknown – no data
P, Pr, RFFA Low and mid- Frequency Sonar	Used in military exercises; considered a potential source of serious injury and mortality	Unknown – may negatively impact species in immediate vicinity of exercises using sonar	Unknown	Potentially Negative- literature documents cetacean mortalities in vicinity of exercises using	Unknown – potential loss of fishing opportunities, but exercises related to national security	Unknown – may negatively impact species in immediate vicinity of exercises using sonar

				sonar		
RFFA National Offshore Aquaculture Act of 2005 (currently proposed)	Legislation would grant DOC authority to issue permits for offshore aquaculture in federal waters	Unknown- may negatively impact species by reducing water quality near aquaculture sites	Unknown- may negatively impact habitat by reducing water quality near aquaculture sites	Unknown- may be negative if activities result in interactions with protected species	Unknown- may be positive for communities near sites; negative if prices of commercially harvested fish are impacted	Unknown- may negatively impact species by reducing water quality near aquaculture sites
RFFA Liquefied Natural Gas (LNG) terminals - several LNG terminals are proposed, including RI, NY, NJ and DE (w/in 5 years)	Transportation of natural gas via tanker to terminals located offshore and onshore	Potentially Negative – short-term disruption of habitat during construction could negatively impact organisms	Negative - habitat negatively impacted during construction phase and when vessels anchor to offload gas	Negative – may disrupt protected species during construction through increased noise and poor water quality	Negative - security zones around LNG facilities restrict access to fishing areas Positive – location of LNG facilities offshore may protect or improve communities	Potentially Negative – short-term disruption of habitat during construction could negatively impact organisms
RFFA Offshore Wind Energy Facilities - several facilities proposed from ME through NC, including off the coast of NY/NJ and VA (w/in 5 years)	Construction of wind turbines to harness electrical power	Potentially Negative – short-term disruption of habitat during construction could negatively impact organisms	Negative – habitat negatively impacted during construction phase	Potentially Negative – may disrupt protected species during construction through increased noise and poor water quality	Negative – if fishing activity is precluded in area where turbines are located Negative – aesthetic impacts Positive – renewable clean energy resource	Potentially Negative – short-term disruption of habitat during construction could negatively impact organisms
SUMMARY OF IMPACTS OF NON-FISHING ACTIVITIES – Overall, impacts are variable but greatest on the physical environment and EFH, but found to be low to moderately adverse; lack of data precludes more in-depth analysis of impacts on other VECs		Potentially Negative	Potentially Negative		Potentially Negative	Potentially Negative

5.7.6 Cumulative Effects Analysis

Below is a description of the expected cumulative effects of the measures under consideration for Amendment 11. First is a summary paragraph related to the direct and indirect impacts on each VEC. This description is based on the information provided in Table 205, a summary of the direct and indirect impacts of the measures under consideration on each VEC (scallop resource, EFH, protected resource, fishery related businesses and communities and other fisheries). The proposed action is highlighted in that table in grey.

For each VEC, there is also a summary paragraph describing the cumulative effects of the measures under consideration in terms of how the past, present and reasonably foreseeable future actions impact each VEC, as well as non-fishing activities and direct/indirect impacts of Amendment 11. This discussion for each VEC is based on information summarized in previous sections and tables on the past, present, and reasonably foreseeable future actions, non-fishing impacts, and direct and indirect impacts of Amendment 11. Lastly, Section 5.7.6.1 is a summary of the cumulative effects of the proposed action only, in terms of the magnitude and extent of cumulative impacts on a VEC-by-VEC basis in combination with other actions (past, present, and reasonably foreseeable future actions) as well as the effects from non-fishing actions.

Scallop Resource

Summary of direct and indirect impacts on the scallop resource

Overall the impact of No Action is negative for the scallop resource. Open access may increase the risk that estimates could be inaccurate and fishing mortality exceeded. The No Action would not help reduce fishing pressure in near shore waters which are below average in terms of abundance. Since the No Action does not address potential growth of the general category fishery there is a greater chance that overfishing could result if projections do not accurately predict mortality from the general category sector. Limited entry is expected to have positive impacts on the scallop resource. While the specific qualification alternatives have neutral impacts in terms of cumulative effects, overall limiting of the number of vessels that can harvest scallop under general category helps prevent overfishing. In general, how access is allocated has neutral impacts, but the hard TAC options may have negative impacts on the scallop resource depending on how it is implemented and how vessels respond to a hard TAC. In general, the other alternatives under limited entry such as permit provisions, fishing with trawl gear and sectors have neutral or potentially positive effects.

In terms of limited access fishing under general category the impacts on the scallop resource are neutral. Allocating a portion of the total scallop TAC to the general category fishery would help prevent the fishery from exceeding fishing mortality rates, but there are some concerns with near shore areas and vessel behavior in terms of scallop mortality. The cumulative impacts of the NGOM alternatives are neutral provided the TAC is set at an appropriate level to prevent overfishing. Lastly, positive cumulative impacts are expected from the measures to improve integration of scallop data so that management measures can be developed using the most recent data available.

Summary of cumulative effects on the scallop resource

Overall, the cumulative effects on the scallop resource are neutral to positive. In terms of past and present actions such as the Scallop FMP, Amendment 4, and Amendment 10, there have been positive effects on the scallop resource. Other past EFH actions and actions in other FMPs have had neutral or positive effects as well (Table 202). In terms of reasonably foreseeable future actions, there are several scallop related actions that are expected to have potentially positive impacts on the scallop resource. There are also several EFH, protected resources and other fishery-related actions that are expected to have either no impact or potentially positive impacts. Therefore, the overall effects of reasonably foreseeable future actions on the scallop resource are potentially positive (Table 203). In addition, the effects of non-fishing activities on the scallop resource are either unknown or potentially negative (See Table 204). Lastly, the direct and indirect effects of the measures under consideration in Amendment 11 are expected to have positive to neutral impacts on the scallop resource (Table 205). Thus, when the direct and indirect effects of the alternatives are considered in combination with all other actions (*i.e.*, past, present, and reasonably foreseeable future actions), the cumulative effects on the scallop resource are likely to be neutral to positive.

Physical Environment / EFH

Summary of direct and indirect impacts on EFH

In general, most alternatives in the proposed action have neutral to slightly positive cumulative impacts on EFH when compared to the No Action. Similar to the scallop resource, negative cumulative impacts are expected under No Action and positive impacts under limited entry. Limited entry will have long-term positive impacts on EFH by reducing the number of potential participants and controlling effort as compared to the No Action open access fishery. The specific qualification alternatives and permit provisions do not have expected impacts on EFH. Permitting the formation of sectors may have potential positive impacts on EFH if vessels can fish more efficiently and reduce bottom contact time. Positive impacts may result from the additional monitoring requirements with better information about the general category fishery. Overall, because the general category fishery is allocated a portion of the scallop TAC, there could be potential positive impacts on EFH because the potential expansion of general category effort would be limited, thus potential impacts to EFH reduced. If general category effort is concentrated in near shore areas with critical effort then the cumulative impacts on EFH in those areas would be potentially negative in the long term.

Summary of cumulative effects on EFH

Overall, the cumulative effects on the physical environment/EFH are neutral to positive. In terms of past and present actions such as the Scallop FMP, Amendment 4, and Amendment 10, there have been positive effects on EFH. Other past EFH actions and actions in other FMPs have had mostly positive effects as well (Table 202). In terms of reasonably foreseeable future actions, there are several EFH actions that may have positive or uncertain effects on EFH. In addition, there are several reasonably foreseeable future scallop and other fishery-related actions that are expected to have no impact on EFH. Therefore, the overall effects of reasonably foreseeable future actions on EFH are neutral to potentially positive (Table 203). In addition, the effects of non-fishing activities on EFH are negative (See Table 204). Lastly, the direct and indirect effects of the measures under consideration in Amendment 11 are expected to have

mostly neutral impacts on EFH (Table 203). Thus, when the direct and indirect effects of the alternatives are considered in combination with all other actions (*i.e.*, past, present, and reasonably foreseeable future actions), the cumulative effects on the physical environment/EFH are likely to be neutral to positive.

Protected Resources

Summary of direct and indirect impacts on protected resources

In general, most alternatives under consideration have neutral cumulative impacts on protected resources when compared to the No Action. Similar to the scallop resource, negative cumulative impacts are expected under No Action and positive impacts under limited entry. The specific qualification alternatives and permit provisions do not have expected impacts on protected resources. Permitting the formation of sectors may have potential positive impacts on protected resources if vessels can fish more efficiently and reduce bottom contact time. Potentially negative impacts could occur if a change in the fishing year results in an increase in effort or derby effects that overlap with periods when turtles are most abundant. And if additional monitoring requirements are selected, potential positive impacts on protected resources may result with better information about the general category fishery. Overall, if the general category fishery is allocated a portion of the scallop TAC, there could be potential positive impacts on protected resources because the potential expansion of general category effort would be limited, thus potential impacts to protected resources reduced.

Summary of cumulative effects on protected resources

Sea turtles, have been, are, and will continue to be, negatively impacted by a variety of past, present, and reasonably foreseeable future activities which may be affecting the recovery of the species. The extent to which this may be happening cannot be quantified at this time. As noted above, however, the measures presented in this action are unlikely to alter the impacts that occur as a result of both fishing and non-fishing activities but may mitigate some currently negative impacts by instituting a limited access management program. **Overall, the cumulative effects on protected resources are neutral to potentially positive.**

In terms of past and present actions, there have been positive to neutral effects on protected resources (Table 202). In terms of reasonably foreseeable future actions, there are several protected resource related actions that may have positive effects on protected resources. In addition, there are several reasonably foreseeable future scallop and other fishery-related actions that are expected to have potentially positive or uncertain impacts on protected resources. The activities that are negatively impacting sea turtles will continue to be addressed through fishery management plans as well as by the agency to ensure sea turtles are protected. One of the goals of NMFS's Sea Turtle Strategy is to develop and implement plans to reduce takes of sea turtles in Atlantic Ocean and Gulf of Mexico fisheries. Implementation of these plans will have a net beneficial impact on sea turtle species. NMFS also intends to continue outreach efforts to educate fishermen regarding sea turtles. Future anticipated research will likely enhance knowledge concerning the nature of the interactions between sea turtles and sea scallop dredge gear, potentially leading to the implementation of alternative management measures that may confer benefits to animals in areas where overlap with the fishery occurs. Therefore, the overall effects of reasonably foreseeable future actions on protected resources are neutral to potentially

positive (Table 203). In addition, the effects of non-fishing activities on protected resources are potentially negative (See Table 204). Lastly, the direct and indirect effects of the measures under consideration in Amendment 11 are expected to have mostly neutral impacts on protected resources (Table 205). Thus, when the direct and indirect effects of the alternatives are considered in combination with other actions (*i.e.*, past, present, and reasonably foreseeable future actions), the cumulative effects on protected resource are likely to be neutral to potentially positive.

Fishery-Related Businesses and Communities

Summary of direct and indirect impacts on fishery-related businesses and communities

The direct and indirect impacts of the alternatives included in Amendment 11 on fishery related businesses and communities were analyzed in Section 5.4 (Economic Impacts) and Section 5.5 (Social Impacts) of this document. The cumulative impacts of the limited access, TAC, and other alternatives included in Amendment 11 are summarized in Table 205. Overall, these impacts are expected to be positive on fishery related businesses and communities.

Past and present actions had positive cumulative impacts on the communities by increasing the scallop landings and revenues for both limited access and general category vessels, and by giving relatively smaller general category vessels an option to fish on a rebuilt resource. The proposed action will continue providing this opportunity to a subset of vessels that had a general category permit and participated in the general category fishery in at least one fishing year between March 1, 2000 and November 1, 2004. Although the limited entry alternatives will have negative distributional impacts on the groups of general category vessels excluded from limited access, the overall cumulative impacts of the proposed action are expected to be positive compared to taking no action. The proposed action is also expected have positive economic impacts on the limited access vessels by preventing fishing mortality to exceed sustainable levels due to an uncontrolled expansion of general category fishery. Since with no action there are no limits on the number of trips a general category vessel could take and no limits on the number of vessels able to participate in the general category fishery, total fishing effort in this fishery could increase in response to higher scallop prices, to an increase in resource productivity, or to changes in fishing opportunities in other fisheries. As a result, scallop mortality could exceed sustainable levels, reducing the stock biomass, the future yield, scallop revenues and income for the participants of both the limited access and general category scallop fisheries. Limited access, by itself, will not entirely eliminate these possible effects, but it will reduce the risks of overfishing of the scallop resource by preventing new entry to the general category fishery and by restricting the number of participants in this fishery to vessels that meet the poundage qualification criteria within a qualification time period. It will also prevent the profits of the qualifiers and limited access vessels from dissipating due to an increase in capacity.

Amendment 11 also includes alternatives that would control scallop fishing mortality in the general category fishery by allocating a separate TAC for this sector. In general, the cumulative impacts of the TAC alternatives are expected to be positive on fishery related businesses and communities compared to taking no action for the following reasons:

- Even with limited access and in the absence of measures that control overall scallop landings by general category vessels, it is possible for the fishing mortality to increase beyond the target levels if the qualified vessels increase the number of trips targeting

scallops. This could have negative impacts on both the limited access and the general category vessels as scallop catch per day-at-sea declines and fishing costs per pound of scallops increase.

- Since any increase in overfishing of the scallop resource will need to be corrected through framework action according to the Sea Scallop FMP, the Council could reduce the DAS allocations for limited access vessels, negatively impacting these vessels and their communities. The Council could also reduce the possession limit for all general category vessels, affecting negatively most of the general category vessels that participate in the fishery and depend on scallops as a significant source of income.

If the general category fishery is managed by hard TAC, however, without limited access and/or without allocation of quota to individual vessels (either an individual quota or allocations to tiers), it could lead to a race to fish and market gluts, which could have negative economic impacts, especially on smaller vessels that fish seasonally and cannot access all areas due to the constraints on their capacity. Fleet-wide hard TAC by trimester or by quarter will spread out the fishing season and reduce negative impacts from derby fishing and market gluts to some extent. TAC management combined with limited entry and allocation for vessels (in terms of IQ in pounds or trips, in terms of individual allocation or equal allocation for tiers) will prevent derby-style fishing and the negative impacts associated with it.

The impacts of the other alternatives regarding permit and monitoring provisions, NGOM area management alternatives, limited access fishing under general category rules, allocation between general category and limited access vessels, incidental catch, more timely integration of data and other measures were analyzed in Section 5.4 (Economic Impacts) and Section 5.5 (Social Impacts) and summarized in Table 5. Since the overall impacts of these alternatives are, in general, expected to be positive for the participants in the sea scallop fishery (for the reasons provided in Section 5.4 and 5.5), the cumulative impacts of the Amendment 11 alternatives including the past actions are also expected to be positive compared to taking no action.

In terms of enforceability, all the measures under consideration are enforceable according to the NMFS Office of Law Enforcement. There are several alternatives that may be more enforceable than others, but there are no cumulative effects of this action on enforcement. Several specific comments from an enforcement perspective have been included in Table 205 when applicable.

Summary of cumulative effects on fishery-related businesses and communities

Overall, the cumulative effects on the fishery-related businesses and communities are neutral/uncertain to positive. In terms of past and present actions such as the Scallop FMP, Amendment 4, and Amendment 10, there have been positive effects on the scallop fishing community. Other past EFH actions and actions in other FMPs have had neutral or low negative effects (Table 202). In terms of reasonably foreseeable future actions, there are several scallop related actions that are expected to have positive impacts overall. There are also several EFH, protected resources and other fishery-related actions that are expected to have uncertain or low negative impacts on fishery-related businesses and communities. Therefore, the overall effects of reasonably foreseeable future actions on the fishery-related businesses and communities are neutral or uncertain (Table 203). In addition, the effects of non-fishing activities on the fishery-related businesses and communities are either unknown or potentially negative (See Table 204).

Lastly, the direct and indirect effects of the measures under consideration in Amendment 11 are expected to have positive impacts on the fishery-related businesses and communities overall (Table 203). Thus, when the direct and indirect effects of the alternatives are considered in combination with other actions (*i.e.*, past, present, and reasonably foreseeable future actions), the cumulative effects on fishery-related businesses and communities are likely to be neutral/uncertain to positive.

Other Fisheries

Summary of direct and indirect impacts on other fisheries

In general, most alternatives under consideration have neutral cumulative impacts on other fisheries when compared to the No Action. Some of the hard- TAC alternatives have potential negative impacts on other fisheries, because if a hard TAC leads to vessels changing behavior impacts could increase. Specifically, if vessels end up fishing for scallops on a more direct basis until the TAC is caught and then fish for other species, then effort could shift into other fisheries after the general category TAC is caught.

Summary of cumulative effects on other fisheries

Overall, the cumulative effects on other fisheries are neutral. In terms of past and present actions, there have been positive impacts overall on other fisheries (Table 202). In terms of reasonably foreseeable future actions, some expected impacts are uncertain, potentially positive or low negative (Table 203). In addition, the effects of non-fishing activities on the other fisheries are either unknown or potentially negative (See Table 204). Lastly, the direct and indirect effects of the measures under consideration in Amendment 11 are expected to have positive to neutral impacts on other fisheries (Table 203). Thus, when the direct and indirect effects of the alternatives are considered in combination with other actions (*i.e.*, past, present, and reasonably foreseeable future actions), the cumulative effects on other fisheries are likely to be neutral.

Table 205 – Cumulative effects of alternatives under consideration on the five Amendment 11 VECs (proposed action is shaded)

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
3.1	MEASURES TO CONTROL CAPACITY AND MORTALITY IN THE GENERAL CATEGORY FISHERY					
3.1.1	No Action	Negative – open access has higher risk of overfishing	Negative - Potential unrestricted growth of open access fishery will likely have negative impacts on EFH by increasing effort.	Potentially Negative	Negative - an increase in general category effort could lead to overfishing and reduce future scallop landings, revenues and economic benefits.	Uncertain
3.1.2	Limited Entry	Positive – if a known universe of vessels are allocated a certain level of access to the fishery then risk for overfishing is reduced	Positive - By reducing the number of potential participants, over long-term will have positive impacts as effort is controlled compared to No Action.	Positive	Positive - The number of participants in the fishery will decline, reducing the risks of overfishing and decline in future economic benefits. Could have negative distributional impacts in the short-term for some participants that are not provided access to fishery.	Low Negative
3.1.2.1	Qualification criteria alternatives					
3.1.2.1.1	Permit before control date and 100 pound trip	Neutral	Neutral	Neutral	Positive	Neutral
3.1.2.1.2	Permit before control date and 1,000 annual pounds	Neutral	Neutral	Neutral	Positive -except higher positive (negative) distributional impacts on vessels that qualify (do not) qualify for limited access compared to 3.1.2.1.1.	Neutral
3.1.2.1.3	Permit before control date and 5,000 annual pounds	Neutral	Neutral	Neutral	Positive - number of participants would decline significantly, with potential negative distributional impacts on vessels and their communities not provided access to general category fishery compared to 3.1.2.1.1 and 3.1.2.1.2.	Neutral
3.1.2.2	Qualification time period alternatives					
3.1.2.2.1	March 1, 2003-November 1, 2004	Neutral	Neutral	Neutral	Positive - larger negative distributional impacts on historical participants that were not active during these two years.	Neutral
3.1.2.2.2	March 1, 2000-November 1, 2004	Neutral	Neutral	Neutral	Positive - Limiting the access to general category fishery participants in the last five years will eliminate new entry and will reduce the risks of a future decline in	Neutral

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
					economic benefits due to overfishing. Positive (negative) distributional impacts on qualifiers and their communities.	
3.1.2.2.3	March 1, 1994-November 1, 2004	Neutral	Neutral	Neutral	Positive- (negative) distributional impacts on historical (recent) participants of general category fishery.	Neutral
3.1.2.3	Determination of qualification amount					
3.1.2.3.1	Best year	No Impact	No Impact	No Impact	Overall Positive – provides opportunity for each vessel to maximize their allocation share. Positive (negative) distributional impacts on recent (historical) participants and their communities.	No Impact
3.1.2.3.2	Best year indexed by number of years active in the scallop fishery (Option B preferred – 25% index)	No Impact	No Impact	No Impact	Overall Positive –Negative (positive) distributional impacts on recent (historical) participants and their communities. Enforceability of allocation in pounds may be more difficult than trips.	No Impact
3.1.2.3.3	Cap of 50,000 pounds for a vessels individual contribution factor	No Impact	No Impact	No Impact	Positive – reduces the concentration of quota in a few vessels with large landings or inaccurate records, distributes benefits among more equitably among qualifiers and their communities.	No Impact
3.1.2.4	Allocation of access for qualifiers					
3.1.2.4.1	Individual allocation (Option A preferred – in pounds)	Neutral	Neutral/Slightly negative - May increase effort if vessels allocated by trips vs. poundage change behavior to land more scallops per trip. Potential increase in effort is limited however because there is a maximum TAC for the entire fleet.	Neutral	Positive – reduces race to fish, allocates each vessel an amount proportional to its best year landings and permits them to land scallops in the most efficient way for their businesses (up to 400 lb. per trip)	Neutral

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
3.1.2.4.1.1	Modify the 400 pounds possession limit to 2,000 pounds per trip if individual allocation alternative adopted only	Neutral	Neutral	Neutral	Potentially negative –Negative impacts due to overfishing and reduced revenue from resource could outweigh the positive impacts on fishing costs.	Neutral
3.1.2.4.2	Individual allocation with two permits	Neutral	Neutral	Neutral	Overall Positive – reduces race to fish, could have some negative impacts on vessels qualify for part-time permit.	Neutral
3.1.2.4.3	Individual allocation with three tiers	Neutral	Neutral	Neutral	Overall Positive – Reduces race to fish, provides more equitable distribution of allocations. Could have negative impacts on vessels with landings in excess of tier averages.	Neutral
3.1.2.4.4	Stand alone ITQ alternative	Neutral	Neutral	Neutral	Positive - reduces race to fish and distributes gains from limited access among more vessels.	Neutral
3.1.2.4.5	Stand alone quarterly hard TAC alternative with limited entry	Low Negative	Neutral	Neutral	Potentially low positive - Quarterly hard TAC will reduce but not eliminate race to fish. This could reduce the positive impacts of limited entry and prevention of overfishing by a hard TAC. Could also have negative distributional impacts on vessels with lower (200 lb.) possession limit.	Neutral/ Potentially Negative
3.1.2.4.6	Fleetwide Hard TAC with limited entry	Low Negative	Neutral	Neutral	Potentially negative – Negative impacts of derby style fishing with annual hard TAC could outweigh the positive impacts of limited entry and prevention of overfishing with a hard TAC.	Neutral/ Potentially Negative
3.1.2.4.7	Fleetwide Hard TAC by quarter/trimester with limited entry	Low Negative	Neutral	Neutral	Potentially low positive - Hard TAC by quarter/trimester will reduce but not eliminate race to fish. This could reduce the positive impacts of limited entry and prevention of overfishing by a hard TAC.	Neutral/ Potentially Negative
3.1.2.5	Limited Entry Permit Provisions					
3.1.2.5.1	Fishing history and permit transfers					
3.1.2.5.1.1	No Action	Neutral	Neutral	Neutral	Potentially neutral – will prevent an increase in the number of participants with positive impacts for the scallop fishery as a whole but will have negative impacts on some participants.	Neutral

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
3.1.2.5.1.2	One vessel potentially qualifying more than one permit	Neutral – more vessels may qualify but overall effort still capped at 5% of total catch	Neutral	Neutral	Potentially positive – positive impacts on some participants could outweigh negative impacts of a potential increase in the number of participants.	Neutral
3.1.2.5.2	Vessel Upgrades					
3.1.2.5.2.1	No upgrade restriction	Neutral – vessels may be able to increase fishing power but still limited to 400 lb per trips and an individual allocation.	Neutral	Neutral	Potentially low negative by itself but combined with other measures neutral – Increase in capacity could lead to overfishing with negative impacts on the scallop fishery as a whole if by itself. But positive impacts on some participants that can upgrade and negative impacts on others that cannot invest in more fishing power. Some vessels will be restricted under other FMPs. No impacts on enforcement expected.	Neutral – potentially negative. If a vessel is not restricted to upgrade by other FMPs then an increase in fishing power could have impacts on other fisheries.
3.1.2.5.2.2	10:10:20 upgrade restriction	Neutral	Neutral	Neutral	Potentially low positive - will provide vessels the flexibility to adjust their fishing power to changing circumstances up to a limit, with positive economic impacts on these vessels.	Neutral
3.1.2.5.2.2.1	Vessel baselines	Neutral	Neutral	Neutral	Low positive – will ensure that subsequent vessel upgrades do not exceed the restrictions.	Neutral
3.1.2.5.3	Vessel replacements	Neutral	Neutral	Neutral	Low positive – will ensure proper replacement of existing vessel with a new vessel.	Neutral
3.1.2.5.4	Permit stacking					
3.1.2.5.4.1	No Action	Neutral	Neutral	Neutral	Neutral – since this is in line with the current regulations for all limited access programs in this region.	Neutral
3.1.2.5.4.2	Allow stacking up to two permits	Neutral	Neutral	Neutral	Positive - will help to reduce fishing costs and maintain an economically viable operation for some vessels.	Neutral
3.1.2.5.4.3	Allow stacking up to 60,000 pounds or 150 trips	Neutral	Neutral	Neutral	Potentially positive - will help to reduce fishing costs and maintain an economically viable operation for some vessels. Consolidation of allocations could have negative distributional	Neutral

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
					impacts on some communities.	
3.1.2.5.4.4	Allow stacking of access up to 2% of general category allocation	Neutral – still maximum on total catch	Neutral	Neutral	Potentially positive - will help to reduce fishing costs and maintain an economically viable operation for some vessels. Consolidation of allocations could have negative distributional impacts on some communities.	Neutral
3.1.2.5.5	Voluntary Relinquishment of Eligibility	Neutral	Neutral	Neutral	Positive - reduce and/or prevent an increase in capacity in the general category fishery.	Neutral
3.1.2.5.6	Permit splitting	Neutral	Neutral	Neutral	Positive - same as above.	Neutral
3.1.2.5.7	Permit renewals and CPH	Neutral	Neutral	Neutral	Low positive - will help to determine the fishermen who have an active interest in participating in the general category fishery.	Neutral
3.1.2.5.8	Percentage ownership restriction					
3.1.2.5.8.1	Maximum of 1-5% of total general category access (5% is proposed)	Neutral	Neutral	Neutral	Positive –will prevent a few vessels from dominating the fishery and will help to redistribute gains from the limited access more equitably.	Neutral
3.1.2.6	Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear					
3.1.2.6.1	No Action	Low Negative – trawl gear capable of catching smaller scallops so mortality potentially increased with this gear	Neutral	Neutral	Low negative – if vessels with trawl gear increase overfishing could occur with negative economic impacts.	No Impact

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
3.1.2.6.2	Prohibit a vessel from switching to trawl gear if it qualified under dredge gear	Low positive	Neutral	Neutral	Low positive - will reduce scallop mortality from an increase in fishing effort by trawl gear with minimal negative impacts on most participants.	Neutral
3.1.2.6.3	Lower possession limit for vessels that qualify for a limited entry general category permit and fish with trawl gear	Low Positive	Neutral	Neutral	Low positive – Same as above.	Neutral
3.1.2.6.4	If a vessel is fishing with a net and has a general category scallop permit, scallops can only be up to 5% of total regulated species onboard (maintaining the 400 pound possession limit)	Low Positive	Neutral	Neutral	Low positive – Same as above. In terms of enforcement, a fishery-related component of this environment, there are concerns about this alternative. Enforcing a percent is problematic compared to a poundage.	Neutral
3.1.2.7	Sectors and Harvesting Cooperatives					
3.1.2.7.1	No Action	Neutral	Neutral	Neutral	Neutral - since no change compared to current regulations for sea scallop fishery.	Neutral
3.1.2.7.2	Establish a process for sectors in the general category scallop fishery	Potentially Positive – if fishing is more efficient in sector	Potentially Positive - Indirect impacts may be beneficial since voluntary sectors may be able to identify ways to fish more efficiently, potentially reducing bottom contact time and impacts.	Potentially Positive	Potentially low positive - will have positive impacts on the participants, by allowing fishermen to combine their allocations and to fish using fewer vessels in order to reduce fishing costs.	Potentially Positive
3.1.2.7.2.9.1	20% maximum allocation per sector	Neutral	Neutral	Potentially Neutral	Potentially low positive – could reduce potentially negative impacts of concentration of quota in a few sectors.	Neutral

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
3.1.2.8	Interim measures for transition to limited entry					
3.1.2.8.1	Vessels that qualify and appeal can fish under a hard-TAC equal to 10% of total projected catch until limited entry program can be fully implemented	Low positive	Neutral/Uncertain	Neutral	Potentially low negative	Neutral
3.1.2.8.2	Vessels that qualify and appeal can fish under current restrictions for general category until limited entry program can be fully implemented	Low positive	Neutral	Neutral	Potentially neutral	Neutral
3.1.3	Hard TAC					
3.1.3.1	Fleet-wide Hard TAC	Low Negative	Uncertain	Potentially Negative	Potentially negative - the race to fish will intensify if there are new entrants to the fishery with negative impacts on prices, costs and revenues.	Neutral/ Potentially Negative
3.1.4	Establish a NGOM Scallop Management Area					
3.1.4.1	No Action	Neutral	Neutral	Neutral	Potentially low negative – negative economic impacts on these vessels that do not qualify for limited access due to low landings of scallops in NGOM area.	Neutral
3.1.4.2	Amendment 11 would not apply to waters in the NGOM	Neutral	Neutral	Neutral	Potentially low positive - will provide vessels (that do not qualify for limited access) the opportunity to land scallops NGOM area when the resource conditions are favorable.	Uncertain
3.1.4.3	Establish a limited entry program for the NGOM (Option A preferred as boundary option)	Neutral/ Potentially Low positive	Neutral	Neutral	Potentially low positive - Same as above.	Uncertain
3.1.4.4	Establish a limited entry program for the NGOM with no landings criteria (Option A preferred as boundary option)	Neutral/ Potentially Low positive – the hard-TAC will prevent excessive fishing in this area and reduced	Neutral/Slightly positive - This is a smaller trip limit and a smaller dredge than is used in the traditional scallop fishery (limited access) and could have positive benefits for habitat by reducing			

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
		access rights will reduce incentive for increased effort in the area	the amount of benthic impacts by both a potential smaller area swept and a lighter dredge.			
3.1.5	Monitoring provisions					
3.1.5.1	Require landings and declaration of scallop trip through VMS	Low positive	Low positive	Low Positive	Positive –will have indirect economic benefits for the sea scallop fishery participants by improving the monitoring of the fishing effort and ensuring better compliance with the regulations. Positive in terms of enforcement – particularly if vessels report landings before VMS demarcation line and expected time of landing.	Low Positive
3.1.5.2	Require vessels to report landings through IVR	Low positive	Low positive	Low Positive	Low positive – for the same reasons as above. Fewer benefits compared to VMS monitoring which includes location.	Low positive
3.1.6	Limited access fishing under general category rules					
3.1.6.1	Permit or prohibit limited access fishing under general category rules					
3.1.6.1.1	No Action	Negative Low	Negative low	Negative low	Negative – could lead to an increase in general category fishing effort by limited access vessels with negative impacts on scallop biomass and economic benefits. Not equitable to general category participants if limited access instituted for fishery.	Negative low
3.1.6.1.2	Permit limited access vessels that qualify	Neutral / Potentially low positive – these vessels have fished but will be limited	Positive - This will result in positive impacts as the Limited Access fleet's ability to fish under the General Category rules will be limited.	Neutral	Low positive – gives opportunity for limited access vessels that qualify to participate in general category fishery with positive economic impacts on these vessels.	Neutral

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
3.1.6.1.3	Permit occasional or part-time limited access vessels that qualify	Neutral	Neutral	Neutral	Low positive – gives opportunity for those vessels that have more dependence on general category fishery.	Neutral
3.1.6.1.4	Prohibit all limited access vessels from fishing under general category rules	Positive low – but if access redistributed impacts the same	Positive low	Positive low	Potentially neutral - Negative impacts on some limited access vessels could outweigh positive impacts of reducing general category effort due to participation by limited access vessels.	Positive low
3.1.6.2	Allocation of quota to limited access vessels under general category rules					
3.1.6.2.1	Landings deducted from general category TAC	No impact	No impact	No impact	Potentially neutral – could have negative impacts on general category vessels if limited access vessels' share in total general category landings are not taken into account in TAC determination.	No impact
3.1.6.2.2	Landings deducted from separate allocation – 0.5% of total TAC	No impact	No Impact	No impact	Potentially neutral - could have minimal negative or minimal positive distributional impacts on some participants depending on the level of total TAC .	No impact
3.1.7	Allocation between limited access and general category fisheries					
3.1.7.1	No Action	Potentially negative	Potentially negative	Potentially Negative	Negative –an increase in general category effort could lead to overfishing and reduce future scallop landings, revenues and economic benefits. DAS allocations or possession limits could be lowered with negative impacts on limited access and general category vessels.	Potentially negative
3.1.7.2	Allocation for general category fishery of 2.5-11% of projected annual scallop catch (5% identified as preferred)	Neutral – but higher values for gen cat could have some concerns	Potentially positive – a limit on gen cat effort prevents expanded effort in that sector.	Potentially positive – a limit on gen cat effort prevents expanded effort in that sector	Positive – will prevent overfishing due to an increase in general category effort with overall positive economic benefits for the participants. Could have negative (positive) distributional impacts on general category vessels (limited access vessels) depending on the level of TAC for general category.	Neutral – but if lower value for gen cat more effort could shift in other fisheries
3.1.7.3	Allocation of yellowtail flounder bycatch TAC in access areas					
3.1.7.3.1	No Action	Neutral	Neutral	Neutral	Low negative – would negatively impact those vessels that are less likely to fish in	Neutral

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
					the early winter months (which are mainly small vessels in the general category fleet), if the larger limited access fleet quickly reaches the overall 10% TAC for the scallop fishery as a whole.	
3.1.7.3.2	Allocate a proportional allocation of the 10% to the general category fishery	Neutral	Neutral	Neutral	Low positive - provides opportunity for smaller category vessels to continue to fish in access areas until general category yellowtail TAC is reached. Will also prevent yellowtail bycatch TAC to be reached due to general category effort and will allow limited access take their allocated trips to the access areas.	Neutral
3.1.8	Incidental Catch					
3.1.8.1	No Action	Neutral	Neutral	Neutral	Neutral – continues the allowance of incidental bycatch of scallops up to 40 lbs. with no impacts on general category and limited access vessels.	Neutral
3.1.3.2	New incidental scallop permit	Neutral	Neutral	Neutral	Low positive – positive impacts on vessels that do not qualify	Neutral
3.2	MEASURES TO ALLOW BETTER AND MORE TIMELY INTEGRATION OF RECENT DATA (no preferred alternative identified)					
3.2.1	No Action	Negative	Neutral	Potentially Neutral	Neutral – fishing year remains the same with no new impacts on the participants.	Neutral
3.2.1.1	Change issuance date of permit	Positive low – fishery data will be available sooner and consistent with the LA fishery	Neutral	Potentially Neutral	Potentially low positive - allow better estimation of the number of participants and the level of effort in the fishery.	Neutral
3.2.2	Change start of FY to May 1	Positive – especially if survey can be moved earlier	Neutral	Potentially Negative	Low positive - an implementation time that coincides better with the fishing year will benefit the scallop fishery and have positive economic impacts on the participants. Some negative impacts due to adjustment cost with fishing	Neutral
3.2.3	Change start of FY to August 1	Positive – especially if survey remains in summer	Neutral	Potentially Negative	Same as above – except higher adjustment costs for businesses due to starting fishing year 5 months later than present start on March.	Neutral

SECTION	ALTERNATIVES	SCALLOP RESOURCE	PHYSICAL ENVIRONMENT / EFH	PROTECTED RESOURCES	FISHERY-RELATED BUSINESSES AND COMMUNITIES	OTHER FISHERIES
3.3	OTHER MEASURES NOT DIRECTLY RELATED TO GOALS AND OBJECTIVES OF AMENDMENT 11					
3.3.1	Trawl gear restriction					
3.3.1.1	No action	Neutral	Neutral	Potentially Neutral	Neutral – no change from current regulations.	Neutral
3.3.1.2	Clarification of trawl gear restriction	Neutral	Neutral	Potentially Neutral	Low positive – reduces uncertainty for fishermen.	Neutral
3.3.2	Possession limit of 50 bushels					
3.3.2.1	No Action	Neutral	Neutral	Potentially Neutral	Neutral – no change from current regulations.	Neutral
3.3.2.2	Possession limit of 50 bu. Shoreward of the VMS demarcation line and up to 100 bushels east of the line	Potentially neutral – if vessels highgrade as a result then potentially negative	Potentially negative - May result in negative impacts due to an increase of fishing effort by allowing the vessel to catch more than the current limit of 50 bushels.	Potentially Neutral	Low positive –will prevent vessels from in violation if they have more than 50 bushels on board or landing less than 400 lb. scallops per trip to avoid violation.	Neutral

5.7.6.1 Summary of Cumulative Effects of the proposed action

To determine the magnitude and extent of cumulative impacts of the proposed action, the incremental impacts of the direct and indirect impacts should be considered, on a VEC-by-VEC basis, in addition to the effects of all actions – those effects identified and discussed relative to the past, present, and reasonably foreseeable future actions of both fishing and non-fishing actions. In general, while the management measures proposed result in cumulative impacts in some cases, none of the impacts discussed indicate a potentially significant impact. Section 5.7.6 above summarizes the expected cumulative effects of the measures that were considered in this amendment, and this section focuses on the proposed action.

Overall, the cumulative effects of the proposed action are neutral to low positive. Table 206 summarizes the cumulative effects of the proposed action relative to the past, present, and reasonably foreseeable future fishing and non-fishing actions for each of the VECs considered. In general, the impacts of the past, present, and reasonably foreseeable future actions on all of the VECs identified in this action are positive to neutral. There are several future actions that may have potential low negative or uncertain impacts, but overall the expected impacts are neutral. Furthermore, there are potentially negative or unknown impacts of non-fishing activities in this region on the various VECs identified. As for the direct and indirect impacts of the proposed action on each VEC, the overall impacts are expected to be positive to neutral.

Table 206 – Summary of cumulative effects of the proposed action

	Scallop Resource	Physical Habitat/ EFH	Protected Resources	Fishery-Related Businesses and Communities	Other Fisheries	Summary of all VECs
Direct/Indirect Impacts of Proposed Action	Neutral to positive	Neutral	Neutral	Positive	Neutral to positive	Neutral to positive
Past and Present Fishing Actions Impacts	Neutral to positive	Positive	Neutral to positive	Low negative to positive	Positive	Neutral to positive
Reasonably Foreseeable Future Fishing Actions Impacts	Neutral to potentially positive	Neutral/ uncertain to potentially positive	Neutral/ uncertain - potentially positive	Low negative to positive	Low negative to potentially positive	Low negative to potentially positive
Non-Fishing Actions Impacts	Unknown/ potentially negative	Negative	Negative	Uncertain to potentially negative	Uncertain - potentially negative	Unknown to negative
Cumulative Effects	<i>Neutral to positive</i>	<i>Neutral to positive</i>	<i>Neutral to potentially positive</i>	<i>Neutral/uncertain to positive</i>	<i>Neutral</i>	<i>Neutral to potentially positive</i>

6.0 CONSISTENCY WITH THE MAGNUSON-STEVENSON CONSERVATION AND MANAGEMENT ACT

The Magnuson-Stevens Act, implemented October 11, 2006, changed the standards for fisheries management. This section describes how this action is consistent with the various requirements of the Magnuson-Stevens Act. During development of this action the M-S Act was reauthorized and became effective on January 12, 2007. Several new provisions are now required of fishery management actions, and a description of how this action is consistent with these new provisions has been included in this section as well.

6.1 NATIONAL STANDARDS

Section 301 of the Magnuson-Stevens Fishery Conservation and Management Act requires that fishery management plans (FMPs) contain conservation and management measures that are consistent with the ten National Standards:

In General. – Any fishery management plan prepared, and any regulation promulgated to implement any such plan, pursuant to this title shall be consistent with the...national standards for fishery conservation and management.

(1) *Conservation and management measures shall prevent overfishing while achieving, on a continuing basis, the optimum yield from each fishery for the United States fishing industry.*

The proposed action does not include measures to change the present overfishing definition. The primary intent of this action is to control capacity and mortality in the general category fishery, which will help reduce the potential for overfishing the scallop resource overall. Currently the general category fishery is an open access fishery, and while fishing mortality projections estimate the expected level of mortality from this component of the fishery and reduce that from the allocated effort in the limited access fishery, there is uncertainty in the estimate of mortality from the general category fishery and there is increased risk the estimated level of mortality could be exceeded. These risks are increased under an open access fishery if conditions are right (i.e. high price for scallop meat and resource availability near shore).

By implementing limited entry and an overall catch limit for the general category sector there is much greater certainty that fishing mortality from this component of the fishery will not cause fishing mortality targets and thresholds in the Scallop FMP to be exceeded. The proposed action still allows optimum yield to be achieved for the fishery overall on a continuing basis. Future framework actions will implement the actual allocation of limited access DAS and access area trips, as well as general category management measures to achieve optimum yield. This action does not change the biennial framework process that implements management measures to ensure that measures in the Scallop FMP achieve optimum yield on a continuing basis.

(2) *Conservation and management measures shall be based upon the best scientific information available.*

This action is based on the most recent updated assessment of scallops available. The updated assessment (NEFSC 2006) is based on data through the end of calendar year 2005 and the methods used were identical to that used in the last fully peer-reviewed stock assessment (NEFSC 2004). The updated assessment report is available in Appendix IV. In summary, the overall scallop survey index in 2005 was 7.8 kg/tow, above the biomass target of 5.6 kg/tow. Thus overfishing was not occurring. The report noted two important caveats to the estimate: 1) the fishing mortality estimate is based on a spatial average over some areas that are closed and some that are heavily fished, so some areas experience mortality above the target, and some below; 2) there has been considerable growth in general category fishing effort in the last several years, which could threaten overfishing unless management action is taken.

The Council requested that the PDT produce an updated estimate of maximum sustainable yield (MSY) during development of Amendment 11 so that a value of long-term estimated catch could be used in the analyses and decision making process. Since this action includes many allocation decisions, the Council wanted a clear understanding of the status of the resource and most recent estimate of long-term yield. The Science and Statistical Committee (SSC) reviewed the estimate of scallop (MSY) used in the amendment and found it to be sound. The status of the scallop resource is updated each year and the methods used in the assessment process are re-evaluated about every three years. Therefore, the Stock Assessment Review Committee (SARC) recently met in June 2007 to review the updated assessment and methods used to estimate biomass and fishing mortality. The final report from that assessment is still not available, but will be used in future scallop actions.

Several sources of data were used in the development of this document, including the analysis of potential impacts. These data sources include, but are not limited to: landings data from vessel trip reports, data from Vessel Monitoring Systems (VMS), information from resource trawl and dredge surveys, sea sampling (observer) data, data from the dealer weighout purchase reports, as well as other sources. Fishing industry members have also provided useful information about various aspects of the scallop fishery that have been integrated into this document when applicable as well. Although there are some limitations to the data used in the analysis of impacts of management measures and in the description of the affected environment, these data are considered to be the best available. Information about bycatch is based on reports collected by the NEFSC Sea Sampling (Observer) Branch and incorporated into the NOAA Fisheries observer database. The observer data are collected using an approved, scientifically-valid sampling process. Furthermore, the analyses were prepared by and reviewed by the Council's Scallop Plan Development Team and complies with the Information Quality Act. Additional discussion related to the Information Quality Act can be found in Section 7.7 of this document.

(3) To the extent practicable, an individual stock of fish shall be managed as a unit throughout its range, and interrelated stocks of fish shall be managed as a unit or in close coordination.

Under the Atlantic Sea scallop FMP, the target fishing mortality rate and stock biomass are applied to the scallop resource from North Carolina to Maine at the US/CAN boundary. This encompasses the entire range of scallop stocks under Federal jurisdiction. Although management measure may vary within the management unit, the overfishing definition applies to

the entire scallop resource. Furthermore, impacts assessed in this action are evaluated for some components of the fishery individually, as well as the fishery overall.

This action includes a measure to implement a separate management system for the general category fishery in the Northern Gulf of Maine. While a separate limited entry program will be implemented for this area, a hard-TAC will also be implemented to prevent overfishing in this area and to be consistent with measures managing the stock overall. The amount of resource in this area is a small portion of the overall resource and is not believe to affect recruitment.

The scallop resource does extend into Canadian waters, on and around Georges Bank. There is no direct or indirect scallop management coordination with Canada; however, scientists from both countries do collaborate on stock assessment processes. It is believed that Canadian scallops on Georges Bank contribute to recruitment in US waters, but there is sufficient spawning capacity in US waters.

(4) Conservation and management measures shall not discriminate between residents of different States. If it becomes necessary to allocate or assign fishing privileges among various United States fishermen, such allocation shall be (A) fair and equitable to all such fishermen; (B) reasonably calculated to promote conservation; and (C) carried out in such manner that no particular individual, corporation, or other entity acquires an excessive share of such privileges.

The management measures proposed in this amendment do not discriminate between residents of different states. The allocation of fishing privileges through the proposed limited access program is intended to be fair and equitable to current and recent general category participants and also considers historical participation in the fishery to the extent possible. Fishing privileges are allocated based on participation in the fishery from March 1, 2000 – November 1, 2004. Each qualifying vessel will be treated equally regardless of homeport or location fished. Vessels will receive an individual allocation based on landings from their best year, and vessels that have been in the fishery for a longer period of time will have their landings multiplied by a weighting factor. Since the proposed limited access program will allocate access in individual pounds, vessels will have the flexibility to harvest their allocation in the most efficient way (still maintaining the 400 pound possession limit). Since the general category limited entry program is restricted to 5% of the total projected scallop catch, the allocation program is expected to promote conservation.

While the measures do not discriminate among permit holders, they do have different impacts on different participants. For example, there are some vessels that are not going to qualify for a limited entry general category permit because they did not have a permit before the control date of November 1, 2004. The Council decided to include the control date cut off in the proposed action for qualification to be consistent with the decision to implement a control date in the first place. In 2004 the Council recognized that there was a substantial increase in general category fishing effort and requested NMFS to implement a control date to put permit owners on notice that future management actions may follow. A control date promotes awareness of potential eligibility criteria for future access and is intended to discourage speculative entry into a fishery while a Council considers whether and how access to the fishery should be controlled.

Particularly because of the explosion of effort in the year following the control date by many

vessels that are no longer, or were not involved in the fishery before the control date. The Council felt that restricting the limited entry program to vessels with history before the control date was justified.

The Council adopted several specific measures that are consistent with the provision that no particular individual, corporation, or other entity acquires an excessive share. For example, the proposed action includes a provision to prevent a vessel from having more than 2% of the total general category allocation. Furthermore, an individual or corporation will not be permitted to have an ownership interest in more than 5% of the total general category allocation. Lastly, the proposed action does include a measure to allow voluntary formation of sectors, but there is a provision that one sector could not be allocated more than 20% of the total general category allocation. All these measures are intended to prevent an individual, corporation, or other entity to acquire an excessive share of fishing privileges in the general category scallop fishery.

The proposed management measures have been analyzed in this FSEIS document and are expected to promote conservation of the scallop resource over the long-term by managing capacity and mortality in the general category fishery.

(5) Conservation and management measures shall, where practicable, consider efficiency in the utilization of fishery resources; except that no such measure shall have economic allocation as its sole purpose.

The proposed action should promote efficiency in the utilization of fishery resources by implementing a limited entry program intended to provide access to the fishery for both current and historical participants. Furthermore, there is a provision to allow vessels to buy/sell access to the fishery on a permanent or temporary basis. This provision enables some vessels to sell their allocation if it is not efficient for them to harvest their allocation on a permanent or annual basis. On the other hand, it may be more efficient for other vessels to acquire more access to the general category fishery.

There are several measures in place that arguably reduce efficiency for general category scallop vessels, namely the 400 pound possession limit. However, the Council maintains that this provision should stay in place to help preserve the nature of the general category fishery. While it may be more efficient for some vessels to land more than 400 pounds per trip, the Council believes that the possession limit has been the cornerstone of general category management and will help to maintain the historical small-boat character of this fleet and allow the catch to be more effectively monitored.

Economic allocation is not the sole purpose of this action: the measures are primarily intended to control mortality in the general category fishery and do so in the most equitable and efficient way possible while maintaining the historical character of the fishery. Allocation of permits is based on participation in the fishery during 2000 through 2004 and is intended to promote stability in the general category sector of the scallop fishery, consequently having long-term benefits for the industry and resource overall. This action also establishes an incidental permit has also been established in this action that will accommodate small incidental catches of scallop

up to 40 pounds per trip in non-directed fisheries. This permit is intended to reduce bycatch and promote efficiency in the utilization of fishery resources.

(6) Conservation and management measures shall take into account and allow for variations among, and contingencies in, fisheries, fishery resources, and catches.

Atlantic sea scallops are a very dynamic and variable resource. Historical landings have varied over time. Changes in the fishery occur continuously, both as a result of human activity and natural variation. This action will not change the variability in this resource and fishery. However, one purpose of this action is to help stabilize capacity and mortality from the general category fishery overall. Individual and overall landings will vary per year based on available resource and stock status, but the general category fishery will be limited to 5% of total projected catch as a result of this action. Qualifying vessels will be allocated an individual poundage of scallop meats per year, and that amount will vary as specified in future framework actions. However, the percent of total access a vessel has compared to all general category vessels will remain the same.

All the area rotation measures in the Scallop FMP that take into account variations in the resource and catch will not change as a result of this action. Furthermore, the biennial framework program that sets management measures like DAS and access area trips will not change as a result of this action, and that process allows the fishery to respond to variations in resource availability etc. This action will allow for a diverse fleet of vessels to participate in the general category fishery at a variety of levels. For example, there are vessels with different gear types, vessel size and fishing practices that will qualify for a limited entry general category permit. Similarly, there is a group of vessels that will qualify for a Northern Gulf of Maine limited entry permit that will be permitted to fish for scallops at a reduced level. Some current limited access vessels will also qualify to fish for scallops under general category rules if they meet the same qualification criteria. In addition, there are hundreds of vessels that will qualify for an incidental catch permit that will have the ability to land a smaller amount of scallops while fishing for other species. These various permit types proposed in this action account for the variations in this component of the scallop fishery, availability and catches.

(7) Conservation and management measures shall, where practicable, minimize costs and avoid unnecessary duplication.

The Council considered the costs and benefits of this action when developing the amendment. The Council considered the costs to the industry and the nation overall of taking no action relative to adopting a limited entry program and the expected benefits are greater in the long-term under limited entry. The proposed action is intended to minimize costs and avoid unnecessary duplication, to the extent possible, while controlling capacity and mortality in the general category fishery. Any costs incurred as a result of the proposed action are considered to be necessary to achieve the goals and objectives of the amendment.

The measures proposed are not duplicative and were developed in close coordination with NMFS, the Mid-Atlantic Fishery Management Council, and other interested entities and agencies to minimize duplicity.

(8) Conservation and management measures shall, consistent with the conservation requirements of this Act (including the prevention of overfishing and rebuilding of overfished stocks), take into account the importance of fishery resources to fishing communities by utilizing economic and social data that meet the requirements of National Standard 2 in order to (A) provide for the sustained participation of such communities, and (B) to the extent practicable, minimize adverse economic impacts on such communities.

The Council carefully considered the importance of the general category fishery to affected fishery-related businesses and communities when developing the management measures proposed in Amendment 11. A complete description of the fishing communities engaged in the scallop fishery is provided in Section 4.4 of this document. This information represents the best available information, consistent with National Standard 2, and contributed to a thorough analysis of economic and social impacts of this amendment. The vision statement for this action includes reference to the importance of providing opportunities to various participants including vessels from smaller coastal communities. The proposed action for Amendment 11 includes measures that will provide access to this fishery for a variety of vessels from coastal communities along the east coast. For example, the landings criteria selected (1,000 pounds) was kept at a relatively low level to provide access to this fishery to more vessels that have participated in this fishery at various levels. Furthermore, the separate limited entry program for the NGOM was adopted to provide a reduced level of access for more vessels, particularly vessels that are from smaller fishing communities in the NGOM that depend on having some level of access to various fisheries. Lastly, the incidental catch permit should enable more vessels that land a small amount of scallops to benefit by permitting them to sell the product they catch up to 40 pounds.

Other measures that were adopted to foster continued participation in the fishery are the provisions that allow stacking of access privileges. Qualifying vessels will be permitted to lease or buy allocation on a permanent or temporary basis. This will enable vessels that do not receive an adequate amount of allocation to remain viable and remain in the fishery if they want to purchase additional quota. Furthermore, there is a provision to allow the formation of voluntary sectors. It may be more beneficial for a group of vessels from a fishing community for example to form a sector, and this action implements a mechanism for groups of vessels to organize and apply for a sector in the general category fishery.

(9) Conservation and management measures shall, to the extent practicable, (A) minimize bycatch and (B) to the extent bycatch cannot be avoided, minimize the mortality of such bycatch.

This action minimizes bycatch to the extent practicable. Section 5.6.2 describes the impacts on non-target species from the proposed action and other measures under consideration. In general, a limited entry program is expected to have fewer impacts on non-target species because fewer boats will be permitted to fish for scallops under general category. Furthermore, there will be limits on overall fishing level and each vessel is going to be restricted to an individual quota. In addition, the proposed incidental catch permit is intended to reduce scallop bycatch on vessels that are targeting other species.

(10) Conservation and management measures shall, to the extent practicable, promote the safety of human life at sea.

Fishing is a dangerous occupation; participants must constantly balance the risks imposed by weather against the economic benefits. A management plan should be designed so that it does not encourage dangerous behavior by the participants. The Council is aware of the safety implications of its management decisions, both through extensive public comment and the practical experience of many of its members. The management measures implemented through Amendment 11 promote the safety of human life at sea by implementing a limited access program that is intended to provide participants in the fishery with adequate opportunities to harvest the overall general category TAC on a year-round basis. In addition, several specific measures were selected to reduce potential impacts on safety. The Council allocated access to qualifying vessel in individual pounds rather than allocating a number of 400 lb. trips per vessel specifically in response to public comments from the industry about the potential safety concerns with allocation in trips. Because a limit on the number of 400 lb. trips might encourage vessels to fish in unsafe conditions to ensure that they catch 400 lb. of scallops on each trip. The Council ultimately decided to recommend allocation in pounds to promote safer fishing practices.

It is possible that some vessels will receive less allocation than they have previously depended on. If operators are unable to afford maintenance or safety equipment it is possible that there could be an increase in accidents. Furthermore, smaller allocations could also lead to less experience for crew and vessel captains, which could have impacts on safety. However, there are several measures in the proposed action to help mitigate these potential issues. For example, the proposed action does allow for stacking of access on one vessel. A vessel would be permitted to stack allocation up to 2% of the entire general category allocation. Measures like this could enable a vessel to remain more profitable, thus be able to afford basic safety equipment and maintenance for their vessel.

6.2 OTHER REQUIRED PROVISIONS OF THE M-S ACT

Section 303 of the Magnuson-Stevens Fishery Conservation and Management Act contains fifteen additional required provisions for FMPs, which are discussed below. Any FMP prepared by any Council, or by the Secretary, with respect to any fishery, shall:

(1) contain the conservation and management measures, applicable to foreign fishing and fishing by vessels of the United States, which are-- (A) necessary and appropriate for the conservation and management of the fishery to prevent overfishing and rebuild overfished stocks, and to protect, restore, and promote the long-term health and stability of the fishery; (B) described in this subsection or subsection (b), or both; and (C) consistent with the National Standards, the other provisions of this Act, regulations implementing recommendations by international organizations in which the United States participates (including but not limited to closed areas, quotas, and size limits), and any other applicable law;

Since the domestic scallop fishery is capable of catching and processing the allowable biological catch, there is no total allowable level of foreign fishing and foreign fishing on sea scallops is not permissible at this time.

(2) contain a description of the fishery, including, but not limited to, the number of vessels involved, the type and quantity of fishing gear used, the species of fish involved and their location, the cost likely to be incurred in management, actual and potential revenues from the fishery, any recreational interest in the fishery, and the nature and extent of foreign fishing and Indian treaty fishing rights, if any;

Amendment 11 contains a description of the fishery and fishery participants, with a focus on the vessels in the general category fishery that would be impacted by the measures in Amendment 11. A complete description of the scallop fishery and fishery participants describing the limited access in more detail is included in Section 7.1 of Amendment 10 to the Scallop FMP.

Furthermore, Section 4.4 of this document includes a summary of the fishery and various participants as well as the actual and potential revenues from the fishery for various components of the fishery. Currently, there is neither foreign fishing for scallops in the EEZ, nor are there any Indian treaty rights related to this fishery.

(3) assess and specify the present and probable future condition of, and the maximum sustainable yield and optimum yield from, the fishery, and include a summary of the information utilized in making such specification;

The present and probable future condition of the resource and estimates of MSY and OY are given in Section 8.2.2.2 of Amendment 10 to the Scallop FMP. Current domestic landings and processing capabilities are around 50 million lbs., while OY is around 45 million lbs. Total landings in 2004 were about 62 million pounds and about 52 million pounds in 2005, based on NMFS dealer weighout data. Section 4.4 describes the expected level of landings and revenue in both the short-term and long-term.

(4) assess and specify-- (A) the capacity and the extent to which fishing vessels of the United States, on an annual basis, will harvest the optimum yield specified under paragraph (3); (B) the portion of such optimum yield which, on an annual basis, will not be harvested by fishing vessels of the United States and can be made available for foreign fishing; and (C) the capacity and extent to which United States fish processors, on an annual basis, will process that portion of such optimum yield that will be harvested by fishing vessels of the United States;

These required provisions relate directly to the fishery specification process that is addressed in biennial framework actions under the Scallop FMP. For example in 2007 the Council will develop Framework 19 that will set management measures for fishing years 2008 and 2009 to achieve optimum yield. Currently, the US fishery has the capacity to harvest 100% of OY and domestic processors have the capacity to process 100% of OY.

(5) specify the pertinent data which shall be submitted to the Secretary with respect to commercial, recreational, charter fishing, and fish processing in the fishery, including, but not limited to, information regarding the type and quantity of fishing gear used, catch by species in numbers of fish or weight thereof, areas in which fishing was engaged in, time of fishing, number of hauls, economic information necessary to meet the requirement and the estimated processing capacity of, and the actual processing capacity utilized by, United States fish processors;

The FMP and existing regulations specify the type of reports and information that scallop vessel owners and scallop dealers must submit to NMFS. These data include, but are not limited to, the

weight of target species and incidental catch which is landed, characteristics about the vessel and gear in use, the number of crew aboard the vessel, when and where the vessel fished, and other pertinent information about a scallop fishing trip. Dealers must report the weight of species landed by the vessel, the date of landing, and the ex-vessel price for each species and/or size grade. Important information about vessel characteristics, ownership, and location of operation is also required on scallop permit applications. Dealers are also surveyed for information about their processing capabilities.

All limited access scallop vessels and are also required to operate vessel monitoring system (VMS) equipment to record the location of the vessel for monitoring compliance with DAS regulations. As a result of this action, all limited entry general category vessels will also be required to operate VMS as declare trips and report scallop landings through VMS. An at-sea observer is also placed on scallop vessels at random to record more detailed information about the catch, including size frequency data, the quantity of discards by species, detailed gear data, and interactions with protected species.

(6) consider and provide for temporary adjustments, after consultation with the Coast Guard and persons utilizing the fishery, regarding access to the fishery for vessels otherwise prevented from harvesting because of weather or other ocean conditions affecting the safe conduct of the fishery; except that the adjustment shall not adversely affect conservation efforts in other fisheries or discriminate among participants in the affected fishery;

The action proposed in this amendment does not alter any adjustments made in the Scallop FMP that address opportunities for vessels that would otherwise be prevented from harvesting because of weather or other ocean conditions affecting the safe conduct of the fisheries. Vessels that qualify for a limited entry general category permit are allowed to land their individual allocation throughout the fishing year. No consultation with the Coast Guard is required relative to this issue.

(7) describe and identify essential fish habitat for the fishery based on the guidelines established by the Secretary under section 305(b)(1)(A), minimize to the extent practicable adverse effects on such habitat caused by fishing, and identify other actions to encourage the conservation and enhancement of such habitat;

Essential fish habitat was defined in earlier scallop actions. This amendment does not further address or modify those EFH definitions. Section 4.2.2 describes Scallop EFH and the impacts on scallop gear on EFH of all relative species in the region. Adverse impacts of scallop fishing on EFH were minimized by actions taken in Amendment 10 to the Scallop FMP. There are no additional impacts to the physical environment or EFH expected from the action proposed in this amendment.

(8) in the case of a fishery management plan that, after January 1, 1991, is submitted to the Secretary for review under section 304(a) (including any plan for which an amendment is submitted to the Secretary for such review) or is prepared by the Secretary, assess and specify the nature and extent of scientific data which is needed for effective implementation of the plan;

Data and research needs relative to Atlantic sea scallop and its associated fisheries are described in Section 5.1.8 of Amendment 10. Other data, already collected include fishery dependent data described in Section 6.2.4 of Amendment 10 and fishery-independent resource surveys that provide an index of scallop abundance and biomass.

(9) include a fishery impact statement for the plan or amendment (in the case of a plan or amendment thereto submitted to or prepared by the Secretary after October 1, 1990) which shall assess, specify, and describe the likely effects, if any, of the conservation and management measures on-- (A) participants in the fisheries and fishing communities affected by the plan or amendment; (B) participants in the fisheries conducted in adjacent areas under the authority of another Council, after consultation with such Council and representatives of those participants; and (C) the safety of human life at sea, including weather and to what extent such measures may affect the safety of participants in the fishery;

This amendment document includes analyses and discussion of the impacts of the Proposed Action on the affected human environment, including scallop fishery participants and communities. The fishery impact statement for this amendment is contained in Section 5.4. The Council developed the measures proposed in this amendment in consultation with NMFS and the Mid-Atlantic Fishery Management Council as well, through the participation of its members on the Scallop PDT, Advisory Panel, and Committee, in addition to attendance at Council meetings.

(10) specify objective and measurable criteria for identifying when the fishery to which the plan applies is overfished (with an analysis of how the criteria were determined and the relationship of the criteria to the reproductive potential of stocks of fish in that fishery) and, in the case of a fishery which the Council or the Secretary has determined is approaching an overfished condition or is overfished, contain conservation and management measures to prevent overfishing or end overfishing and rebuild the fishery;

Overfishing reference points describing targets and thresholds for biomass and fishing mortality are presented and explained in Section 5.1.1 of Amendment 10. These reference points were chosen as a proxy for our best estimate of levels that will produce MSY and prevent an overfished condition (that will threaten spawning potential) from developing. These reference points were derived based on median recruitment data from 1982 – 2002 and yield-per-recruit analyses conducted by SARC 32 (NMFS 2000).

(11) establish a standardized reporting methodology to assess the amount and type of bycatch occurring in the fishery, and include conservation and management measures that, to the extent practicable and in the following priority-- (A) minimize bycatch; and (B) minimize the mortality of bycatch which cannot be avoided;

The FMP relies on a standard data collection program, the Sea Sampling Observer Program, and provides a funding mechanism for the scallop industry to pay for observer coverage to ensure an adequate level of sampling – 1% observer set-aside program. These data will improve and be used for assessing the amount and type of bycatch occurring in the scallop fishery. The Council and NMFS initiated the development of an omnibus amendment to Northeast Region FMPs to address Standardized Bycatch Reporting Methodology (SBRM) across all fisheries. This action was approved at the June 2007 Council meeting as is currently being reviewed by NMFS for implementation. Amendment 11 does not change the standardized bycatch reporting

methodology used in the scallop fishery. Future actions such as Framework 19 will specify the SBRM and recommended levels of observer coverage by gear, area, etc.

(12) *assess the type and amount of fish caught and released alive during recreational fishing under catch and release fishery management programs and the mortality of such fish, and include conservation and management measures that, to the extent practicable, minimize mortality and ensure the extended survival of such fish;*

This Proposed Action does not address recreational fishing regulations. There are no substantial recreational or charter fishing sectors in the scallop fishery. Any recreational scallop fishing is likely conducted by diving, and harvest is by hand, maximizing the survival of released scallops.

(13) *include a description of the commercial, recreational, and charter fishing sectors which participate in the fishery, including its economic impact, and, to the extent practicable, quantify trends in landings of the managed fishery resource by the commercial, recreational, and charter fishing sectors;*

A detailed description of the scallop fishery is included in Section 7.1 of Amendment 10 and Section 4.4 of this document. These sections provide information relative to scallop vessels, processors, and dealers. There are no substantial recreational or charter fishing sectors in the scallop fishery. Trends in landings and economic impacts are also described.

(14) *to the extent that rebuilding plans or other conservation and management measures which reduce the overall harvest in a fishery are necessary, allocate, taking into consideration the economic impact of the harvest restrictions or recovery benefits on the fishery participants in each sector, any harvest restrictions or recovery benefits fairly and equitably among the commercial, recreational, and charter fishing sectors in the fishery and;*

The action proposed in this amendment does not reduce the overall harvest from the Atlantic sea scallop fishery. Harvest from the Atlantic sea scallop fishery will continue to be reviewed, established, and analyzed through the biennial framework process. For example, Framework 19 will be developed this year and it will include management measures for FY2008 and FY2009. That action will consider fairness and equity as it relates to a reduction in the overall harvest of sea scallops, should such a reduction occur in the future. Recreational fishing for sea scallops is rare, does not occur in the US EEZ, and does not affect the success of the FMP.

(15) *establish a mechanism for specifying annual catch limits in the plan (including a multiyear plan), implementing regulations, or annual specifications, at a level such that overfishing does not occur in the fishery, including measures to ensure accountability.*

This action includes a 5% allocation of total projected scallop catch to the general category fishery. When the total projected catch is estimated for a particular fishing year 5% of that amount will be allocated to general category qualifiers. For example, in 2009 if the total projected scallop catch is 50 million pounds, 5% of that will be allocated to general category qualifiers. Each vessel will receive an individual allocation of quota adding up to the total 5% (2.5 million pounds for this example). Similarly, limited access vessels that qualify to fish under general category will receive an individual allocation of scallops up to 0.5% for that component of the fishery (250,000 pounds). The remaining projected catch (94.5% or 47.25 million pounds

for this example) will be allocated to the limited access fishery in the form of DAS and access area trips. The annual catch limits implemented by this action are intended to reduce the risk of overfishing. If an individual general category vessel lands more than their allocation they would be subject to enforcement action. Furthermore, if the fishery overall exceeds the total projected catch future specifications may be reduced if that additional level of mortality is projected to cause overfishing. Amendment 11 also includes provisions for the Council's Scallop Plan Development Team to evaluate incidental harvest mortality and to take into account such mortality in the development of future framework actions for the development of biennial fishing measures. The Council will consider a mechanism to address this provision formally in the Scallop FMP by 2011, as required by the MSA. Also, as the Council develops new measures, it will consider ways to ensure that all catch is accounted for and that accountability measures are considered, similar to the Council's action in Amendment 11 for incidental catch, as described above.

6.3 DISCRETIONARY PROVISIONS RELATED TO LIMITED ACCESS

Section 303 of the Magnuson-Stevens Fishery Conservation and Management Act also includes discretionary provisions for FMPs, one of which relates to the development of a limited access program for a fishery and is discussed below.

Any FMP prepared by any Council, or by the Secretary, with respect to any fishery, may:

- (6) *establish a limited access system for the fishery in order to achieve optimum yield if, in developing such system, the Council and the Secretary take into account --*
 - (A) *present participation in the fishery,*
 - (B) *historical fishing practices in, and dependence on the fishery,*
 - (C) *the economics of the fishery,*
 - (D) *the capability of fishing vessels used in the fishery to engage in other fisheries,*
 - (E) *the cultural and social framework relevant to the fishery and any affected fishing communities, and*
 - (F) *any other relevant considerations.*

The Council considered the above factors carefully when developing the limited access program proposed in this amendment, as discussed below.

Present participation was accounted for by selecting a shorter time frame for qualification. The Council discussed that the 1994 through 2004 time period would have additional negative impacts on more recent participants because vessels that have not fished in the fishery for over ten years could receive a permit and that would reduce available quota for vessels that are active in the fishery. The Council is aware that new vessels have entered the scallop fishery since the November 1, 2004 control date and some have become very dependent on the scallop fishery (see Section 5.4.6.1.4 for a detailed analysis of the expected impacts of this action on this group of vessels). In general, the Council is not supportive of extending the qualification period beyond the control date for this action. It was discussed numerous times during development of

Amendment 11, and the Council determined that including the vessels and effort levels after the control date would compromise the entire limited entry program for vessels that have historically participated in this fishery at various levels. Implementing a program under a 5% total allocation with participants after the control date would have large impacts on all participants since the level of landings in the years after the control date were over twice that level in most years (2005 and 2006).

The Council also discussed that the total number of qualifying vessels should not be a number that will spread the allocation so thin that vessels that are dependent on this fishery can no longer remain viable. Therefore, the Council selected qualification criteria that would permit approximately 369 permits. The Council also adopted a separate program for the NGOM to recognize that some historic participants will not qualify under the criteria, and these vessels should have an opportunity to access the general category fishery at a reduced level. Furthermore, the Council included a provision to allow limited stacking of quota so that vessels that do not receive an adequate allocation can buy or lease additional quota to make up revenue lost if that vessel was very dependent on the general category scallop fishery in the past. Similarly, if a vessel does not qualify for a permit, it could invest in purchasing a permit with allocation.

The economics of the fishery were accounted for by providing opportunities in the general category fishery at a variety of levels. The Council recognizes the importance of this opportunity as a component of total revenue for some vessels. Scallops in general have a higher price per pound in recent years. Furthermore, the Council is aware of the importance of this “day-boat” product for the scallop market overall. General category landings overall are usually landed from trips that are short in duration and the quality of the product landed is high. Moreover, the limited access program is designed to control capacity and mortality in the general category fishery to help prevent overfishing, which has long-term economic benefits on the fishery overall.

The capability of fishing vessels to engage in other fisheries was accounted for during development of this plan. There is an incidental catch permit that is available for vessels even if they qualify for the IFQ permit. If it is more advantageous for a vessel to have an incidental permit to land up to 40 pounds per trip rather than be restricted to the allocation that vessel would qualify for, a vessel could opt for the incidental catch permit instead. Furthermore, there are no restrictions in this program that make a vessel give up any other permits to qualify for a limited entry general category permit. The Council did not select any of the alternatives that included additional restrictions for qualifiers with trawl gear. It decided that if a vessel qualified using trawl gear it should not be restricted to use dredge gear etc.

The cultural and social framework relevant to the fishery and affected fishing communities was considered as the Council developed a limited access program. The Council ultimately selected criteria that were relatively inclusive to permit vessels that have participated in the fishery at various levels, and not just directed effort. The Council also retained the 400 pound possession limit to help maintain the cultural and social framework of the general category fishery. Lastly, a separate limited entry program was adopted for the NGOM to provide a reduced opportunity to

more vessels, particularly vessels that may have participated in the fishery historically or for vessels from small coastal communities that need access to various fisheries. Many participants stated that one of the main reasons the general category permit was first established was to provide a reduced level of access for vessels that fish for scallops in the GOM when the resource is available. Since that resource is sporadic many vessels in that area will not qualify under the qualification criteria. Therefore, this alternative was intended to be a placeholder for the future to provide some access to a fishery that has been part of the social framework of fishing in the GOM at certain times in the past.

6.4 COMPLIANCE WITH IFQ REQUIREMENTS

As discussed in Section 3.1.2.4.1.2, a referendum vote under the IFQ program adopted by the Council is not required since the Council adopted Amendment 11 within the 6-month transition period included in the reauthorized MSA. As required by the reauthorized MSA, the IFQ program adopted by the Council complies with the provisions described in Section 303(d) of the previous version of the MSA, including specifications for developing a cost recovery program in the framework adjustment process (Section 3.1.2.4.1.1).

6.5 EFH ASSESSMENT

This essential fish habitat (EFH) assessment is provided pursuant to 50 CFR 600.920(e) of the EFH Final Rule to initiate EFH consultation with the National Marine Fisheries Service.

6.5.1 Description of Action

In general, the activity described by this proposed action, fishing for sea scallops, occurs throughout the U.S. EEZ, from about the NC/VA border to the coastal portions of the Gulf of Maine in the north. The concentrations of sea scallops, and thus the majority of scallop fishing activity, however, occur within a narrow depth band in the Mid-Atlantic from about the 40-meter isobath out to the 100-meter isobath, throughout the Hudson Canyon area, and around the perimeter of Georges Bank, including the Great South Channel. Thus, the range of this activity occurs across the designated EFH of all Council-managed species (see Amendment 9 to the Atlantic Sea Scallop FMP for a list of species for which EFH was designated, the maps of the distribution of EFH, and descriptions of the characteristics that comprise the EFH). This activity also occurs across EFH designated by the Mid-Atlantic Council for species such as black sea bass, ocean quahog, scup, spiny dogfish, summer flounder, and tilefish (see the Dogfish, Surf clam and Ocean Quahog, Summer Flounder, Scup and Black Sea Bass, and Tilefish FMPs for relevant information on the characteristics and distribution of EFH designated for these species). EFH designated for species managed under the Secretarial Highly Migratory Species FMPs are not affected by this action, nor is any EFH designated for species managed by the South Atlantic Council as all of the relevant species are pelagic and not directly affected by benthic habitat impacts.

Amendment 11 recommends implementation of measures to control capacity and mortality in the general category scallop fishery. The proposed action includes a limited entry program for the general category fishery. Each qualifying vessel will receive an individual allocation in pounds of scallop meat with a possession limit of 400 pounds. Qualifying vessels will receive a total

allocation of 5% of the total projected scallop catch. There are various permit provisions proposed as well including some level of stacking allocations on a permanent or temporary basis, approval of a mechanism for voluntary sectors in the general category fishery, and other provisions. The proposed action also includes a separate limited entry program for general category fishing in the Northern Gulf of Maine. This permit has no landings qualification criteria, but a vessel had to have a permit before the November 1, 2004 control date and a hard total allowable catch will be set for the area. The proposed action also includes adjustments to limited access scallop fishing under general category rules. Another separate limited entry program for that activity is proposed with the same qualification criteria as the limited entry general category permit. Qualifying vessels will also receive an individual allocation in pounds, and the entire category will receive 0.5% of the total projected scallop catch. A separate limited entry incidental catch permit is proposed as well that will permit vessels to land and sell up to 40 pounds of scallop per trip while fishing for other species. General category permits will be issued in March rather than May to better integrate fishery data in the scallop management process, and other administrative provisions and adjustments are proposed as well. Table 207 lists the actions selected by the Council for implementation under Amendment 11 to the Atlantic Sea Scallop FMP and their expected impacts on the physical environment and EFH.

Table 207. Summary of Impacts to Physical Environment and EFH of Proposed Action

Alternatives	Physical Environment and EFH Impacts	Discussion
3.1.2 Measures to control capacity and mortality in the general category scallop fishery		
Limited Entry	Positive	By reducing the number of potential participants, over long-term will have positive impacts as effort is controlled as compared to No Action.
<i>Qualification criteria, time period and amount</i>	0	Only affect the contribution factor used to determine a vessels access to the resource (allocation), these alternatives will not have any adverse impacts.
<i>Allocation of access to GC limited entry permit holders</i>	0	No expected affect on overall effort so no impacts on EFH
<i>Limited entry permit provisions</i>	0	While this alternative could increase capacity, if the total fishing mortality for the general category fishery is limited (i.e. hard-TAC) then there should be no additional impacts.
<i>Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear</i>	0	Transfer of effort between trawls and dredges will be conservation neutral on the physical environment and EFH. As such, there would be no adverse impacts.
<i>Sectors and Harvesting Cooperatives</i>	+/0	Indirect impacts may be beneficial since voluntary sectors may be able to identify ways to fish more efficiently, potentially reducing bottom contact time and impacts.
<i>Interim measures for transition to limited entry</i>	0/Uncertain	Overall, neutral because interim measures only. For the hard-TAC alternative - while the initial fishing pressure may be more intense under a hard TAC system than without, it is unclear if this will result in more or less impacts because the non-hard TAC system would merely spread out the effort over a longer portion of the year which may not allow the physical environment and EFH as much time to recover from the effects of scallop fishing.
3.1.4 Establish a Northern Gulf of Maine Scallop Management Area (NGOM)		
<i>Establish a Northern Gulf of Maine Management Area Limited Entry</i>	0/+	Vessel will be restricted by a 200 pound per trip possession or trip limit and can only fish with a 10.5foot dredge. This is a

Alternatives	Physical Environment and EFH Impacts	Discussion
<i>program</i>		smaller trip limit and a smaller dredge than is used in the traditional scallop fishery (limited access) and could have positive benefits for habitat by reducing the amount of benthic impacts by both a potential smaller area swept and a lighter dredge. However, the hard TAC counts towards both the NGOM TAC and the overall TAC which could result in a derby and more intensive initial fishing effort at the beginning of the fishing year. However, it is difficult to predict the behavior of the fishery at this time. Therefore, the habitat impacts are difficult to predict but are likely slightly positive.
3.1.5 Monitoring Provisions	0	Administrative.
3.1.6 Measures to control capacity and mortality in the general category scallop fishery		
<i>Permit or prohibit limited access vessels from fishing under General Category</i>	+	Under the proposed action this sector of the fishery will be allocated 0.5% of the total TAC and an overall limit on catch for limited access vessels that qualify under the general category. This will result in positive impacts as the Limited Access fleet's ability to fish under the General Category rules will be limited.
<i>Allocation of quota to limited access vessels under general category</i>	0	Administrative.
3.1.7 Allocation between limited access and general category fisheries		
<i>Allocation of projected TAC for general category vessels</i>	+	Would be positive relative to No Action because catch, and therefore effort, would be controlled.
3.1.8 Incidental Catch	0	These alternatives are not expected to have negative impacts on EFH because they do not include additional effort.
3.2 Measures to allow better and more timely integration of recent data	0	Administrative
3.3 Other measures		
<i>Trawl gear restriction</i>	0	Administrative clarification.
<i>Possession limit of 50 bushels</i>	0/-	May result in negative impacts due to an increase of fishing effort by allowing the vessel to catch more than the current limit of 50 bushels. However, the vessel would have to discard any additional catch before crossing the VMS demarcation line and reduce the non-harvest mortality and associated fishing to catch it.

6.5.2 Potential adverse impacts on the action on EFH

Although scallop dredges have been shown to be associated with adverse impacts to some types of bottom habitat (NEFMC 2003), this action does not propose to increase current levels of fishing activity in the U.S. EEZ. In fact, this action proposes to constrain the growth of the General Category Scallop fleet and, therefore, will have a long-term positive impact on essential fish habitat as shown in Table 207. See Section 5.2 for a more detailed discussion of the potential impacts of each proposed management measures on the physical environment and EFH. Only one measure (possession limit of 50 bushels shoreward and 100 bushels seaward of the VMS demarcation line) has the potential to adversely impact the physical environment and EFH. This measure will most likely not result in a fleet-wide increase in effort. Relative to the No

Action alternative, the net EFH impact of all the management measures proposed in Amendment 11 is expected to be positive.

6.5.3 Proposed measures to avoid, minimize, or mitigate adverse impacts of this action

Table 208 includes a description of measures implemented by the Council in last major FMP amendments to minimize, mitigate or avoid adverse impacts of scallop fishing on EFH. This action would not adversely impact EFH.

In Amendment 13 to the Multispecies FMP and Framework 16 to the Scallop FMP, the New England Council implemented a range of measures to minimize the impacts of bottom trawling in the Gulf of Maine, George's Bank and Southern New England. In addition to the significant reductions in days-at-sea and some gear modifications, the Council closed 2,811 square nautical miles to bottom-tending mobile fishing gear (known as Habitat Closed Areas). See Section 5.7.4.1 for a description of the actions implemented in recent Council actions that act to minimize, mitigate or avoid impacts on EFH that are more than minimal and less than temporary in nature.

Although on August 2, 2005, actions taken in Framework 16 to the Scallop FMP to make the habitat closed areas spatially consistent in the Multispecies and Scallop FMPs were vacated, measures to minimize adverse effects of gear used in the scallop fishery that adversely affect EFH above the threshold allowed by law remain in effect due to the regulations promulgated as a result of Amendment 13 to the Northeast Multispecies FMP.

Because Amendment 11 does not propose any changes to the current measures to minimize the adverse impacts of scallop fishing on EFH that were previously established, adverse impacts of scallop fishing continue to be minimized and no additional measures are needed at this time. In addition, the cumulative effects of Amendment 11 actions to constrain the growth of the General Category Scallop fleet, which has experienced rapid and unrestricted growth in recent years, will be positive for EFH.

Table 208. Description of measures implemented by Council in last major FMP amendments to minimize, mitigate or avoid adverse impacts on EFH.

Measure	Source FMP (implemented by)	Description	Description of Habitat Impacts	Overall Habitat Impact
CLOSED AREA MEASURES				
Mortality Closure	Multispecies	Retention of existing groundfish closed areas in the Gulf of Maine, George's Bank and Southern New England. Addition of Cashes as a year round closure	Year-round closures provide habitat benefits to the areas within the closures. The addition of Cashes Ledge as a year-round closure will benefit EFH. Rare kelp beds are found in that area.	+
Habitat Closed Areas (MPAs)	Multispecies and Scallop	2811 square nautical miles closed to bottom-tending mobile gear indefinitely in five separate closed areas in GOM, GB and SNE.	Significant benefits to EFH by minimizing adverse effects of bottom trawling, scallop dredging and hydraulic clam dredging by prohibiting use.	+
Rotational Area Management (RAM)	Scallop	Amendment 10 implemented a rotational area management strategy which introduced a systematic structure that determines where vessels can fish and for how long. Framework adjustments will consider closure and re-opening criteria.	Expected to have positive effects on habitat because effort on gravelly sand sediment types is expected to decline. In general, swept area is expected to decline in most of the projected scenarios (especially in the Mid-Atlantic region), which could have positive impacts on EFH.	+
Habitat Closed Areas (MPAs)	Monkfish	Amendment 2 closed Oceanographer and Lydonia Canyons to trawls and gillnets on a monkfish DAS.	Precautionary action taken to ensure that any expansion of the monkfish fishery as a result of the other measures in Amendment 2 will not affect sensitive deep-sea canyon habitats for which EFH is designated.	+
EFFORT REDUCTION MEASURES				
Monkfish DAS usage by limited access permit holders in scallops and multispecies fisheries	Monkfish	Retain current requirement for vessels to use both monkfish DAS and scallop or multispecies DAS simultaneously	This alternative relies on the scallop and multispecies management plans to set DAS levels (with the exception of when DAS fall below 40 DAS). As DAS have been reduced by management actions over the past two years, consequent impacts on habitat by the directed monkfish fishery have been reduced proportionally. Further reductions are possible depending on management actions in these two plans.	+

Measure	Source FMP (implemented by)	Description	Description of Habitat Impacts	Overall Habitat Impact
Capacity Control	Multispecies	DAS can be transferred with restrictions and new measures for "reserve days"	Any measure that is intended to reduce the amount of time fishing by mobile gear will likely have benefits to EFH. These measures reduce amount of latent effort as well.	+
DAS Reductions	Multispecies	Mix of adaptive and phased effort reduction strategies. A days (60% of effective effort) B days (40% of effective effort) C days (FY01 allocation). Provides opportunity to fish on stocks that do not need rebuilding.	Reducing DAS will likely benefit EFH by reducing the amount of time vessels can fish.	+
DAS Limits	Scallops	Amendment 10 implemented a new program that allocates specific number of DAS for open areas and controlled access areas.	The total DAS allocation in open areas is significantly less than the Status quo DAS allocation. Less DAS translates into less fishing effort, so positive for EFH. Furthermore, CPUE in controlled access areas is expected to be greater, thus the gear is expected to spend less time on the bottom.	+
Possession Limits	Scallops	Reduced possession limit for limited access vessels fishing outside of scallop DAS	Vessels with limited access permits are currently allowed to possess and land up to 400 lbs per trip of shucked scallop meats when not required to use allocated DAS; this measure will reduce possession limit to 40 lbs/trip) and reduce fishing effort by vessels that have been targeting scallops under the higher general category possession limit. Scallops harvested under this provision cannot be sold.	+
GEAR MODIFICATION MEASURES				
Minimum mesh size on directed MF DAS	Monkfish	Mobile gear vessels are required to use either 10-inch square or 12-inch diamond mesh in the codend. Gillnets must be at least 10 inches	The mesh size regulations do not have a direct effect on habitat, but may indirectly minimize adverse effects of the fishery on complex bottom types by reducing the ability to catch groundfish, and therefore the incentive to target those fish in hard bottom areas.	+
Roller gear restriction	Monkfish	Establishes maximum roller gear diameter size for vessels fishing on a monkfish DAS.	Positive but not significant – sets maximum roller gear diameter equivalent to size currently in use in the area; prevents expansion of trawl effort into complex bottom areas and canyons.	+
Four inch rings	Scallop	Increase ring size on scallop dredge rig to 4" everywhere.	Four inch rings will slightly increase dredge efficiency for larger scallops, thus reducing bottom contact time in recently-opened areas where large scallops are abundant, but will reduce catch rates and increase bottom time in areas where medium-small sized scallops are prevalent.	+
OTHER MEASURES				

Measure	Source FMP (implemented by)	Description	Description of Habitat Impacts	Overall Habitat Impact
Observer Coverage	Multispecies	10% requested by 2006 for each gear type	If observers are able to collect data of interest to EFH management, increased coverage could indirectly benefit habitat.	+
TAC Set-Aside for research	Scallop	2% set-aside from TAC and/or DAS allocations to fund scallop and habitat research and surveys	Could indirectly benefit habitat when habitat research is funded and provides better information for future management decisions.	+

6.5.4 Conclusions

Section 5.7 (Cumulative Effects Analysis) demonstrates that the overall habitat impacts of all the measures combined in this action have positive impacts on habitat relative to No Action. The action proposed under this amendment will have no more than a minimal adverse effect on EFH of federally managed species. Because there are no substantial adverse impacts associated with this action, an abbreviated consultation may be the only required action.

7.0 RELATIONSHIP TO OTHER APPLICABLE LAW

7.1 NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)

7.1.1 Introduction

NEPA requires preparation of an Environmental Impact Statement (EIS) for major Federal actions that significantly affect the quality of the environment. The Council published a Notice of Intent (NOI) to prepare this Amendment and the EIS in the *Federal Register* on February 6, 2006, which was followed by three scoping meetings in Cape May, NJ, Portsmouth, NH, and Hyannis, MA. The Council prepared a scoping document that outlined some of the major issues and types of management measures that the Council might consider during the development of Amendment 11. The Council invited discussion on the scoping document and any other issues of concern at the scoping meetings as well as suggestions for appropriate management measures to consider during the development of this amendment.

To prepare the DSEIS, the Council held numerous meetings of its Scallop Oversight Committee, Scallop Advisory Panel, and Scallop Plan Development Team. The Council assembled a specific advisory panel with general category participants within the region while Amendment 11 was developed and discussed. The two advisory panels often met simultaneously, and sometimes they met separately. All of these meetings, as well as several related Council meetings, were open to the public. A list of public meetings held during the development of Amendment 11 is provided in Section 8.0 of this document.

The preferred alternatives, as well as the other management measures in this document were the subject of public hearings in May 2007. Public hearings were held in several locations in the Northeast including Maine, New Hampshire, Massachusetts, New Jersey and North Carolina. Complete meeting summaries from these hearings are included in Appendix III. The Council took public comment until the end of the public comment period (June 11, 2007). The responses to comments received on the DSEIS are included in Section 7.1.4. The Council approved the final management action and voted to submit Amendment 11 to NMFS at its June 2007 meeting in Portland ME.

7.1.2 Scoping Process

During the scoping period for Amendment 11, three scoping meetings were conducted, and numerous written comments were received. The digital recordings from the three scoping hearings are available on the Council website, or by request from the Council office. This

section summarizes the issues raised during the scoping period for Amendment 11, through both the scoping meetings and written comments. The Scallop Committee, Advisory Panel, and Plan Development Team considered all of the scoping comments during the development of the range of alternatives for consideration in Amendment 11.

7.1.2.1 Scoping Comments

The scoping period was from February 6 – March 6, 2006. Over 50 written comments were received during that time period and two comments were received after the scoping period deadline. In general, the scoping comments identified numerous issues for consideration in this amendment, and perspectives on each of the issues varied widely. The summary below identifies specific measures that were suggested regarding the seven scoping issues, and summarizes a sample of other comments received about scallop management in general. This summary is not intended to reflect every scoping comment that was received. The letters and scoping meeting summaries should be referenced to gain a better perspective on individual comments, ideas, and suggestions. The actual scoping comments are included in Appendix I.

- **Limited Entry**

Most commenters felt that limited entry is necessary. However, one voiced that it should only be considered if it can be proven that limited entry in the general category fleet is necessary to prevent overfishing. In addition, one suggested that what we are seeing is just the cyclical nature of the scallop fishery; if we wait the price will drop and effort will leave. Many commented that when the Council considers who should qualify it needs to remember that a certain poundage or number of trips is necessary to sustain an active day boat vessel. A handful suggested that the permit could be reserved for owner operators. One suggestion was made that consolidation of permits and trips/pounds should be considered in this action. Another voiced that there may be historic participants fishing in state waters that do not fall under Amendment 11 and these vessels should be identified and kept separate. Several suggested some sort of tiered permit system; with vessels that have a significant level of dependence, then vessels that do not qualify but have history, and then a bycatch fishery that reflects actual bycatch numbers. It was suggested that the bycatch permit could be different for various fisheries and areas. Or there could be “full-time” and “part-time” general category permits. There was concern expressed that we are shutting people out who have not had an impact on the fishery or caused overfishing. For example, when the resource returns in the GOM, the state of Maine needs to preserve the right to catch scallops. So Maine recommends an open access fishery for waters north of 43° 00 with a maximum of 200 pounds and the same input controls as required in the small dredge exemption area (max dredge of 10.5, 4-inch ring, 10-inch twine top and 5 person max crew). New requirement would be that the vessel must be owner operated. Another suggestion was made that the Council should consider a very small open access fishery with a lower possession limit, a hard TAC by region or season.

Control Date:

There were commenters in favor of using it, as well as against it. Some additional suggestions were going back to 1994 to identify the original historic participants, on the other hand there were suggestions to use the VMS data instead (Dec 2005), April 2005, or even the end of 2006. One recommended that for comparison the document should consider the full range (Nov 1, 2004 through end of 2006). One commenter voiced that if the goal of the action is to halt

expansion than the control date should be the only criteria used. Another idea was to use the control date as well as any vessels that have purchased VMS that did not have a permit before the control date. To get the smallest number of vessels, some suggested using the control date as the first “cutoff”, then the requirement to have VMS, and then a certain poundage/trip requirement. A few commenters voiced that history should not be included and a limited access permit should be given to all vessels that had a permit before the control date, “The use it or lose it approach is unfair.” While others said that history needs to be considered so permits are not given to people that have never landed scallops. A few voiced concern that if history is not considered an open access permit would all the sudden have value, and people who never scalloped would then just turn around and sell those permits for the profit. He estimated that a limited entry general category permit could go for as much as 40,000 to 100,000 dollars. However, one person stated that the general category was supposed to be relatively small and using a high poundage for qualification criteria would only reward those who have abused the original purpose and punish the occasional users. Another stated, the purpose of the general category permit has been lost; most of the boats are now full-time scallop boats that fish more than half the year, it used to be more like 70 to 100 trips a year.

Potential Qualification Criteria:

Numerous qualification criteria were suggested: 1) identify a certain number of pounds for 1998-2003 and give an incidental permit to the vessels that do not qualify; 2) vessels need to show 50 trips or 20,000 pounds (2,500 bushels) in one year; 3) vessels need to show 250 days fishing during a qualification period; 4) use the control date, and VMS and then average landings from five previous years; 5) 20,000 pounds prior to the control date; 6) use VMS date and 30 trips or 5,000 pounds in one year during a qualification period; 7) allocated days to individuals based on best year from 2000-2004; 8) only give a permit to vessels with scallop landings - vessels that are obviously direct in other fisheries such as clam or quahog should not get a permit; 9) based on the number of trips or pounds from 1994-1999 because that range of dates is before higher abundance and the number of participants was less; 10) allocate days based on highest year from 1994-2004 and if no landings from 1999-2004 then you get an incidental permit; 11) average landings from 1999-2004 because during this time frame the scallop and other fisheries have fluctuated; 12) days allocated based on total pounds from highest year from 2000-2005; 13) identify tiers of permits that would be based on percent of income from scallops landed after the control date; 14) control date plus 3-5 years of prior or consecutive landings; 15) 20-25 trips a year and/or 8-10,000 pounds and those permits should only be permitted to fish in inshore areas only; 16) days or pounds allocated in tiers based on history and/or other criteria – 30 days, 30-60 days, 60-90 days etc.

Several stated that if the control date is used, then landing history should not be used post the control date. Several commenters said that if and when the Council considers history, it needs to address the inability to transfer general category permit history because it is an open access fishery. One person said that the qualification issue is going to be very difficult for vessels that diversify specifically small boats from the Cape. He described that fleet as “ever-changing to remain the same,” and it would not be right to keep them out of this fishery because they did not have a high level of landings. Several suggested that an appeals process needs to be identified upfront. For vessels that do not qualify, it was suggested that a small number of days could be set aside for those vessels. Another commenter said that the Council needs to identify what the

level for “incidental catch” is compared to the “directed” day-boat fishery and those vessels should be treated separately. There is no need to limit truly incidental scallop catch in this action. One commenter suggested that the VMS date is enough to be used as a mechanism to reduce the number of permits (2,800 to 800); “if that is not a reduction I do not know what is.” Many commenters suggested that a re-rigging clause needs to be included, however several warned that too many vessels have been given permits in other limited entry programs because of re-rigging, equipment and retrofitting clauses (i.e. monkfish plan).

- **Allocation**

A range of allocations were suggested for the general category fleet: 3%, 1-5%, 5-7.5%, 5.8%, 15%, 20%, 25%, and 35%. Several commenters suggested that the percentage should be based on the historical average from 1994-2004 (about 3%). One added that since Amendment 4 stated that if general category landings increased the Council should reduce landings, which he argues implies that total allocation should not be higher than the historical average. Furthermore, it was stated that Amendment 11 should not fundamentally revisit the decisions made under Amendment 4 (related to implied allocation for the general category fleet). One commenter added that since the Council managed the limited access fleet out of other fisheries, they have become very dependent on scallops and that needs to be considered during allocation discussions. On the other hand, another commenter said that resource recovery and market price have created a scenario of success few could have imagined when Amendment 4 was implemented, and since conditions are different now we should not have to stick with Amendment 4. Therefore, he argued a higher percentage is needed to sustain an economically viable day boat fleet. Another suggested that the percent of landings would be higher for the general category fleet if the scallop resource was not fished out in inshore areas, so the percentage should be higher for when it returns. Furthermore, it was stated that while there may be reason to limit continued expansion of the general category fleet, it has not been proven that increased general category landings have contributed to overfishing, so there is no justification to reduce the present catch. Another suggested that this fishery should help cuts in other fisheries and be used as a way to spread the wealth along the coast, thus a higher allocation is justified.

There were many commenters that had additional suggestions about how the allocation could be further broken down within the general category fleet. Some suggested that allocations should be in pounds and others suggested days. One suggested half of the general category allocation should be divided between the north and the south. A handful suggested that allocation on an individual basis may be the best way to allocate this resource. Some suggested equal allocations that could be transferable in 1,000 pounds increments. Another suggested 150-200 days for “full-time” general category users with history and 50-75 days for “part-time” vessels without history. Another suggestion was to just allocate 80,000 pounds per boat. One idea was presented that individual allocations should be based on the percent of revenue generated from scallops. Another suggested that general category allocations should be limited to a season from April 1 – October 31. Several recommended that leasing and consolidation should be allowed.

- **Dual permits for limited access fleet**

The comments were pretty divided on this issue, some in favor of allowing limited access vessels to target scallops under general category rules, and others opposed to it. Several suggested that if a limited access vessel with history of fishing under general category rules can qualify for a

general category permit based on the same criteria, then those limited access vessels should also be eligible for a general category permit. It was also suggested that a percent of the total TAC could be allocated to the limited access fleet to fish for under general category rules; the historical average (less than 1% of the total) was recommended for consideration.

Arguments in favor included that fishing under general category rules is important for limited access vessels because it provides an opportunity to train captains and help pay for fuel. Another commenter pointed out that not all limited access vessels are the same, specifically fishing under general category rules is an important component of part-time and occasional permit owners especially because they are not given many scallop DAS. One limited access vessel owner pointed out that if this right was taken away it would diminish the value of a limited access permit. The right to land 400 pounds while not on a DAS is currently folded into the limited access permit; they are not separate, so it is not appropriate to take that right away. Several commenters voiced that limited access vessels should not be allowed to land under general category rules because they already have been given a significant portion of the resource. Furthermore, in a fishery where overfishing is occurring it does not make sense to allow the biggest, most effective harvesting platforms to fish outside regulations. It was suggested that if limited access vessels are fishing for other species, maybe a 200 pounds incidental catch limit would be more appropriate. On the other hand another individual recommended that “bycatch” is alive and should be thrown back- no incidental catch allowance. Lastly, one commenter pointed out that this is not an issue that will solve overfishing, the number of vessels that participate in this component of the fishery is very small and this is only an issue because there is a perception of fairness of access.

- **Hard-TACs**

Overall, there was consensus that a TAC program should not be developed that has the potential to lead to a derby fishery. Commenters across the board said that derbies are dangerous and uneconomical. Many commented that a hard TAC for the general category fleet would only make sense if the limited access fleet was under a hard TAC as well; one suggested a hard TAC of 80% for limited access, 19 % for general category and 1% for bycatch. One commenter said that the limited entry general category fleet should be monitored for one year and then implement a hard TAC if it is still necessary. If a hard TAC is still not enough then consider a max dredge width of 10 feet. Some suggested that an individual TAC would have the highest probability of preventing a derby fishery and would be the easiest to enforce. But several recommend that ITQs would be a mistake. One recommended that individual TACs could be implemented on a trial basis for one year. Another suggested that the document should consider stacking, but another recommended no stacking – should be the same for both fleets of the industry.

Lastly, some noted that allocating a share to each general category vessel will require new enforcement and monitoring capabilities.

Many had comments related to area TACs. It was suggested that area TACs would be effective because each area could develop rules that work for them. One person suggested a division for an area TAC could be the 73° 00 line. A few commenters suggested implementing a line that would identify an inshore area, and general category vessels could fish in that area and limited access vessels would have to fish to the east of that area (i.e. 50 miles offshore). One

recommended that the Council should not allocate by area based on recent data because that would be unfair to reward areas and participants that are primarily new entrants. Lastly, one commenter suggested that TACs are not necessary because as scallop and multispecies fisheries improve the DAS boats will return to those fisheries and less pressure will be on the general category fishery.

- **Sectors and harvesting cooperatives**

Many commenters were not sure what sectors really were so did not comment. A handful expressed concern that allocations should not be stacked on one large general category vessels so that it becomes like an offshore boat. Several felt that this should be considered in a future amendment after the participants in the general category are identified. Others believe that sectors are important to consider now. “Individual allocation may be the most simple, but community quotas are the next best thing.” Sectors are useful because they police themselves. On the other hand one responded that the general category fleet is very diverse and the Council would be hard pressed to find even two fishermen who agree, “So forcing us into formal groups would be a disaster.”

- **Incidental scallop catch**

Majority of commenters said that a relatively small level of scallop incidental catch should be permitted. Some felt that it should remain at 40 pounds so it is a truly incidental catch. Others suggested that 100 pounds should be considered to minimize impacts for vessels that do not qualify for a limited entry general category permit. In addition, it was recommended that the Council could consider developing a bycatch cap for each fishery. Another suggested that a range of incidental catch limits from 40-400 pounds should be analyzed for vessels that do not have more than 10% of revenues from scallops. Several commenters said that the incidental permit should remain open access. On the other hand, there were a handful of commenters that felt there should be no incidental catch limit; the scallops are alive so they should be thrown back.

- **Change the scallop fishing year**

All individuals that commented on this issue opposed considering a change for the scallop fishing year in this action except one. One individual suggested that August 1 could work, otherwise all others that concentrated on this issue suggested that the Council wait to consider this in a future amendment. This decision should not be done “casually or repeatedly.” Most explained that it would cause disruptions to the established practices and scallop markets, and since the scallop survey is currently being changed, the Council should wait until the new scallop survey is designed and then see if it is still necessary to change the scallop fishing year.

- **Other issues related to Amendment 11**

- We need to recognize that as a result of management as the rich get richer, the little guy is not protected.
- Request that the science center survey the Gulf of Maine. Assessing the biomass in the GOM should be a research set-aside priority because it is a wildcard.
- New entrants into the general category fishery should have to use dredges.
- Council may want to identify discrete, historic day boat fisheries in state waters outside of assessment area (north of 42° 00).

- To address overfishing not fair to only look at general category fleet – not clear where and why overfishing is occurring.
- In order to reduce effort could consider increasing ring size to 4.5-inches.
- When management addresses scallop overfishing it should be by resource area (Delmarva, NY Bight, South Channel and southeast part of GB, NE peak and northern part of GB, and the GOM).
- Before major changes are made it would be better to monitor general category fleet under VMS for several years.
- Consider allowance of new entrants into the general category fishery like the lobster apprentice program.
- Council should consider allowing vessels that land roe on scallops to have a higher possession limit.
- Council should revisit scallop overfishing definition.
- New measures should attempt to preserve the newly developed fishery at 2004 levels.
- Allocate a maximum of 200 trips and max dredge width of 16 feet to reduce effort.
- Not fair to have people invest in Skymate to keep an existing permit and then take it away.
- Many disenfranchised groundfish vessels need this permit as a matter of survival.
- Several suggestions were made to minimize impacts on habitat, to name a few, limit the time gear can be used by seasons and regulating horsepower inshore.
- Several suggestions were made for ways to use the scallop resource as a way to restore fleetwide historic balance and help communities.
- Allow “buyboats” to purchase scallops at sea for general category vessels. It would save fuel, reduce dock space needed, and an enforcement agent could be put on every vessel. Buyboats could be put in areas that are farther from shore than general category vessels would normally go but not in areas where limited access vessels work, that way resource could be harvested in areas that are underutilized (i.e. Virginia Beach).
- Do not reduce possession limit.
- No nets should be allowed, and another suggested prohibiting shell stocking.
- In 1994 some vessels took the general category permit because VMS was \$8,000 and they did not want to pay for it. The price has come down so those vessels that originally qualified should be considered for a limited access permit again.
- Max dredge of 8 feet, another suggested 15 ft.
- In the Mid-Atlantic should require a 6.5-inch square codend and 6-inch twine top.
- Dealers should not be allowed to buy more than 400 pounds of scallops from a vessel at one time.
- One effective way to reduce effort is to take permits away from people who cheat.
- Several suggested that the Council should combine Amendment 11 and Amendment 12 and address overfishing in one major amendment.
- Requests a printout of VMS tow tracks to identify where the limited access fleet fished, then a line can be drawn along the coast and limited access fisheries can fish to the east of the line and general category vessels will have to stay to the west.
- Document should try to show where overfishing is occurring and by who.
- All states should have a minimum number of participants to assure all states represented based on port of landings.
- Implement a vessel size limit for general category vessels to reduce effort.

- In ten years all limited access vessels will be ashore with hired skippers – is this what we had in mind? Permits should expire when an owner dies.
- The general category fleet has not been integrated in rotational area management or research and they need to be.
- Consider a harvest period for general category and keep in mind that more bushels are needed in the winter to get 400 pounds.
- **Other issues not related to Amendment 11**
 - The general category fleet needs to be able to get back into the Great South Channel.
 - Require drug testing for scallop captains and crew.
 - Why weren't the shrimpers that were landings over 1,000 pounds of scallops a day off New Jersey not busted?
 - Too many scallops die from wasteful deckloading, up to 10% of total scallop landings.
 - Support for increase in enforcement to reduce illegal fishing.
 - Recommend that a research set-aside program be developed for the general category fishery.
 - Not likely that the 2% set-aside for general category vessels in CA II is going to be harvested, can that be traded for a different area?
 - When an application is sent to a permit holder NMFS should include some background information. For example, when I applied for my general category permit this year it would have been nice to know that the Council was developing Amendment 11.

7.1.2.2 Scoping Meetings

Three scoping meetings were held in February 2006. A summary of each meeting is described below. Actual audio transcripts of these meetings are available by contacting the NEFMC Office at 50 Water Street, Newburyport, MA 01950 (phone: 978-465-0492).

Cape May, NJ – February 21, 2006

About 120 individuals signed in for the scoping meeting in Cape May Court House, NJ, and probably closer to 150 people were there. Michelle Peabody, a Mid-Atlantic Council member and Scallop Committee member welcomed the large crowd and Council staff (Deirdre Boelke) reviewed recent trends in the general category fishery and summarized the scoping document the Council approved for Amendment 11. About 25 individuals gave oral comments during the meeting and two written comments were submitted. The meeting began at approximately 7:15 PM and adjourned around 9:30 PM. The majority of comments were very focused to the seven issues summarized in the scoping document. This meeting summary will first describe a few overall statements about the meeting and then summarize the comments by issue. See the scoping document for a detailed description of each of the scoping issues.

Overall, very thoughtful comments were made from all components of the scallop industry that were present at the scoping hearing. Limited access owners and captains were present, as well as general category permit owners from Georgia to Massachusetts. Some of the individuals present have been involved in the general category scallop fishery for many years, while others are more recent entrants that have been fishing for scallops under general category rules since implementation of the control date (November 1, 2004). There was general consensus that the

Council needs to control effort in the general category fishery and limited entry is probably the way to go. Most speakers supported the use of the control date within reason, meaning some exceptions may need to be considered. Some individuals supported the need for additional qualification criteria such as minimum landings during a specified time period. In terms of allocation between the limited access and general category fleet, most commenters supported the use of an historical average of landings.

- **Limited Entry**

Many individuals voiced support of the control date with additional qualifications identified that would identify a group of vessels that could remain in the general category fishery and actually stay in business. There was concern that too many permits would be allocated, and the general category vessels that have always made a living fishing for scallops would not receive enough allocation to make a living. However, there were a handful of individuals who strongly opposed the use of the control date. “NMFS gave me a permit, I invested a lot of money to go scallop fishing and now they are going to take it away?” “Why should 300 people get all the scallops, it’s not right.” A few individuals suggested that the Council should consider allowing vessels an opportunity to fish for scallops when conditions are good like they are now. It was said that the intent of this permit was to provide opportunity for vessels, and this permit helps new fishermen get into the business, “fishing is a family tradition and a general category scallop permit helps to maintain a way for guys to save money and start fishing.”

Several individuals in the audience explained that they had a boat and applied for a general category permit before the control date, but due to paperwork delays, they did not receive their permit until after the control date; it was suggested that a clause should be considered for those types of vessels and a very specific appeals process should be defined during the development of this action. Furthermore, it was suggested that a re-rigging clause should be included, similar to what was used in the monkfish plan. In addition, one individual suggested that rather than the control date, a more suitable date to use is the date vessels were required to use VMS in the general category fishery; in his opinion that would qualify a smaller, more appropriate number of vessels that intend to fish for scallops (around 800). Lastly, one commenter suggested that it may be appropriate to use a ten year time period for qualification criteria (1994-2004); a long time period is the fairest way to do it.

- **Allocation**

Several commenters suggested that Amendment 4 already allocated the resource between the limited access and general category fleet. It never specified a number, but one speaker commented that there is language in Amendment 4 that says all directed effort should be for the limited access fleet and general category landings are small enough that they are insignificant to fishing mortality. Furthermore, the amendment states that if the general category fishery grows, the possession limit should be reduced, rather than “allocating” more resource to the general category fleet. Therefore, he stated that it was not appropriate to allocate more than the historical average to the general category fleet (average from 1994-2004 is 3.5% based on data in scoping document). One general category fisherman honestly commented that he would like the Council to allocate a high percent to the general category fishery, but it is probably fair to consider the historical average. Another commenter suggested that if the control date is used, it makes sense to base the allocation on a historical average before the control date, since that date landings

have gotten out of control and effort is not consistent with past activity. One commenter suggested that the Council specify the allocation in pounds rather than as a percentage of total landings, because the condition of the resource has changed over time and 5% today is very different in actual pounds landed compared to 5% in 1994. The Council must consider the pounds needed to sustain the general category fleet, not the percentage of the total because that fluctuates.

Several commenters warned that they believe this resource is on the decline and there is not going to be fishing like this again for sometime. “This fishery is not sustainable at 60 million pounds so we should not base allocations on that number, I do not expect to see this level of landings for long.” Another commenter voiced that this action is pushing small boats against big boats, and that was unfortunate, he added, “It is supposed to be us against the government.” On that note, several commenters did voice that it was critical for the general category boats to work together to devise a limited entry program that worked for their fishery, and they needed to keep in mind that the big boats do not have the ability to diversify; “they are the directed scallop fishery and they do not have other options.”

- **Limited access under general category**

Many commenters were against preventing the limited access fleet from landing under general category rules when not fishing on a DAS. It was further suggested that limited access vessels with a history of landings under general category rules should definitely not be prevented from continuing that activity. Furthermore, it was pointed out that not all limited access permits are part of a huge, fully integrated corporation. There are a number of full-time limited access boats that are owner-operated, and there are part-time and occasional limited access vessels that are not given many scallop DAS that should be able to fish under general category rules. One commenter suggested that it would be appropriate to allocate the percent of total landings caught by the limited access fleet while fishing under general category rules to the limited access fleet. For example, an average of 0.5% of the total was landed by these vessels from 1994 to 2004; therefore, that allocation could be reserved for limited access vessels fishing under general category rules. Several people suggested that gear requirements for the limited access and general category fleets should be consistent, especially if limited access vessels are permitted to fish under general category rules.

- **Hard-TACs**

Overall there was support for the idea of a hard TAC to control effort in the general category fishery, but it was pointed out by many individuals that it would have to be designed very carefully to prevent negative, unintended consequences. There was general consensus that a hard TAC alone was not the answer, and we need to be careful to design a plan that does not promote a derby fishery. Furthermore, some speakers were in favor of TACs by area, TACs by community, individual TACs and seasonal TACs; the pros and cons of each approach were briefly discussed. For example, one speaker suggested that a community TAC could work better than an area TAC because an area TAC would just make vessels move to different areas once a TAC was reached. He pointed out that not all vessels can move to different areas, so that would be unfair, and potentially unsafe. It was suggested that a hard TAC used over time might work. Another individual suggested that an individual TAC would prevent derby fishing and unsafe situations. “If a hard TAC is used, we need to pick the right number of vessels because if the

pie is cut between us too small this will be a big waste of time because none of us will be able to stay in business.” It was suggested that the Council needs to identify the number of general category boats that can make a living or create a few different permit categories potentially with different possession limits, so that this action protects the vessels that directly fish for scallops under general category. One individual suggested that there could be different rules for different areas; for example, trawls could be prevented in areas east of 73° 30.

- **Sectors and harvesting cooperatives**

Not many commenters focused on this issue. One person suggested that if an individual owns several general category boats, stacking should not be allowed, similar to the current restrictions on the limited access fleet. It would not be fair to allow general category boats to stack permits or quota on one vessel if the limited access fleet is not allowed to do the same.

- **Incidental scallop catch**

Most individuals that commented on this issue agreed that scallop bycatch should not be zero. If a limited entry program is established, or if a hard TAC is reached during the fishing year, vessels should be allowed to land an incidental level of scallops. “We do not want to support any measures that increase scallop bycatch.” One commenter suggested that the current incidental catch limit of 40 pounds is still appropriate and should not be changed up or down.

- **Change of scallop fishing year**

None of the individuals that commented on this issue supported changing the fishing year. “Industry has said time and time again that this should not be considered, how does this issue keep coming up?” Most suggested that the Council remove this issue from consideration in this amendment. They stated that the scallop survey program is currently being reconsidered, so it would make more sense to see what comes of that process and then adjust the scallop fishing year if necessary. Several went on to explain that the range last considered in Amendment 10 was inappropriate anyway. One individual said that the range of July through September is too late because restaurants need the product sooner, and another suggested that January 1 is the only other date that might make sense.

- **Other**

There were a variety of comments about other measures that could be considered in this action to control effort in the general category fishery. For example, it was suggested that some requirements for the limited access fishery could be applied to the general category fishery and that would help reduce fishing mortality like restrictions on trawl nets and a prohibition on shell stocking. However, several general category fishermen replied to these ideas negatively, and explained that they would not work for their businesses. For example, one individual lands scallops under his general category permit when fishing on a multispecies DAS and he uses a net, and another individual supplies a small market that demands live scallops so he needs to land his product in the shell.

Overall there was confusion about why an increase in general category landings is a bad thing. It was voiced that the small day-boat fishery is not the main culprit in scallop mortality and if the Council is serious about addressing overfishing in the scallop fishery they should focus on the

real problem, the limited access fishery that lands the vast majority of scallops. It was said that the new effort in the general category fishery has helped some boats operating on the margin to stay in business. Because of major restrictions implemented in other fisheries, this opportunity has allowed more fishermen to keep fishing, and it was stated that the Council should be supportive of maintaining opportunities for fishermen to remain in business. One individual suggested that this “problem” will fix itself; once the price of scallop drops; “you will see a lot of this effort disappear when the price drops as we expect it to do relatively soon.” As mentioned earlier, there were several comments about the future health of this resource, and it was stated that the Council never should have let 60 million pounds get caught, that is too high for this resource. On a different note, one commenter voiced that this is a serious issue and the timeline for this action is still too long even though it is relatively short compared to other amendments recently developed by the Council.

Portsmouth, NH – February 22, 2006

About 18 individuals signed in for the scoping meeting in Portsmouth, NH, and 15 individuals gave oral comments and two written comments were submitted. Thomas Hill, the Chair of the Scallop Committee welcomed the audience and gave an overview of the process and purpose of the meeting. Deirdre Boelke reviewed recent trends in the general category fishery and summarized the scoping document the Council approved for Amendment 11. One additional Council member, David Goethel from New Hampshire, was present to listen to public comments. The meeting was held from 7-9 PM. Due to the small size of this scoping hearing, there was time to answer more questions and an opportunity for more informal feedback from the public. This meeting summary will first describe a few overall statements about the meeting and then summarize the comments by issue. See the scoping document for a detailed description of each of the scoping issues.

Overall, the public stressed that it is important for the Council to clearly identify what the primary goal of this action is; is Amendment 11 trying to protect small directed dayboat vessels, or is the main intent to provide diversity for small boats to participate in a variety of fisheries. It was suggested that before the Council identifies how many vessels should get this permit, the goal should be defined. Furthermore, it was suggested that the Council needs to define what the target mortality for the general category fleet is and what percentage of the long term optimum yield should be harvested by the general category fishery. It was agreed by all commenters that limited entry is needed, and one individual commented that “we are a victim of our own success.” The general category fishery has evolved into an overcapitalized fishery; there has been an explosion of effort and the general category fleet was never supposed to be this large.

- **Limited Entry**

Many people supported the control date with additional qualifications intended to protect the directed general category fleet. One individual stated that new entrants after the control date were warned that their permit was given under speculation, and “the Council should not extend the control date for cry babies.” It was also suggested that rather than the control date, the Council should use the date VMS was required, that is when the serious boats decided to bite the bullet and invest. Another individual voiced that Amendment 4 wanted to protect the inshore directed dayboat scallop fleet, so this action should focus on the same thing. Another person suggested that similar criteria could be considered as was in the Amendment 4 limited entry

program in terms of landing categories and number of years fishing. One commenter said that the general category fleet is the best group to identify what qualifications should be, “They should identify how many boats they want in their fishery.” Another suggestion was that the Council could consider only giving general category permits to vessels that are owner operated, similar to the lobster apprentice program. On a different note, one individual suggested that this action should preserve options for small boats to stay in business, and since there are few opportunities left for fishermen, this permit could, and was intended to help vessels diversify.

- **Allocation**

A number of individuals suggested that an allocation should be based on the intent of Amendment 4, a small amount of effort that will not impact the overall mortality of the scallop resource. Several voiced that the allocation should be based on a historical average before the control date was implemented. One speaker suggested that the percent of total landings attributed to the general category fleet may only seem higher than other years because the limited access landings were lower because of poor fishing conditions in the Hudson Canyon area. The Scallop PDT can review this, but the Committee Chair replied that he did not completely agree with that statement.

- **Limited access under general category**

Several individuals were against preventing the limited access fleet from landing under general category rules when not fishing on a DAS. On the other hand, one member of the public suggested that this situation should be treated the same way as the Council handled it in groundfish, each vessel gets one type of permit; you can't have both.

- **Hard TACs**

Overall there was support for the idea of a hard TAC to control effort in the general category fishery, but one TAC for the entire fleet was dangerous. Several individuals discussed the possibility of an individual TAC or quota, and while there was some support for this concept, they pointed out that if the individual poundage comes out to be something like 5-7,000 pounds, that would put every directed dayboat scalloper out of business. One speaker opposed the Council considering individual quotas, and supported the use of additional input controls instead.

- **Sectors and harvesting cooperatives**

The several speakers who spoke about this issue raised concern that the formation of sectors for this fleet may be premature at this point. Another individual suggested that the Council has to be cautious when approving sectors because they could change the nature of the dayboat fleet. For example, if many small boats get together and pool their allocations, one dayboat may end up fishing more like an offshore boat, and that would change the historic characteristics of the dayboat fleet.

- **Incidental scallop catch**

Most individuals that commented on this issue agreed that scallop bycatch should not be zero. One individual suggested that it may be possible to increase the incidental catch, especially if a relatively small number of vessels receive a limited entry general category permit. Furthermore, he suggested that the Scallop PDT should run several projections to see what the impacts on

mortality would be if the incidental catch remained at 40 pounds, or if it was increased up to 200 pounds.

- **Change of scallop fishing year**

None of the individuals who commented on this issue supported changing the fishing year. One person suggested that the Council should wait until the new scallop survey program is defined, and then consider whether the fishing year still needs to be changed. Another commented that August would be far too late for small boats in the north to start their fishing year; bad weather could prevent them from fishing earlier in the season than under the status quo fishing year of March 1.

- **Other**

There was a substantial amount of discussion about the term ‘overfishing’, and what this action (amendment 11) proposes to do in terms of addressing overfishing in the scallop fishery. It was stated that the overfishing definition is too complex and confusing, and it is hard to fathom that overfishing is currently occurring when both the fishery and resource seem to be healthier than ever. This action will set itself up for failure if it tries to address overfishing. If the goal of this amendment is to address capacity in the general category fishery, that should be the stated goal. Limiting effort only in the general category fishery is not going to fix the current overfishing problem, so the Council should not identify that as a primary goal of the amendment. One individual pointed out that it was always awkward in the past that even when the resource was in trouble and the limited access fleet was being cut back, additional open access permits were being given out; that never should have happened.

There were a variety of comments about other measures that could be considered in this action to control effort in the general category fishery. For example, it was suggested that nets should be prohibited. Also, if effort needs to be reduced by the general category fleet, maybe just the possession limit should be lowered. Another speaker suggested that if individual TACs or allocations are considered in this action, permit owners should not be allowed to stack allocations, and the possession limit should not increase. Another speaker suggested that gear regulations should be the same for both the limited access and general category fleets.

Lastly, several people commented that there is a major problem with vessel history and the open access nature of general category permits. If the Council is going to consider limited access it needs to address the problem that in the past when a vessel was sold or upgraded, the history associated with that vessel’s general category permit was lost because a new permit number was issued. Measures should be considered for individuals who lost history due to the open access nature of the general category permit.

Hyannis, MA – February 23, 2006

About 50 individuals signed in for the scoping meeting in Hyannis, MA, but more people were probably in attendance. Close to 30 gave oral comments and one written comment was submitted. Thomas Hill, the Chair of the Scallop Committee welcomed the audience and gave an overview of the process and purpose of the meeting. Deirdre Boelke reviewed recent trends in the general category fishery and summarized the scoping document the Council approved for Amendment 11. John Pappalardo and Sally McGee, both members of the Scallop Oversight

Committee were present at the hearing to listen to public comments. The meeting was held from about 7-9:30 PM. Unfortunately the meeting space was smaller than expected, but the audience was patient and there was opportunity for everyone to speak that wanted to. This meeting summary will first describe a few overall statements about the meeting and then summarize the comments by issue. See the scoping document for a detailed description of each of the scoping issues.

There were a significant number of limited access permit owners, captains and representatives at this public hearing. They had many comments about the specific scoping issues as well as overall advice to the general category fleet in terms of establishing a limited entry program. One limited access permit owner suggested that this action should not try to do too much, and the general category fleet can learn from the limited entry programs established under Amendment 4 for scallop as well as Amendment 5 for groundfish. Specifically, “Too many groundfish permits were given out based on a qualification that was set too low; do not make the same mistake.” Another commented that the limited access scallop fleet worked with the Council to develop a limited entry program that worked for them, and he suggested that the general category fleet do the same. Lastly, a limited access representative explained that he has seen this resource come and go and he thinks even though the last few years have been great fishing; he thinks scallops are on their way out again.

There were also many individuals with general category interests present at the meeting. Some explained that they did not want to get regulated out of the fishery. Another commenter expressed concern about how quickly the Council was planning on developing this important action. Can anything be done to slow the process down? He suggested that the Council and industry need time to do this right and the Council should not rush into anything. A different commenter later said that if this decision is dragged out the decision will just become harder and more people will invest and potentially suffer negative consequences. Others explained that it was obvious to them that all the small boats in the region were not going to be able to make it. “Why die a slow death,” one said, “if we don’t do something now the problem could get worse.” Why would we want to let more people in this fishery, it is clear that there are too many already, so why have more people invest to only later be put out of business? One speaker gave an emotional statement that he loves fishing, “I want to save it; we need rules to preserve it. I do not understand why other general category boats would want to see more boats in this fishery, so many guys are just coming into this fishery to make money; they do not care about scallops. But I get it, limits work, organizations work; I am not a member of one but I see that they make fisheries better and boats safer.”

- **Limited Entry**

There was general consensus that this action should address the “explosion” of effort in the general category fishery and this fishery can’t be open access anymore. One commenter said that Amendment 4 clearly states that if the effort in general category fishery gets too large, it is going to be cut. There was a lot of support for developing a limited entry program for the historic, directed day-boat scallop fishery. One individual stated that this local, traditional fishery has been in New England for a long time and it needs to be preserved. Day-boat fishing is a quality of life issue, “I do not want to fish way offshore and be away from my family for two weeks at a time.” One person commented that this action could implement limited entry for

historical participants only, and then leave the rest of the general category fishery as an incidental fishery with a lower possession limit. There was concern that overcapacity should not be built into the program from the beginning; if a limited entry program is implemented a relatively small number of directed boats need to be identified. One individual suggested that 200 pounds per trip would work for his vessel, and if that would allow more vessels to get permits that may be an option. Another suggestion that several people supported was that a limited entry program should be limited to owner operators; “This amendment should support owner operators.” Another commenter said that since the explosion of effort has been in the south, New England boats should not pay the price. He further suggested that each area could be managed differently; if the current system is not broken in the north than we should leave it how it is.

In terms of the control date, many commenters were in favor of using it, but others were not in favor of using any cut off dates. For example, one individual has had a permit, but he has not used it; but he would like the ability to use it in the future when the conditions are right for him to do so.

- **Allocation**

It was clear from this hearing that the Council should make the allocation decision first before determining how many vessels should qualify in a limited entry general category fishery. Depending on the allocation the fleet is given, that will identify how many people can make a living. How many people can make a living will depend on the amount of the allocation the fleet is given. One commenter suggested that when the Council is considering allocation between the two fleets it is important to recall that the limited access fleet gave up other permits when they became limited access vessels; therefore, their options are limited and they have more to lose. “The Council has a special obligation to these vessels because management but them in a box.” Another individual stated that this action should be consistent with the de facto allocation made in Amendment 4 (relatively small amount of the total) because the limited access fleet has made significant investments based on that decision, “Don’t throw away all the work that was done in Amendment 4.” Another individual commented that allocation should not be based on history because if this biomass is managed carefully it can produce more harvest than it has in the past. It was suggested that while Amendment 4 specified that the general category would be cut if effort got too high; it also stated that if conditions improved and the resource became healthy; general category effort could increase. It was recommended that the Council allocate the highest percentage possible to the general category fleet that does not impact the economic stability of the limited access fleet. There was one suggestion that the Council could consider allocating the resource by fleet, but it would be hard to identify a way to treat all the fleets of the general category fishery fairly.

- **Limited access effort under general category**

Many commenters stated that the general category permit was made for boats that did not qualify for a limited access permit, so it does not make sense that limited access vessels should still be able to land under general category rules once limited entry is implemented for the general category fishery as well. One person suggested that the level of landings by the limited access fleet under general category rules will decline when the price drops. More limited access vessels

may be fishing now because the price is so high, but it is not economically feasible for most of these vessels to go out for 400 pounds of scallops when the price is lower.

- **Hard TACs**

There were some comments related to different hard TAC options. One individual suggested that individual TACs would be more successful than a fleet wide allocation. It was noted that a fleetwide allocation could cause price and safety problems. Another individual suggested that the Council could consider giving a certain number of DAS to the general category vessels with a 400 pound possession limit rather than a TAC.

- **Sectors and harvesting cooperatives**

Not many people commented on this issue. One individual that did voiced support for the concept, and suggested that the Council consider sectors as a pilot program first. It may be premature to approve a sector program at this stage for the general category portion of the scallop fishery.

- **Incidental scallop catch**

Two opinions on this issue were voiced. One, if incidental scallop catch substantially impacts the available resource for the directed general category fishery, then bycatch should be zero. Two, incidental bycatch should be permitted. It was suggested that the incidental category could potentially remain open access for vessels that did not qualify for a limited entry general category permit. And if the number of limited entry permits is small and there is resource available, the incidental limit might even be raised. Increasing the possession limit to 100 pounds may accommodate vessels that are in between and do not qualify for a limited entry general category permit, but generally land more than 40 pounds per trip.

- **Change of scallop fishing year**

All speakers who commented on this issue recommended removing it from consideration in this amendment. Several stated that March 1 works for the fishery, markets have been developed around that date, and changing it will affect the price. A handful of commenters expressed that they did not understand the benefits of changing the fishing year, and how those benefits would outweigh the cost and inconvenience to the industry. One commenter added that NMFS takes too long with the data anyway, so changing the fishing year will not solve that problem; the data should be processed faster. Several commenters from the general category fleet said that this issue seemed out of place in this amendment and suggested considering it in a future action.

- **Other**

There were many comments made about other issues concerning the public as well as specific suggestions for the Council to consider when developing this action. In terms of general scallop issues, several people voiced that the scallop resource is on the decline. The industry is not confident that the Elephant Trunk will produce as much yield as projected. In addition a portion of the general category fishery takes place in areas in the Mid-Atlantic that inshore of the areas surveyed by NMFS; therefore, abundance is unknown in these areas. As for how this action affects what the Council considers in a future action for the limited access fishery, one commenter voiced concern that this action should not dictate what is considered in the next scallop action. For example, if the general category fleet decides to implement ITQs, it should

not be assumed that is a good idea for the limited access fleet. On a different note related to scallop fishing, one commenter explained that the percent of general category landings for 2006 are going to be low because NMFS closed the Great South Channel to day-boats. In terms of fishing in this region in general, one commenter said that the Council forgets that fisheries management is like a balloon. When one area is closed offshore, vessels move inshore, bottom conditions decline and resources are affected in all areas. The Council needs to recognize their responsibility to help fishermen; because of strict regulations in one fishery it is natural for fishermen to expand into other fisheries, especially when the price is good. Displaced boats need to be remembered in this process. One commenter added that 4-inch rings have really helped the health of the resource. Another commenter suggested that the PDT needs to look into whether nets really catch more scallops. If it is found that they do, maybe this action should consider eliminating the use of nets for the general category fleet.

As mentioned earlier there was some discussion of only restricting the “new” general category effort in the south because that is where the major problem is. One person suggested that if landings are too high in one area than that is where restrictions should be. But another speaker warned the group that if restrictions are only put in the south, than that effort is going to eventually move up here (north).

In terms of suggestions for the development of this action, one individual suggested that the Council needs to remember impacts on land based businesses. General category effort is important to many land- based businesses, particularly in remote areas. Also, the Council should remember that overfishing is an issue of scale; the day-boat fishery is not affecting mortality on the same degree as limited access effort. There is still a large incentive to cheat in the general category fishery and this action should address that. As discussed at other hearings, the issue of losing general category history when a boat is sold or upgraded needs to be addressed in this action. The Council should consider a way to incorporate that history if a limited entry program is developed.

One person came to this meeting because he heard the Council was considering allocating 25% of the total scallop resource to the general category fishery. The general category fleet is allowed to fish 365 days a year if they want to and in his opinion, 25% would have a large impact on the limited access fleet. There was some confusion that the estimates for landings by the general category fishery for 2006 and 2007 were actually allocation decisions made by the Council. That is not the case, they are estimates based on projected effort by the general category fishery and resource conditions.

7.1.3 Determination of Significance

National Oceanic and Atmospheric Administration Administrative Order 216-6 (NAO 216-6) (May 20, 1999) contains criteria for determining the significance of the impacts of a Proposed Action. In addition, the Council on Environmental Quality regulations at 40 CFR. 1508.27 state that the significance of an action should be analyzed both in terms of “context” and “intensity.” Each criterion listed below is relevant in making a determination of significance relative to the Proposed Action and has been considered individually, as well as in combination with the others.

The significance of this action is analyzed based on the NAO 216-6 criteria and CEQ's context and intensity criteria. These include:

1. Can the Proposed Action reasonably be expected to jeopardize the sustainability of any target species that may be affected by the action?
2. Can the Proposed Action reasonably be expected to jeopardize the sustainability of any non-target species?
3. Can the Proposed Action reasonably be expected to cause substantial damage to the ocean and coastal habitats and/or essential fish habitat as defined under the Magnuson-Stevens Act and identified in FMPs?
4. Can the Proposed Action be reasonably expected to have a substantial adverse impact on public health or safety?
5. Can the Proposed Action reasonably be expected to adversely affect endangered or threatened species, marine mammals, or critical habitat of these species?
6. Can the Proposed Action be expected to have a substantial impact on biodiversity and/or ecosystem function within the affected area (e.g., benthic productivity, predator-prey relationships, etc.)?
7. Are significant social or economic impacts interrelated with natural or physical environmental effects?
8. Are the effects on the quality of the human environment likely to be highly controversial?
9. Can the Proposed Action reasonably be expected to result in substantial impacts to unique areas, such as historic or cultural resources, park land, prime farmlands, wetlands, wild and scenic rivers or ecologically critical areas?
10. Are the effects on the human environment likely to be highly uncertain or involve unique or unknown risks?
11. Is the Proposed Action related to other actions with individually insignificant, but cumulatively significant impacts?
12. Is the Proposed Action likely to adversely affect districts, sites, highways, structures, or objects listed in or eligible for listing in the National Register of Historic Places or may cause loss or destruction of significant scientific, cultural or historical resources?
13. Can the Proposed Action reasonably be expected to result in the introduction or spread of a non-indigenous species?
14. Is the Proposed Action likely to establish a precedent for future actions with significant effects or represents a decision in principle about a future consideration?
15. Can the Proposed Action reasonably be expected to threaten a violation of Federal, State, or local law or requirements imposed for the protection of the environment?
16. Can the Proposed Action reasonably be expected to result in cumulative adverse effects that could have a substantial effect on the target species or non-target species?

The Council has reviewed the above criteria relative to the action proposed in Amendment 11 to the Atlantic Sea Scallop FMP. Based on these criteria, the Council has determined that the Proposed Action represents a significant action and has prepared an EIS in accordance with the National Environmental Policy Act. The Final EIS for the action proposed in this amendment is included in this integrated document.

7.1.4 DSEIS Public comments and responses

Public comments on the Amendment 11 DSEIS were accepted during a formal comment period, April 18, 2007 through June 11, 2007. Comments were accepted at public hearings or received at the NMFS Regional Office in Gloucester by letter, email, or fax. The Scallop Committee met on June 6, 2007 to review public comments and the full Council met on June 20, 2007 to review all public comments and make final recommendations.

The responses below are based on all written and oral comments received. Thirty-seven written comments were received before the public comment period deadline, and no written comments were received late. In general, all oral comments made at public hearings were also raised in written comments received. The comments below are summarized by topic. Many commenters voiced support or opposition of specific alternatives. Those comments are noted but are not addressed in the following discussion.

7.1.4.1 Purpose and Need for Action

Very few comments discussed the purpose and need for this action.

- 1. If the general category fishery was deleted from the fishery would the mortality rate decrease? How can controlling 5-10% of the fishery reduce mortality?*

This action did not consider “deleting” the general category fishery. General category fishing does contribute to overall mortality, so if for some reason there was no fishing effort by the general category fishery, overall fishing mortality would decrease. However, the goal of Amendment 11 is not to reduce mortality from the general category fishery, rather it is to control it. Currently the general category fishery is an open access fishery, and while fishing mortality projections estimate the expected level of mortality from this component of the fishery and reduce that from the allocated effort in the limited access fishery, there is uncertainty in the estimate of mortality from the general category fishery, and there is increased risk the estimated level of mortality could be exceeded. These risks are increased under an open access fishery if conditions are right (i.e. high price for scallop meat and resource availability near shore) as they have been in recent years (2005).

7.1.4.2 Alternatives under consideration

Most comments focused on the alternatives under consideration and provided input on which measures should and should not be adopted.

No Action

Some commenters voiced support for the No Action alternative.

Limited Entry

Some commenters voiced support for limited entry. The comments on various topics within the limited entry program are discussed below.

Qualification criteria and allocation

Most comments focused on the qualification criteria alternatives under the limited entry program. Some were in favor of the preferred alternative and others were not. Several commenters, including NMFS, expressed concern about adopting limited access qualification

criteria that were overly liberal that would allow a relatively large number of vessels to qualify and impact participants that are dependent of the fishery.

2. *Several commenters explained that they have maintained their general category permit over the years but have not fished with it. They argue that the opportunity should not be taken away from them just because they did not fish during the qualification time period. For example, some explained that if the lobster fishery is not as profitable in the future vessels that have maintained their permit and invested in VMS should be permitted to scallop in order to diversify and make up for revenue lost in other fisheries.*

The Council agrees that an opportunity should exist for scalloping at a reduced level for vessels that do not qualify for a limited access general category permit. The Council approved a separate limited entry program for the Northern Gulf of Maine for vessels that had a permit before the control date but no landings history. These vessels will be permitted to possess up to 200 pounds per trip under a hard-TAC (See Section 3.1.4.4 for details). In addition, the Council also approved a separate limited entry incidental catch scallop permit. Vessels that had a permit in any one year during the qualification time period selected (March 1, 2000-November 1, 2004) would be permitted to land up to 40 pounds of scallops while fishing for other species. Both of these opportunities provide some access to the scallop fishery for vessels that had a permit before the control date but did not land scallops.

3. *Several commenters expressed concern that they were issued a permit after the control date and were not going to qualify, but they depend on this fishery. For example, one argued that consideration should be given to vessels that only fish for scallops. Those after the control date that have fished over 200 days since the control date should be given something. Another stated that according to the document, 699 permits have been issued after the control date and only 119 of them have landed scallops. Those 119 should be included in the limited access fishery. Another suggested that the Council should consider special circumstances for individuals that were in the process of purchasing a vessel when the control date was implemented. Another explained that he started work on a new boat in 2001 and it took about five years until it was ready to fish. Lastly, several suggested that vessels should not have been given permits after the control date.*

Section 5.4.6.1.4 of the document summarizes the impacts on vessels that have gotten a permit after the control date (Group 4 in the economic analyses section). While some vessels have become very dependent on this fishery the Council felt that restricting the limited entry program to vessels with history before the control date was justified. The Council decided to include the control date cut off in the proposed action for qualification to be consistent with the decision to implement a control date in the first place. In 2004 the Council recognized that there was a substantial increase in general category fishing effort and requested NMFS to implement a control date to put permit owners on notice that future management actions may follow. A control date promotes awareness of potential eligibility criteria for future access and is intended to discourage speculative entry into a fishery while a Council considers whether and how access to the fishery should be controlled. The Council supports use of the control date in this case in particular due to the explosion of effort in the year following the control date by many vessels that are no longer, or were not involved in the fishery before the control date. The Council did discuss several different alternatives that could have permitted some vessels that got a permit

after the control date, but in the end it decided that if alternatives were developed for all the different vessels that had special circumstances, the number of vessels that would likely qualify would exceed the desired number of general category qualifiers and the risk of potentially abusing a “re-rigging” clause would increase with that many participants. Lastly, in terms of giving permits after a control date, while the permit is open access NMFS would issue new permits until the Council developed an action to set a moratorium or limited entry program(as it did under Amendment 11).

4. *One commenter voiced that he has a general category permit but no history. He has it in case the lobster fishery should fail and he invested in VMS to maintain that opportunity to land 400 pounds of scallops. He argued that anyone that had VMS when it was required should be granted a general category permit.*

The Council did approve a separate limited entry program with reduced access in the NGOM for vessels that had a permit in 2004 before the control date, but there is no landings requirement. This provision will provide an opportunity for vessels like this commenter. However, related to using VMS as the qualification criteria the Council does not agree that would be an appropriate criterion. This alternative was considered in Amendment 11 and rejected (Section 3.5.1.1.1.2). The main rationale for rejecting it is because it would be unfair to exclude vessels based on the VMS date for 1B permits (December 1, 2006). In the notice regarding the VMS requirement for 1B permits there was never mention that investing in VMS could be used as a qualifier for a future limited entry program. It was suggested that there is a big difference between knowing you have to get VMS to participate in the fishery for the following year, and having to get VMS to participate in the fishery indefinitely. On the other hand, the notice for the November 1, 2004 control date clearly states that vessels getting a permit after that date may be treated differently and that date could be used for establishing eligibility criteria for determining levels of future access to the scallop fishery.

5. *Several commenters, including NMFS, suggested that there are negative consequences of allocation in trips and a broken trip provision, or a similar measure should be considered.*

The Council agrees with this comment and ultimately selected allocation in pounds to prevent some of the negative consequences of allocation in trips that were raised during the public comment period. As the Council discussed potential broken trip provisions, the benefits seemed outweighed by the costs of developing a complex broken trip provision for these relatively small trips (maximum of 400 pounds per trip).

6. *NMFS expressed concern in several alternatives that use a five-year rolling average to calculate allocations for quarterly hard-TACs.*

The language for these alternatives has been clarified so that they are not five-year rolling averages. Rather, the Council and PDT are given the flexibility to adjust the percent of TAC per quarter based on new landings information, future projections, and consideration of anomalous year's landings.

7. *One commenter suggested that under some of the alternatives there is a likelihood that some of the general category allocation will go unharvested, reducing optimum yield and*

creating latent effort. Another asked, "What happens to quota that is given to people that do not use it? Is it saved for the next year or lost?"

If a vessel is allocated general category scallop quota there is the potential that quota will not be harvested under Amendment 11. That vessel can sell or lease that quota to another vessel. Or if a substantial amount of quota is not harvested in one year the biennial framework can take that into account when future allocations are made to achieve optimum yield.

8. Unrecorded or illegal landings should not count toward qualification.

The Council agrees and within the permit provision section there is reference to this point. The Council recommends that NMFS dealer data be used for eligibility. All trips should be capped at 400 pounds per trip for qualification purposes. The appeal process would allow a vessel to provide information to demonstrate that NMFS relied on incomplete data to deny eligibility and/or limit contribution factor. During the appeals process, if there is controversy over qualification, the Council recommends that NMFS apply/incorporate VTR data with dealer data.

9. Qualifiers should not be penalized for not abusing the original purpose of the general category permit. One commented that those who did work full-time and abused the original intent of the permits will be rewarded with higher allocations than those that did not. Everyone who had a license before the control date should receive a limited entry permit with an equal allocation.

Equal allocation was considered during this process, as well as equal allocation for several tiers with different historical activity. Ultimately, the Council adopted an individual allocation strategy because it was viewed as the fairest strategy to incorporate past history and dependence on the fishery.

10. Each coastal state adjacent to the scallop grounds should have a minimum number of participants to promote parity among those states with active fisheries.

This recommendation was raised during scoping and was considered by the Scallop Committee early in the Amendment 11 process. The Committee never recommended it as a final alternative to be considered by the Council. This fleet is some what mobile and the Council is supportive of qualifying vessels on an individual basis rather than a minimum number of vessels per state. Based on the data available, the expected qualifiers are from a variety of coastal states (See Table 82)

11. If I am shut out of this fishery I feel I should be reimbursed by the government for my investments.

The Magnuson Act states that fishing permits do not confer any right of compensation if they are revoked, limited or modified.

12. Portion of allocations should be set aside for young fishermen from rural coastal areas that would like to follow traditional pursuits.

The Council is supportive of young fishermen having an opportunity to fish in the general category scallop fishery. Since Amendment 11 will qualify vessels at various levels the cost of entering into the fishery should be reduced for permits with lower allocations. This may provide a better way for younger fishermen to afford entry into the fishery compared to a single class of limited entry permits without transferability provisions.

13. *One commenter explained that he upgraded his vessel after the control date and was issued a new permit number so will not qualify with the landings he caught with his original vessel.*

This issue was raised during scoping and the Council developed and approved an alternative that would allow a vessel to qualify for a permit if it upgraded or was sold, provided the vessel owner retained the general category history from the original permit (See Section 3.1.2.5.1.2). If a vessel upgraded during the qualification period or after, it can still use the landings history from the original qualifying vessel, provided the original owner retained the general category history.

14. *There should be no “re-rigging” clause.*

The Council agrees with this commenter. The Council did consider a “re-rigging” clause based on comments during scoping that some vessels were in the process of purchasing a vessel when the control date was implemented. But in the case of the general category scallop fishery, the Council does not support a “re-rigging” clause due to the explosion of effort in the year following the control date by many vessels that are no longer, or were not involved in the fishery before the control date. The risk of potentially abusing a “re-rigging” clause would increase with the high number of vessels that entered into the fishery after the control date was implemented and could ultimately qualify more vessels than the desired number of general category qualifiers under this program.

Permit Provisions

Several comments addressed the permit provision section. There was both support and opposition to the alternatives for stacking permit allocations. Some also commented on the provision to allow permit history to qualify if it was retained by the selling vessel.

15. *NMFS commented that the Council should clarify their intent with stacking in terms of it being permanent and/or temporary, as well as several other stacking related clarifications.*

Based on the comment letter from NMFS during the public comment period, the Committee and Council clarified several issues that were not adequately explained in the DSEIS. The clarifications below were added to the document in response to concerns raised by NMFS and were included in the final motion that approved Amendment 11 at the June 2007 Council meeting.

Clarifications (from final motion):

- Section 3.1.2.5.4 (permit stacking) is for limited access general category qualifiers only – these alternatives would not apply to limited access vessels that may also qualify for a general category permit. Those vessels would not be permitted to stack limited access general category permits on a vessel that is limited access already.
- Clarify language of stacking alternatives to be that stacking could be permanent or on an annual basis and that a vessel could only lease/sell their entire allocation – not a portion of their allocation.
- When a vessel wants to permanently stack a general category limited entry permit it also must either transfer all of its federal limited access permits or permanently cancel such permits.

16. NMFS commented that the Council needs to specify how the 5% ownership cap is calculated – is it to be based on permits or percent of allocation – the document is not clear.

The Council agreed and instructed staff to clarify the language in the FSEIS that the 5% ownership cap is calculated based on percent of general category allocation and is specific to any ownership interest by an individual, corporation or other entity.

17. Some comment letters suggested that Amendment 11 include an owner operator requirement for general category vessels.

This issue was raised during scoping and the Scallop Committee considered it during development of Amendment 11. At the advisory panel level there was some support for this idea, but the motion to consider an owner operator requirement ultimately failed because some advisors explained that many vessels in the fishery now are not owner operator. After more investigation at the Committee level, it became clear that an owner operator clause would be difficult to implement and may not be effective in the federal process like it is at the state level (i.e. in the Maine lobster fishery).

Alternatives to reduce incentive to use trawl gear

Most comments did not address this issue. However, NMFS included several comments about this section. First, NMFS commented that the alternative that includes a restriction specific for trawl gear when scallops is more than 5% of total regulated species onboard is not enforceable. NMFS also stated that general category vessels that qualify to use trawl gear should be issued a permit for trawl gear, as is done for the current limited access trawl fishery. NMFS requested that it be clear in the FSEIS if a current owner who fishes with trawl gear can qualify for his permit if the scallop landings used for eligibility were harvested with a dredge by a previous owner. The Council changed the proposed action so that it is consistent with NMFS' comment.

Sectors

Several commenters, including NMFS and EPA, suggested that would general category vessels should be allowed to form voluntary sectors. One commenter did not support the 20% maximum allocation per sector; arguing that it simply restricts the number of members within a sector.

Interim measures

Some expressed concern about derby fishing under the hard-TAC alternative, and supported the alternative without a hard-TAC. Several commented that a 10% TAC is too high for the interim period.

18. One suggested that vessels should be advised to review their NMFS landings history to determine if they will pre-qualify. Vessels that do not pre-qualify, or contest their individual allocation, should be denied permits, or be limited to landings based on NMFS records until the level of landings history is verified.

Because of due process law vessels under appeal should not be treated differently than vessels that qualify for a permit. Therefore, NMFS would not be able to deny a vessel a permit while an appeal was being considered. However, it is possible that some appeals could be settled relatively quickly, especially those appeals related to having a permit before the control date.

19. Amendment 11 should confirm that existing access area caps will be maintained during any transition period.

The specific general category management measures during the transition period will be specified in Framework 19, the action that will set specifications for fishing years 2008 and 2009. The transition period is expected to be about 12-18 months after Amendment 11 is implemented. Therefore, the specifics of the quarterly hard-TAC will be implemented in Framework 19 and at that time the Council can consider what percentages of access area TACs the general category fishery should be allocated per area.

Hard-TAC

Several commenters were in favor of an overall hard-TAC. Some (including NMFS if a hard-TAC was approved) suggested it be divided by quarters to minimize the incentive to derby fish. On the other hand, many commenters were not in favor of hard-TACs. EPA for example, suggested that unrestricted TACs encourage risk-taking behaviors.

Northern Gulf of Maine

Most comments were in favor of considering a separate program for the NGOM. One commenter opposed Option B as the boundary because it does not correspond with the exemption area established in Multispecies FW21, nor the historic availability of scallops in the GOM, and another commenter supported Option B. Several commenters supported No Action for the NGOM.

20. NMFS commented that the Council needs to sufficiently justify the NGOM alternative in terms of conservation.

The Council is supportive of a separate management system in the NGOM for the general category fishery. The rationale for this alternative explains why it is justified in terms of conservation of the scallop resource in the NGOM (See Section 3.1.4.4). In summary, a hard-TAC will be implemented for the federal portion of the scallop resource. All scallop landings in this area will count against the TAC including incidental levels of scallop catch. The reduced possession limit and other restrictions are expected to minimize increased effort in this area. Furthermore, regulations are under proposed rule that would prevent a vessel with a limited entry permit to declare out of that federal fishery and then fish in state waters. These measures are all reasons why this alternative is justified in terms of conservation. The Council designed this alternative to allow for a placeholder for future management of scallops in the NGOM if and when they return.

21. One commenter suggested that the NGOM license should be given to people that held a license up until the Amendment 11 decision regardless of what they had for landings.

The Council agrees that a vessel should not have to demonstrate landings history to qualify for this permit so that a wide range of vessels can maintain the opportunity to fish the scallop resource in this area. However, the Council selected the November 1, 2004 control date as the cut off to be consistent with the rest of the limited entry program under Amendment 11. The number of vessels that are expected to qualify under this alternative is about 2,484, vessels that obtained a general category permit in 2004 before the November 1, 2004 control date (reduced by the approximately 369 vessels that will qualify for the general category limited access permit).

Monitoring

Most comments did not focus on this topic.

1. *A comment from NMFS suggested that trip by trip reporting through VMS or IVR is not necessary to monitor an overall TAC or individual allocation.*

The Committee and Council considered this comment, but the Council's final recommendation includes mandatory reporting through VMS. While monitoring this fishery through VMS may be burdensome because of the number of permits and number of trips taken per year, the Council recommends that vessels be required to declare they are going on a general category trip and report scallop landings through VMS. The Council believes that reporting through VMS will improve enforcement and monitoring under an individual quota program. Enforcement will have a better idea of where and when IFQ vessels are going to land and how much scallop they should have on board.

Limited access fishing under general category

Some voiced support for these vessels to be permitted to fish under general category, and some did not. One commenter argued that permits should not be taken away from general category fishermen and given to limited access vessels under this action. Most of the commenters who supported that vessels should have the ability to fish under general category felt it should be restricted to those limited access vessels that qualify under the same criteria. Furthermore, most felt that allocations should be from a separate TAC, not the general category allocation.

Response: See Section 3.1.6 and 5.1.1.6.1 for the rationale as to why the Council selected the proposed alternative compared to the other alternatives for this topic.

Allocation alternatives

There was diverse input on this subject. Some argued that the general category allocation should be set at the lowest possible value to insure that overfishing does not occur and the fishery becomes sustainable. Furthermore, an allocation above 5% to the general category fishery defeats the purpose of establishing the control date in the first place. On the other hand many comments supported a higher allocation for the general category fishery. Several comments voiced concern that it is not right that the vast majority of the resource is going to be allocated to a relatively small number of limited access vessel owners. Furthermore, one argued that scallops are on federal bottom and public money is used to study, protect and regulate them, so more people should benefit from the resource. Lastly, several commenters touched on the issue of relative scale in terms of the impacts on the scallop resource from a general category vessel compared to a limited access vessel. One commented that his annual catch will be far less than the catch from one limited access trip, so the impacts are on a different scale.

Response: See Section 3.1.7.2 and 5.1.1.7.2 for the rationale as to why the Council selected the proposed alternative compared to the other alternatives for this topic.

2. *NMFS commented that it would not be able to effectively monitor a yellowtail flounder bycatch TAC specifically for the general category fishery because the yellowtail flounder bycatch TAC for that portion of the fleet could be extremely small.*

The Council agrees that for now it is not practical to monitor a very small yellowtail flounder TAC and recommends that the yellowtail flounder bycatch TAC remain as a fleetwide TAC.

Incidental catch - Not many comments focused on this issue.

24. NMFS commented that the Council must provide a description of how it will account for all scallop catch, specifically incidental catch, and cannot leave any harvest unaccounted for in mortality estimates.

In response to this comment the FSEIS clarifies that the Scallop PDT will estimate the amount of mortality from incidental catch in future framework actions. That level of mortality will be removed from the overall available scallop catch, similar to how TAC is reduced for both the research and observer set-aside program. The level of mortality from incidental catch will not be a hard TAC, rather the PDT will make an estimate in each biennial framework based on available information.

25. The incidental catch alternatives do not adequately address historic incidental catch in excess of 40 pounds per trip. If the Council chooses to allocate in trips, then even if some vessels qualify they will be restricted to a specific number of 400 pound trips; which is not how they have historically fished.

The Council recognized this issue as one drawback of allocation in 400 pound trips under the original preferred alternative for the limited entry general category program. The Council's final recommendation includes allocation in pounds; therefore, this issue is addressed and a qualifying vessel could land its scallop allocation in whatever amount it wants (up to 400 pounds per trip). Therefore, if a vessel is fishing for other species and catches 250 pounds of scallop, for example, if that vessel has an allocation of scallop quota it can land 250 pounds on that trip.

Measures to improve integration of data

Most public comment was opposed to changing the scallop fishing year in Amendment 11. However, NMFS voiced support for changing the fishing year and suggested that the arguments against changing the fishing year were not sufficiently articulated in the DSEIS. During the public comment period the industry provided reasons why not changing the fishing year outweighed the benefits of improving the timing and integration of survey and fishery data and these reasons have been added to the FSEIS as justification for the proposed action not to change the fishing year.

The list of reasons given include: 1) there is always a boom in fishing effort when a fishing year begins and that should be when yield is high. In the case of scallops, yield is highest in late spring so a March 1 start date is favorable to reduce mortality; 2) spring and summer are good weather months so more effort during that time of year is beneficial for safety; 3) scallop yield falls off in the fall when scallops spawn, so an August 1 start date would increase mortality; 4) the processing industry has developed over the last decade based on a March 1 start date, and there would be inventory management issues if the year changed. For example, since most scallops are caught in the spring and summer some are frozen and sold off during the winter when supply is lower. It is true business models could be changed if the fishing year changes, but that would come at a cost to the industry; 5) the market is better in spring and summer when demand for fresh scallops is higher, so it makes sense to keep the start of fishing year when demand is highest; 6) since the entire scallop survey program is in flux and we are not sure what vessel or vessels are going to be used, when the survey is going to take place, and how the scallop resource is going to be assessed in the future why change the fishing year now when everything could be different next year; 7) survey technology is improving and information is becoming available much sooner; and 8) from a port and fishing pier perspective it helps that the

scallop and groundfish fishing years are staggered. Vessels are usually worked on right before the opening of a fishing year, so the scallop vessels are worked on first, and then the groundfish vessels. In a port like New Bedford, it would be very difficult for all the vessels to get worked on at the same time if the fishing years both started on May 1.

Other measures

Not many comments focused on this issue.

26. One way to solve the issue of 50 bushels not equally 400 pounds would be to change the regulations to be consistent with how the possession limit is worded for vessels that today fish south of 42 20N, they are restricted to the 50 bu. cap when the vessel is shoreward of the demarcation line [648.52 (d)]. If 42 20N was removed from the regulations then it would apply for all areas and achieve then same thing.

The Committee discussed this option during development of Amendment 11 but recommended a maximum of 100 bu. rather than no cap seaward of the demarcation line. One-hundred bushels was recommended as a level that would improve compliance with the possession limit while fishing, but not increase the incentive to highgrade.

7.1.4.3 Description of affected environment and impacts of alternatives under consideration

Overall, there were not many comments related to the description of the environment section or the analysis of impacts section. After review of the DSEIS, EPA rated this action as “LO” (lack of objections); the alternatives that were examined, and the description of impacts were satisfactorily addressed.

27. One commenter said that Amendment 11 is not based on scientific information that can be replicated. And it does not comply with several other national standards related to the needs of affected states, and efficiency.

The Council disagrees with this comment. Section 6.1 summarizes how this action and the FSEIS is in compliance with all national standards, including use of best scientific information, needs of different coastal states and efficiency.

7.1.4.4 Other comments / General Comments

The comments below were from written comments on Amendment 11 but were not directly related to the alternatives under consideration. In general these comments were not relative to the scope of Amendment 11 and the stated purpose and need for the action. The comments have been listed below since they are part of the public comment process, but individual responses have not been prepared since they are not related to the proposed action or alternatives under consideration. Some of these comments may be addressed in future scallop actions if the Council decides to identify them as priority issues.

- *All quotas should be cut by 50% this year and 10% each year thereafter; the interests of our children are being severely compromised. Stop catering to the commercial fish profiteers and the fake information they provide to you.*
- *Regulations have changed the industry, and the general category fishery is no longer the traditional small boat fishery it used to be.*

- *If there are any members on the board from any one user group, there should be an equal number of board members from the other user group providing equal representation. If this cannot be done, then no one on the board should have any affiliation to any particular user group. Another commenter raised concern about conflict of interest in this process.*
- *The management process has ignored science that supports the cyclical nature of scallops and the benefits of harvesting slower growing scallops. Management measures like larger ring sizes have targeted the fastest growing scallops of the year class thus creating reverse genetic selection over time. Ring size increase has also created a market share for small imported scallops.*
- *Managers have not investigated how predation of scallops by starfish is impacting mortality. If general category vessels were required to land starfish the mortality from that fishery could be offset by removing the predators.*
- *The fishery should be managed on a more real-time basis, with tools for rapid action.*
- *Scope of Amendment 11 should be widened to include use of area management in mire inshore areas.*
- *The scallop survey should be expanded to cover more areas where general category vessels have been fishing; we may be missing recruitment events in areas that are not sampled on the survey.*
- *Why did the Elephant Trunk Area open in March? It should have opened later so the scallops in there could spawn.*

7.1.5 List of Preparers

This document was prepared by members of the New England Fishery Management Council staff and Scallop Plan Development Team, with input from both the Scallop and General Category Scallop Advisory Panel

Scallop Plan Development Team

Deirdre Boelke, NEFMC Staff, PDT Chair
 Peter Christopher, NMFS Sustainable Fisheries
 William DuPaul, VIMS
 Demet Haksever, NEFMC Staff
 Dvora Hart, NEFSC
 Kevin Kelly, Maine DMR
 Erin Kupcha, NMFS Observer Program
 Lynn Lankshear, NMFS Protected Species
 Edward Marohn, USCG
 Kimberly Murray, NEFSC Protected Species
 Julia Olsen, NEFSC Social Sciences
 Sarah Thompson, NMFS NEPA Staff
 Stanley Wang, NMFS Fisheries Statistics

New England Fishery Management Council Staff

Deirdre Boelke, NEFMC Staff, Scallop FMP Coordinator
 Andrew Applegate, NEFMC Staff

Christopher Kellogg, NEFMC Staff
 Patricia Fiorelli, NEFMC Staff, Public Affairs, Protected Resources
 Louis Goodreau, NEFMC Staff, Enforcement Analyst
 Demet Haksever, NEFMC Staff, Economic Analyst
 Leslie-Ann McGee, NEFMC Staff, EFH Coordinator
 Woneta Cloutier, NEFMC Staff, Administrative Assistant for Scallop FMP

Other Contributors

Louis Jachimczyk, NMFS Office of Law Enforcement
 Kurt Wilhelm, NMFS Fisheries Statistics Office

Scallop Advisory Panel

Dan Cohen, Cape May, NJ	Frank McLaughlin, Yorktown, VA
Gib Brogan, Mystic, CT	Donald Myers, West Creek, NJ
Ron Enoksen, New Bedford, MA	Ray Starvish, Jr., Taunton, MA
James Fletcher, Manns Harbor, NC	Richard Taylor, Gloucester, MA
Gary Hatch, Owls Head, ME	Edward Welch, New Bedford, MA
Kirk Larson (Vice-Chair), Barnegat Light, NJ	William Wells (Chair), Yorktown, VA
Michael Marchetti, Wakefield, RI	

General Category Scallop Advisory Panel

James Brindley, Barnegat Light, NJ	Phillip Michaud Jr. (Chair), Eastham, MA
Raymond Hilshey, Gloucester, MA	Donald Myers, West Creek, NJ
Robert Keese (Vice-Chair), W. Chatham, MA	Mark John Plachowicz, Atkinson, NH
Jeffrey Kraus, Southampton, NY	John Stuart, Portland, ME
Michael Marchetti, Wakefield, RI	John Wood, Machiasport, ME

The following agencies were consulted during the development of this amendment, either through direct communication/correspondence and/or participation on the Scallop Committee or PDT:

- NOAA Fisheries, National Marine Fisheries Service, Northeast Regional Office, Gloucester MA
- Northeast Fisheries Science Center, Woods Hole MA
- Mid-Atlantic Fishery Management Council

7.1.6 DSEIS and FSEIS Circulation List

Initially, the Council distributes the Draft Amendment 11 document and DSEIS to individuals who contributed to the development of this document, including Scallop PDT and AP members. These individuals are listed in the previous section of this document.

As part of the review process for consistency with applicable laws such as the CZMA and the ESA, the Council distributes the Draft and Final FMP/EIS to the following coastal states and agencies:

Maine Coastal Program
 New Hampshire Coastal Program

Massachusetts Coastal Zone Management
Rhode Island Coastal Resources Council
Connecticut Office of Long Island Sound Programs
New York Division of Coastal Resources
New Jersey Division of Coastal Resources
Delaware DNREC
Maryland Coastal Zone Management Division
Virginia Coastal Resources Management Program
North Carolina Division of Coastal Management
Pennsylvania Department of Environmental Protection
South Carolina Ocean and Coastal Resources Management
Mid-Atlantic Fishery Management Council
Atlantic States Marine Fisheries Commission

In addition, the Council prepares a notice to its “Interested Party” list for Atlantic sea scallop that announces the availability of the DSEIS and public hearing document and announces the schedule for public hearings. A Notice of Availability of the DSEIS is also published in the *Federal Register*. At that time, anyone on the “Interested Party” list or any other member of the public may call the Council office and request a copy of the DSEIS for their review. There are over 500 individuals on the “Interested Party” mailing list for Atlantic sea scallop. The Council also made the Amendment 11 DSEIS available for downloading through its website (www.nefmc.org).

A similar process will be used by the Council for distribution and circulation of the final Amendment 11 and FSEIS document.

7.2 MARINE MAMMAL PROTECTION ACT (MMPA)

Section 4.3 contains a description of marine mammals potentially affected by the Scallop Fishery and Section 5.3 provides a summary of the impacts of the range of alternatives. A final determination of consistency with the MMPA will be made by the agency when Amendment 11 is implemented.

7.3 ENDANGERED SPECIES ACT (ESA)

Section 4.3 contains a description of marine mammals potentially affected by the Scallop Fishery and Section 5.3 provides a summary of the impacts of the range of alternatives. A final determination of consistency with the ESA will be made by the agency when Amendment 11 is implemented.

7.4 ADMINISTRATIVE PROCEDURE ACT (APA)

The Council has held numerous meetings open to the public on Amendment 11. A summary of where these meetings have been held is provided in Section 8.0 of this document. Opportunity for public comment on Amendment 11 will be provided when the DSEIS for Amendment 11 is released for public comment and the Council will meet in a public meeting to adopt Amendment 11. After submission to NMFS, a proposed rule and notice of availability for Amendment 11 under the M-S Act will be published to provide opportunity for public comment. If approved,

NMFS would consider an appropriate delay in effectiveness for Amendment 11 to provide the public with opportunity to prepare for the new regulations.

7.5 PAPERWORK REDUCTION ACT (PRA)

Amendment 11 contains several alternatives that would have new collection of information requirements subject to the PRA. The collection of information requirements associated with the measures proposed in this amendment were addressed through a separate analysis conducted by NMFS. The PRA package prepared in support of this action, including the required forms and supporting statements, was submitted by the NMFS Northeast Regional Office under separate cover.

7.6 COASTAL ZONE MANAGEMENT ACT (CZMA)

The Council has adopted final measures and submitted Amendment 11 to NMFS; NMFS will request consistency reviews by CZM state agencies.

7.7 INFORMATION QUALITY ACT

Utility of Information Product

The proposed document includes: A description of the management issues, a description of the alternatives considered, and the reasons for selecting the preferred management measures, to the extent that this has been done. These actions propose modifications to the existing FMP. These proposed modifications implement the FMP's conservation and management goals consistent with the Magnuson-Stevens Fishery Conservation and Management Act (Magnuson-Stevens Act) as well as all other existing applicable laws.

This proposed amendment is being developed as part of a multi-stage process that involves review amendment document by affected members of the public. The public has had the opportunity to review and comment on management measures during several meeting identified in Section 8.0 of this document. In addition, the public will have further opportunity to comment on this amendment through the 45-day public hearing process, and an additional NEFMC meeting, and again after the NMFS publishes a request for comments notice in the Federal Register (FR).

The Federal Register notice that announces the proposed rule and the implementing regulations will be made available in printed publication and on the website for the Northeast Regional Office. The notice provides metric conversions for all measurements.

Integrity of Information Product

The information product meets the standards for integrity under the following types of documents:

Other/Discussion (e.g., Confidentiality of Statistics of the Magnuson-Stevens Fishery Conservation and Management Act; NOAA Administrative Order 216-100, Protection of Confidential Fisheries Statistics; 50 CFR 229.11, Confidentiality of information collected under the Marine Mammal Protection Act.)

Objectivity of Information Product

The category of information product that applies for this product is “Natural Resource Plans.”

In preparing specifications documents, the Council must comply with the requirements of the Magnuson-Stevens Act, the National Environmental Policy Act, the Regulatory Flexibility Act, the Administrative Procedure Act, the Paperwork Reduction Act, the Coastal Zone Management Act, the Endangered Species Act, the Marine Mammal Protection Act, the Data Quality Act, and Executive Orders 12630 (Property Rights), 12866 (Regulatory Planning), 13132 (Federalism), and 13158 (Marine Protected Areas).

This amendment is being developed to comply with all applicable National Standards, including National Standard 2. National Standard 2 states that the FMP's conservation and management measures shall be based upon the best scientific information available. Despite current data limitations, the conservation and management measures proposed to be implemented under this amendment are based upon the best scientific information available. This information includes complete NMFS dealer weighout data through 2005, and includes incomplete dealer weighout data for 2006. Dealer data is used to characterize the economic impacts of the management proposals. The specialists who worked with these data are familiar with the most recent analytical techniques and with the available data and information relevant to the scallop fishery.

The policy choices (i.e., management measures) proposed to be implemented by this specifications document are supported by the available information. The management measures contained in the amendment document are designed to meet the conservation goals and objectives of the FMP.

The supporting materials and analyses used to develop the measures in the amendment are contained in the amendment document and to some degree in previous amendments and/or FMPs as specified in this document.

The review process for this amendment involves the New England Fishery Management Council, the Northeast Fisheries Science Center, the Northeast Regional Office, and NOAA Fisheries headquarters. The document was prepared by staff of the Council and Center with expertise in scallop resource issues, habitat issues, economics, and social sciences. The Council review process involves public meetings at which affected stakeholders have opportunity to provide comments on the specifications document. Review by staff at the Regional Office is conducted by those with expertise in fisheries management and policy, habitat conservation, protected species, and compliance with the applicable law. Final approval of the specifications document and clearance of the rule is conducted by staff at NOAA Fisheries Headquarters, the Department of Commerce, and the U.S. Office of Management and Budget.

7.8 E.O. 12866

7.8.1 Introduction

The Regulatory Impact Review (RIR) provides an assessment of the costs and benefits of proposed actions and other alternatives in accordance with the guidelines established by Executive Order 12866. The regulatory philosophy of Executive Order 12866 stresses that in

deciding whether and how to regulate, agencies should assess all costs and benefits of all regulatory alternatives and choose those approaches that maximize the net benefits to the society.

The RIR also serves as a basis for determining whether any proposed regulations are a “significant regulatory action” under the criteria provided in Executive Order 12866 and whether the proposed regulations will have a significant economic impact on a substantial number of small entities in compliance with the Regulatory Flexibility Act of 1980 (RFA).

The Amendment 11 document contains all the elements of the RIR/RFA, and the relevant sections are identified by reference to the document. The economic impacts section of this document (Section 5.4) provides the basis for the Regulatory Flexibility Analysis and consideration of impacts relative to EO 12866. The Initial RFA will be prepared for the final action and will summarize impacts of the proposed action and its alternatives. The economic impacts of the proposed action will be evaluated relative to EO 12866.

The purpose of and the need for action are described in Section 2.0. The description of the each selected alternative including the no action alternative is provided in Section 3.0.

7.8.2 Economic Impacts

Section 5.4 evaluated economic impacts of the Amendment 11 proposed measures by and alternatives considered by the Council. Sources of uncertainty are identified in Section 5.4.22.3. The combined economic impacts of the limited entry, TAC management, qualification criteria, qualification period, individual allocation, contribution factor and other measures are summarized in Section 5.4.1.1. The individual measures considered by Amendment 11 are discussed in relevant subsections of Section 5.4 shown below:

- Economic impacts of limited entry combined with various qualification criteria and time period alternatives are analyzed in Section 5.4.3 and the impacts of limited access combined with a general category TAC are analyzed in Section 5.4.5.
- Economic impacts of qualification criteria alternatives on the general category permit holders and vessels that qualify for limited access are analyzed in Section 5.4.3. The impacts on revenues, fishing costs, average net revenues, crew and vessel shares are analyzed in Section 5.4.5 for various levels of general category TAC. The impacts of 1000 lb. qualification criteria and other alternatives on recent participants of general category fishery are analyzed in Section 5.4.6.
- Economic impacts of qualification period alternatives combined with the qualification criteria are analyzed in several sub-sections of Section 5.4. The impacts on the general category permit holders and vessels that qualify for limited access are analyzed in Section 5.4.3. The impacts on revenues, fishing costs, average net revenues, crew and vessel shares are analyzed in Section 5.4.5 for various levels of general category TAC. The impacts of 5-year lb. qualification period and other alternatives on recent participants of general category fishery are analyzed in Section 5.4.6.
- Economic impacts of contribution factor (qualification amount) are analyzed in Section 5.4.7.1 – 5.4.7.2.
- Economic impacts of allocation of access for general category limited access qualifiers are analyzed in Section 5.4.8.
- Economic impacts of limited entry permit provisions are analyzed in Section 5.4.9.

- Economic impacts of measures for vessels that fish for scallops with trawl gear are analyzed in Section 5.4.10.
- Economic impacts of sectors and harvesting cooperatives are analyzed in Section 5.4.11.
- Economic impacts of interim measures for transition period to limited entry are analyzed in Section 5.4.12.
- Economic Impacts of Northern Gulf of Maine (NGOM) Scallop Management Area are analyzed in Section 5.4.14.4.
- Economic Impacts of Monitoring Provisions are analyzed in Section 5.4.15.
- Impacts of limited access fishing under general category rules are analyzed in Section 5.4.16.1.
- Impacts of allocation of quota for limited access fishing under general category rules are analyzed in Section 5.4.16.2.
- Impacts of allocation between limited access and general category fisheries are analyzed in Section 5.4.17.
- Impacts of incidental catch permit are analyzed in Section 5.4.18.
- Impacts of changing the issuance date of general category permits are analyzed in Section 5.4.19.
- Impacts of other measures (3.3) are analyzed in Section 5.4.20 and 5.4.21.
- Data, methods and uncertainties are discussed in Section 5.4.23.

7.8.3 Summary of economic impacts

The combined impacts of the proposed regulations on scallop fishery, on consumers and total economic benefits to the nation are analyzed in Section 5.4.3 and the economic impacts of the individual measures are discussed in subsections of 5.4 as indicated above. The economic costs of benefits of the proposed measures are compared to no action. Under no action the general category fishery would remain an open access fishery subject to the 400 lb. trip limit. Status quo scenario is based on the same assumptions except that any short term increase in overfishing of the scallop resource would to be corrected by framework action in accordance with the Sea Scallop FMP regulations.

The combined economic impacts of the limited access program and a separate TAC for the general category fishery are expected to be positive for the sea scallop fishery as a whole compared to taking no action and status quo management for the following reasons:

- Since with no action there are no limits on the number of trips a vessel could take and no limits on the number of vessels able to participate in the general category fishery, total fishing effort in this fishery could increase in response to higher scallop prices, to an increase in resource productivity, or to changes in fishing opportunities in other fisheries. As a result, scallop mortality could exceed sustainable levels, reducing the stock biomass, the future yield, and revenues from the scallop resource. This would have negative economic impacts on the consumer surplus by reducing landings and increasing prices. It would also have negative impacts on producer surplus by reducing revenues and increasing the costs of fishing per pound of scallops (due to lower LPUE). Consequently, total benefits, measured as the sum of consumer and producer surpluses, would decline under no action. Therefore, limited access will have positive economic impacts on the consumer and producer surpluses and total benefits for the nation compared to no action. Limited access will reduce the risks of overfishing of the scallop resource by preventing

new entry to the general category fishery. It will also prevent the profits of the qualifiers and limited access vessels from dissipating due to increase in capacity.

- The economic impacts of separate TAC allocation combined with limited access will also be positive for the sea scallop fishery. In the absence of measures that control overall scallop landings by general category vessels, it is possible even with the limited entry for the fishing mortality to increase beyond the target levels if the vessels that qualify for limited access increase the number of trips targeting scallops. This could have negative impacts on both the limited access and the general category vessels as scallop catch per day-at-sea declines and fishing costs per pound of scallops increase. The increase in costs and landings would reduce producer surplus for the scallop fishery. The decline in landings combined with an increase in prices could result in a lower consumer surplus. Therefore, no action could have negative impacts on the total national benefits, which is measured as sum of producer and consumer surpluses. If scallop harvest is allocated between limited access and general category vessels by a separate TAC for general category, the fishing mortality due to general category fishery will be prevented from exceeding the sustainable levels. Therefore, TAC allocation combined with limited access will have positive economic impacts both on the consumer and producer surpluses and total benefits for the nation compared to no action both in the short- and the long-term. (See Section 5.4.2, Section 5.4.3, Section 5.4.5, and Section 5.4.17 for further analysis).
- TAC management combined with limited entry and allocation for individual vessels will prevent derby-style fishing and the negative economic impacts associated with it.

A brief summary of the impacts of the distributional impacts and the impacts of the individual measures proposed by Amendment 11 are as follows:

- The economic impacts of the proposed action will not be uniform among the vessels qualify for limited access and will vary according to the level of dependence on the general category fishery as a source of fishing income, the income from other species, the vessel size and fishing costs. These impacts are analyzed in several subsections of Section 5.4 and in the IRFA analysis provided Section 7.9.6 below.
- The economic impacts of the proposed measures will be negative on vessels that did not have a permit or did not land scallops before the control date of November 1, 2004. The economic impacts will also be negative on vessels that do not qualify for limited access because they do not meet the 1000-pound poundage criteria. Overall, 373 out of 597 vessels that participated in the scallop fishery in 2005 fishing year and earned \$29.9 million in revenue from scallop fishing will not qualify for limited access. Finally, the proposed 5% TAC allocation will reduce the scallop landings of many vessels that qualify for limited access compared to their best year and/or recent landings. Therefore, short-term economic impacts of the proposed action will be negative on many recent participants of the scallop fishery although the magnitude of impacts will vary from one vessel to according to the level of historical activity, dependence on the scallop fishery, number of years of participation. (See Section 7.9.6 below).
- As a result, the short-term impacts of the proposed action on employment (as measured by CREW*DAS) in the general category fishery will be negative. The impacts on the employment in the limited access fishery will be positive, however. The percentage

decline in employment in the scallop fishery as a whole could be somewhere between 6% to 15% in the short-term (Table 78). Over the long-term, however, taking no action and letting more vessels to enter the general category fishery and/or letting fishing effort by the participants in this fishery to increase could cause negative impacts on employment. If further expansion of the general category effort is not prevented, overfishing could occur and consequently could lead to more stringent effort reduction measures, such as reduced DAS allocations for the limited access fishery and/or lower possession limits for the general category fishery. Therefore, the proposed action is expected to have positive impacts on employment over the long-term and compared to taking no action.

- Despite these negative short-term distributional impacts on many vessels, the proposed action includes several measures that will provide access to this fishery for a variety of vessels from coastal communities along the east coast. The qualification criteria (1,000 pounds) for limited access is kept at a relatively low level by the Council to provide access to many vessels that have participated in this fishery at various levels. The allocation of fishing privileges considers historical participation in the fishery to the extent possible, but also takes into account the recent levels of general category fishing by providing access to those vessels that participated in the fishery from 2000-2004. Vessels will receive an individual allocation based on landings from their best year, and vessels that have been in the fishery for a longer period of time will have their landings multiplied by a weighting factor. Since the proposed limited access program will allocate access in individual pounds, vessels will have the flexibility to harvest their allocation during most optimum times. Although maintaining the 400 pound possession limit will cause some inefficiencies and result in higher costs compared to a higher (2000 pounds alternative) or no possession limit, this provision will help preserve the historical small-boat character of this fleet and allow the catch to be more effectively monitored.
- The proposed program for separate limited entry for the NGOM will provide a reduced level of access for more vessels, particularly vessels that are from smaller fishing communities in the NGOM that depend on having some level of access to various fisheries. The incidental catch permit will enable more vessels that land a small amount of scallops to benefit by permitting them to sell the product they catch up to 40 pounds. These measures will have positive economic impacts on vessels that do not qualify for limited access general category fishery.
- Several measures included in the proposed action will help to mitigate the potential negative economic impacts on some vessels that qualify for limited access. Qualifying vessels will be permitted to stack allocation up to 2% of the entire general category allocation and to lease or buy allocation on a permanent or temporary basis. This will enable vessels that do not receive an adequate amount of allocation to remain viable and remain in the fishery if they want to purchase additional quota. Furthermore, there is a provision to allow the formation of voluntary sectors, which could have positive impacts on some participants by allowing fishermen to combine their allocations when the allocations of individual vessels are too small to make scallop fishing profitable.
- The 5% general category TAC will have positive economic impacts on the limited access vessels by increasing estimated landings and revenues by this fishery by 7% compared to the status quo levels. Given that the DAS allocations for limited access under the status quo were determined after taking the predicted general category effort from total DAS

(11% in Framework 18), reducing the share general category fishery below the levels experienced recently will increase the total DAS available for the limited access vessels.

- By limiting the general category landings at 10% of the total scallop landings, the proposed interim measures will prevent a short-term increase in overfishing of the scallop resource and also will prevent a consequent decline in limited access allocations to compensate for an increase in general category effort. Quarterly TAC will reduce the derby style fishing and negative impacts associated with it to some extent.
- Proposed permit provisions will indirectly benefit all participants by ensuring that only those vessels that provide verification of permit and landings history will qualify and receive allocation based on accurate records. The proposed action will allow a vessel to increase its fishing power without any restriction providing flexibility for the vessels to adjust their fishing power to changing circumstances and to lower fishing costs. The 5% ownership restriction will prevent a few individuals or corporations from dominating the fishery and will help to redistribute gains from the limited access more equitably among more fishermen. Voluntary Relinquishment of Eligibility and Permit Splitting (3.1.2.5.6) provisions are expected to have positive economic impacts on the sea scallop fishery as a whole by reducing and/or preventing an increase in capacity in the general category fishery. Permit renewals and confirmation of permit history provisions would enable vessel owners that qualify for limited access to retain their fishing history and to transfer it to a replacement vessel in the future with positive economic impacts. Reporting landings through VMS as proposed by this amendment will have positive indirect economic benefits for the sea scallop fishery by improving the monitoring of the fishing effort in the general category fishery and ensuring better compliance with the regulations. Changing the general category permit to March 1 will allow a better estimation of the number of participants, the level of effort in the fishery and allocation of TAC by aligning the issuance date with date for the limited access fishery.
- The results of the analyses summarized above and in the following sections should be interpreted with caution. The number of affected vessels, scallop landings and revenues were estimated from the 2005 and 2006 fishing year (up to January 2006) data. These numbers could change in the future depending on several factors, including in changes in scallop resource biomass and yield, scallop prices, import prices for scallops, fishing expenses, VMS costs, changes in profitability of the scallop trips relative to trips targeted on other species, and changes in management measures affecting scallop fishery and other fisheries that limited access and general category vessels participate.

7.8.4 Enforcement Costs

The enforcement impacts and safety implications of the proposed measures are discussed in Section 5.6.3 of Amendment 11. The qualitative analysis included a discussion of the pros and cons of the proposed alternatives from an enforcement perspective. Enforcement costs and benefits of the proposed options for Amendment 11 are discussed in Section 5.4.22. Section 3.1.5 of Amendment 11 also provided a description of the alternatives for improving data collection and monitoring.

If Amendment 11 is approved as the Council recommends, it is the agency's responsibility to implement and enforce the amendment. Overall, there are costs the agency will incur to implement and enforce this action. While there are several mechanisms already in place that will

aid in enforcement and monitoring of this program (i.e. VMS monitoring and data processing), additional enforcement resources will be needed to ensure compliance with the proposed action.

7.8.5 Determination of Significant Regulatory Action

Executive order 12866 defines a “significant regulatory action” as one that is likely to result in: a) an annual effect on the economy of \$100 million or more, or one which adversely affects in a material way the economy, a sector of the economy, productivity, jobs, the environment, public health or safety, or state, local, or tribal governments or communities; b) a serious inconsistency or interference with an action taken or planned by another agency; c) a budgetary impact on entitlements, grants, user fees, or loan programs, or the rights and obligations of recipients thereof; d) novel legal or policy issues arising out of legal mandates, the President’s priorities, or the principles set forth in this executive order.

- Overall impacts on net benefits are expected to be positive, but the proposed regulations are not expected to not have an annual impact on the economy of \$100 million or more. Proposed measures will not adversely affect in a material way the economy, productivity, competition, public health or safety, jobs or state, local, or tribal governments or communities in the long run. In the short-term, however, there could some adverse economic impacts on recent participants as discussed in the summary above and in Section 7.9.6 of IRFA. As a result the proposed action could adversely affect, in the short-term, the jobs and/or communities associated with the vessels that will be excluded from limited access or vessels that will receive allocation pounds much less than their scallop landings in the recent years. For this reason, Amendment 11 would constitute a “significant regulatory action”.
- The proposed action also does not interfere with an action planned by another agency, since no other agency regulates the level of scallop harvest.
- It does not materially alter the budgetary impact of entitlements, grants, user fees, or loan programs, or the rights and obligations of recipients.
- Amendment 11 it will not raise novel legal and policy issues. Limited access program was implemented in several fisheries of New England and individual allocation of quota was implemented in the other fisheries and regions of the U.S.

7.9 INITIAL REGULATORY FLEXIBILITY ANALYSIS (IRFA)

The purpose of the Regulatory Flexibility Analysis (RFA) is to reduce the impacts of burdensome regulations and record-keeping requirements on small businesses. To achieve this goal, the RFA requires government agencies to describe and analyze the effects of regulations and possible alternatives on small business entities. Based on this information, the Regulatory Flexibility Analysis determines whether the proposed action would have a “significant economic impact on a substantial number of small entities.”

7.9.1 Problem Statement and Objectives

The purpose of the action and need for management is described in Section 1.2 and goal and objectives in Section 2.0 of the Amendment 11 document.

7.9.2 Management Alternatives and Rationale

The proposed action and no action alternative are described in Section 3.0.

7.9.3 Determination of Significant Economic Impact on a Substantial Number of Small Entities

7.9.4 Description of the small business entities

The RFA recognizes three kinds of small entities: small businesses, small organizations, and small governmental jurisdictions. It defines a small business in any fish-harvesting or hatchery business as a firm that is independently owned and operated and not dominant in its field of operation, with receipts of up to \$4.0 million annually. The vessels in the Atlantic sea scallop fishery could be considered small business entities because all of them grossed less than \$3 million according to the dealer's data for 2004 to 2006 (up to the end of January 2007) fishing years (Table 20). According to this information, annual total revenue averaged about \$940,065 in 2004, and over a million in 2005 fishing year per limited access vessel. Total revenues per vessel, including revenues from species other than scallops, exceeded these amounts, but were less than \$3 million per vessel. Average scallop revenue per general category vessel was \$35,090 in 2004 and \$88,702 in 2005 fishing years. Average total revenue per general category vessel was higher, exceeding \$240,000 in 2004 and 2005 fishing years. According to the preliminary estimates average revenues per vessel were lower in 2006 fishing year for the first 11 months for all permit categories because of lower scallop landings and prices.

The proposed regulations of Amendment 11 would affect vessels with limited access scallop and general category permits. Section 4.4 (Fishery-related businesses and Communities) of Amendment 11 document provides extensive information on the number, the port, the state, and the size of vessels and small businesses that will be affected by the proposed regulations. The current information on the number of scallop permits for the years 1997 to 2006 are provided in Table 209. According to the recent permit data, there were 318 vessels that obtained full-time limited access permits in 2006, including 55 small-dredge and 14 scallop trawl permits. In the same year, there were also 32 part-time and 1 occasional limited access permit in the sea scallop fishery. In addition, 2,501 permits were issued to vessels in the open access General Category and over 500 of these vessels landed scallops during the last two years (Table 20).

Table 209. Scallop Permits by category

Permit category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006*
Full-time	204	203	213	220	224	234	238	242	247	249
Full-time small dredge	3	2	1	3	13	25	39	48	56	55
Full-time net boat	27	23	16	17	16	16	16	15	18	14
Total full-time	234	228	230	240	253	275	293	305	321	318
Part-time	16	11	12	16	14	14	10	4	3	2
Part-time small dredge	9	7	3	4	6	8	19	26	29	30
Part-time trawl	30	27	22	20	18	10	8	3		
Total part-time	55	45	37	40	38	32	37	33	32	32
Occasional	2	3	4	4	5	4	3	3	1	1
Occasional trawl	24	19	20	16	19	15	8	5	5	
Total occasional	26	22	24	20	24	19	11	8	6	1
Total Limited access	315	295	291	300	315	326	342	346	359	351
General category	2002	1939	2096	2263	2378	2512	2574	2827	2950	2501

* Updated as of October 2006.

Table 210. Active scallop vessels by permit category (Dealer data)

Permit Plan	Data	2004	2005	2006*
General Category	Number of vessels	419	598	529
	Total number of trips	8,808	21,497	12,281
	Scallop pounds per vessel	6,721	11,656	9,592
	Average scallop revenue per vessel	35,090	88,702	58,158
	Average total revenue per vessel	249,167	260,942	139,755
	Total scallop landings	2,816,279	6,900,578	5,045,262
Limited Access	Number of vessels	323	334	323
	Total number of trips	4,521	5,292	2,758
	Scallop pounds per vessel	184,194	134,442	127,001
	Average scallop revenue per vessel	940,065	1,038,976	772,914
	Average total revenue per vessel	988,401	1,072,991	803,873
	Total scallop landings	59,494,630	44,903,637	41,021,231
Total number of vessels		742	932	852

*Preliminary estimates including January 2007. Fishing year February 28, 2007.

7.9.5 Determination of significant effects

The Office of Advocacy at the SBA suggests two criteria to consider in determining the significance of regulatory impacts, namely, disproportional and profitability.

The disproportionality criterion compares the effects of the regulatory action on small versus large entities (using the SBA-approved size definition of "small entity"), not the difference between segments of small entities. Amendment 11 is not expected to have significant regulatory impacts on the basis of the disproportionality criterion for the following reasons:

1. The majority of the permit holders in the sea scallop fishery are considered small business entities.

2. Although proposed measures are expected to affect some vessels within the scallop fleet differently than others as discussed in Section 7.9.6, these differential impacts are not relevant for disproportionality criterion. The changes in profits, costs, and net revenues due to Amendment 11 are not expected to be disproportional for small versus large entities since all entities, that is, all vessels participating in the scallop fishery are considered small.

3. The proposed action is not expected to place a substantial number of small entities at a significant competitive disadvantage relative to large entities.

The profitability criterion will apply if the regulation significantly reduces profit for a substantial number of small entities. The proposed action is expected to have differential impacts on the profits of the vessels depending on whether they qualify for limited access and whether they derive an important part of their income from scallop fishing. The impacts will also vary according to the permit category. The following section provides a summary of the economic impacts from the proposed action, and discusses the mitigating factors. The relevant section of Amendment 11, which discusses the rationale and impacts of these measures are also identified.

7.9.6 Summary of the combined economic impacts of the limited access measures

The economic impacts of the proposed action on small business entities were evaluated in Section 5.4 from two perspectives and compared to economic impacts:

- In the short term and under status quo management.
- If no action is taken to prevent new entry and further expansion of effort in the general category fishery (medium to long-term).

IRFA guidelines suggest that the impacts both in the short- and medium-term to be considered.

The short-term economic impacts of the proposed action will be negative for many vessels, but the magnitude of impacts will differ according to the level of historical activity, dependence on the scallop fishery, number of years of participation and whether they qualify for limited access general category fishery. The impacts of the proposed measures on the limited access vessels will also be different. The distributional impacts of the proposed alternatives were analyzed in Section 5.4.6 for four different groups of general category vessels:

- 1) Vessels that had a permit and were active before the control date and qualify for limited access (Group 1).
- 2) Vessels that had a permit and were active before the control date but do not qualify for limited access due to the poundage criteria (Group 2):
- 3) Vessels that had a permit before the control date but were not active until after the control date and thus do not qualify for limited access (Group 3):
- 4) Vessels that did not have a permit before the control date and thus do not qualify for limited access but were active during the recent years (Group 4):

Limited access program will have negative economic impacts on the vessels in groups 2, 3 and 4 since these vessels will not be able to access the limited access general category fishery unless they buy a general category permit from another vessel. According to the estimates, there were 373 such vessels out of a total 597 vessels that were active in the general category fishery in 2005 fishing year, which earned a total of \$29.9 million revenue from scallop fishing. The short-term impacts of the proposed action is evaluated compared to recent activity of these vessels in

2005 fishing year, which represents activity right after the control date for which complete data for the whole fishing year exists. Although the general effort in this year increased to 14.09%, above the 11% estimated in Framework 11 for status quo, it is possible for the same level of activity in the general category fishery to continue and even to increase with status quo management. The impacts of the proposed measures will differ, however, between these groups and from vessel to vessel in each group as summarized below (Table 211 and Table 212):

- Starting with the last group, the proposed limited entry program will have negative impacts on vessels that had their permit after the control date and targeted scallops heavily (Group 4). There were such 81 vessels in 2005 fishing that landed an average of 17,812 pounds of scallops per vessel and derived 87% of their income from scallops. Table 212 shows that only a few (9 out of 81) of vessels in this group earned less than 30% of their income from scallop fishing. The majority of the vessels in this group (72 out of 82), however, earned on the average 97.4% of their revenue from scallops and will be negatively impacted from the proposed action when they lose a major proportion of their income. Overall, vessels in this group earned \$11.2 million from scallop fishing. Because they did not have a general category permit before the control date these vessels will not be eligible to obtain an incidental catch and/or NGOM permit. The preliminary data for the 2006 fishing year suggest that a similar number of vessels (but not in addition to) could be impacted from the proposed action (Table 121).
- The proposed action will impact 172 vessels (Group 3) that had a permit before the control date but participated in the fishery for the first time after the control date. The limited entry program could result in a reduction of \$13.9 million in the total scallop revenue for this group of vessels with an overall decline of 58% in their revenue assuming that in the short-term (under status quo) they could continue to land similar amounts of scallops.
- The limited access program will also have negative economic impacts on vessels in Group 2, consisting of 308 vessels that do not qualify for limited access because they do not meet 1000 lb. qualification criteria for the 5-year qualification period. Since the majority of the vessels in this group (188 vessels) did not participate in the general category fishery during 2005 fishing year, proposed action will have no impacts on the current incomes of these vessels. On the other hand, 120 vessels in Group 2 would not be able to access scallop fishery and could incur a loss of income from scallop fishing (total of \$4.7 million in 2005). Compared to status quo management and assuming that in the short-term these vessels could continue to earn similar amounts of revenue from the general category fishery, the limited entry program could result in an overall reduction of 23% in their revenue.
- The impacts of the proposed action will not be uniform among the vessels in Groups 2 and 3 since they have varying levels of dependence on scallop fishing as a source of income. Table 212 shows that these 292 vessels (172 vessels in Group 3 and 120 vessels in Group 2) exhibit varying degrees of dependence on scallop

fishing as a source of income. A large number of vessels (about 114 in 2005) in this group derived less than 5% of their revenue from scallops, thus will not be impacted from the scallop fishing as much as others. On the other hand, more than one third of the vessels (124 out of 292) earned 50% or more of their revenue from scallops. The proposed action is expected to have negative economic impacts on these vessels given that the percentage revenue from scallops averaged 92.2% for this group.

- There are some measures included in the proposed action that could mitigate some of these adverse economic impacts on these vessels (in Groups 2 and 3), however. Since these vessels had a permit before the control date, they could obtain an incidental catch permit and land up to 40 pounds per trip, thus still earn some revenue from scallops. Some of these vessels could also obtain an NGOM permit and participate in the NGOM fishery when the scallop resource conditions in this area improves --subject to a possession limit of 200 pounds per trip and a hard-TAC. These measures could mitigate the negative impacts on those vessels that fish scallops as a bycatch or have a seasonal participation in the general fishery.
- The adverse economic impacts of the proposed action on the vessels that obtained their permit and either increased their activity in the fishery or started targeting scallops heavily after the control date are not unexpected, however. In 2004 the Council recognized that there was a substantial increase in general category fishing effort and requested NMFS to implement a control date to put permit owners on notice that future management actions may follow. As a result, some vessels in these groups might have made their plans accordingly considering scallop fishing as a temporary source of income in the short-term. There is no question that including the vessels and effort levels after the control date would compromise the entire limited entry program for vessels that have historically participated in this fishery at various levels. Particularly because of the explosion of effort in the year following the control date by many vessels were not involved in the fishery in previous years, the Council felt that restricting the limited entry program to vessels with history before the control date was justified. Although taking no action in the short-term would prevent the adverse impacts on the recent participants of the fishery, letting more vessels to enter the general category fishery over the long-term would have the negative impacts on scallop yield and revenues and profits of the participants of both the limited access and the historical participants of the general category fishery as discussed above.

The limited access program by itself will benefit 369 vessels that qualify for limited access general category fishery (Group 1). But the short-term economic impacts of the proposed action *compared to the* recent or status quo levels could be negative on many qualifying vessels due to the 5% general category TAC. Assuming that the sustainable level of scallop harvest would range from 50 million to 60 millions pounds in the future in line with the recent biological projections, the vessels that qualify for limited access (Group 1) would receive a total allocation of 2.5 million to 3.0 million pounds of scallops. These amounts are 10% to 24% lower than the

landings of these vessels in 2005 (3.3 million pounds), and 21% to 34% lower their best year landings (3.3 million pounds) during the five-year qualification period (from 2000 to 2004). In addition, the general category TAC will have to be divided among 369 qualifying vessels, including 145 qualifiers that were not active in the fishery in the recent years (Table 213 and Table 214). The proposed action will have positive economic impacts on those 145 vessels by allocating them scallop pounds they could either land, lease or sell to other vessels while increasing the negative impacts on the qualifiers that continued to fish for scallops after the control date.

Again, the economic impacts of the proposed action will not be uniform even among the vessels qualify for limited access and will vary according to the level of dependence on the general category fishery as a source of fishing income, the income from other species, the vessel size and fishing costs. The impacts of the proposed measures on gross revenues, costs and net revenues (as a proxy for gross profit) of the vessels that qualify for access were analyzed in Section 5.4.5 according to the vessel size and dependence on the general category fishery. Section 5.4.6.2 of the economic impacts section provided a comprehensive analysis of the distributional impacts of the proposed action on the vessels that qualify for limited access including the preliminary data for 2006 fishing year. The impacts will also vary according to the level of scallop harvest, which will determine total allocation for general category fishery (Section 5.4.17.2). A 5% TAC for the general category fishery will have lower negative impacts on those vessels that have a longer history of participation in the general category fishery than those vessels that were active in the fishery just for a few years because their contribution factors will be increased by an index as proposed by this amendment (option B, 25%).

Table 213 provides an analysis of the short-term impacts using the 2005 fishing year data for the 224 vessels that qualify for limited access assuming a total general category TAC of 2.5 million pounds, which will be divided among the total 369 qualifiers. In estimating the impacts on the allocation pounds the contribution factor is calculated according to the based propose best year-indexed (25%). It is evident from Table 213 that most qualifying vessels will receive allocations less than their best year landings ranging from 23% (for vessels that have longer years of activity) to 42% (for vessels that were active in the fishery 1 to 2 years). This is because best year scallop landings of the 369 qualifiers added up to 3.8 million pounds during the 5-year qualification period, which is much larger than the level of general category TAC assumed here (2.5 million pounds). If it were assumed that in the short-term, these vessels continued to land the amount of scallops they have landed in their best year, the proposed action would have negative economic impacts on all these vessels. This is assuming that there is no change in the scallop resource conditions and the number of general category vessels participated in the fishery.

The landings data for fishing year 2005 indicate, however, that 145 of these vessels did not even participate in the fishery, and the 224 vessels that were active landed about 3.3 million pounds of scallops. Furthermore, while some vessels landed more scallops in 2005 compared to their best year landings, others landed less. Using 2005 fishing year as a proxy for the short-term impacts, it could be seen from Table 213 that the proposed action (assuming a 2.5 million general category TAC) will reduce the total revenues of more than half of the vessels (153 out of 224) participated in the fishery in 2005 although the magnitude of impacts will vary from one vessel

to another. For example, as a result of the proposed action, total revenues of those 26 vessels will decline by less than 5% (compared to 2005 level) because they were active in the fishery relatively longer (average 3.5 years) and earn a small proportion of their income from scallops (9%). On the other extreme, total revenue of 57 vessels will decline by more than 50% compared to levels in 2005 because they participated in the fishery only in the last couple of years before the control date targeting scallops. If total scallop harvest was 60 million instead of 50 million, these negative impacts will be lower but still vary from vessel to vessel. Finally, the total revenues of 71 (33+10+28 vessels in Table 213) qualifying vessels would increase under the proposed action because their allocations (based on their historical participation) would be larger than then scallop landings in the 2005 fishing year.

In summary, the proposed action could have negative economic impacts in the short-term on vessels that do not qualify (373 vessels) with adverse impacts on 119 of these vessels estimated to be less than 5% of their revenue. The measures will also have negative impacts on many (about 153 out of 369 vessels) that qualify for limited access, with adverse impacts on 26 of these vessels estimated to be less than 5% of their revenue. Altogether, the proposed measures could reduce total revenues of 381 (254 vessels that do not qualify for limited access and 127 vessels that qualify for limited access) more than 5% in the short-term. There are several measures in the proposed action, however, to help mitigate and reduce the potential negative impacts on these vessels as discussed above. Qualifying vessels will be permitted to stack allocation up to 2% of the entire general category allocation and to lease or buy allocation on a permanent or temporary basis. This will enable vessels that do not receive an adequate amount of allocation to remain viable and remain in the fishery if they want to purchase additional quota. Furthermore, there is a provision to allow the formation of voluntary sectors. It may be more beneficial for a group of vessels from a fishing community for example to form a sector, and this action implements a mechanism for groups of vessels to organize and apply for a sector in the general category fishery. There is a group of vessels that will qualify for a Northern Gulf of Maine limited entry permit that will be permitted to fish for scallops at a reduced level. In addition, there are hundreds of vessels that will qualify for an incidental catch permit that will have the ability to land a smaller amount of scallops while fishing for other species.

Over the long-term and under no action scenario, however, there is no guarantee that the general category vessels would get a better share of the scallop fishery or that the qualifiers would be able to land more scallops compared to what they could with the proposed limited entry and 5% general category TAC. If general category fishery continued to be open access, there would be always a risk for more vessels entering the fishery, resulting in the overfishing of the scallop resource with a consequent reduction in LPUE, an increase in fishing costs per pound of scallops and dissipation of the profits for all participants, including those of the limited access vessels and of general category vessels that qualify for limited access.

In addition, the status quo management of the general category fishery that prevented an increase in overall fishing mortality (at least to some extent) by reducing the DAS allocations for the limited access could not continue in the long-term without significant impacts on these vessels (Section 5.4.17.1 and Table 167). For example, assuming a scallop harvest of 50 million, an increase in the share of general category landings to 20% of the total scallop landings would result in a decline of 17% to 21% of the net vessel share (as a proxy for profits) for the limited

access vessels. Given that in 2005, the general category landings increased to 14% of the total landings from about 5% in 2004, a further increase in general category effort does not seem to be beyond reach without a limited access program.

Because it will prevent further expansion of general category fishery and overfishing of the scallop resource from further increase in general category fishing, the economic impacts of the proposed measures on the 351 limited access vessels will be positive both in the short- and the long-term. This is because the DAS allocations for limited access under the status quo were determined after taking the predicted general category effort from total DAS (11% in Framework 18). Reducing the share general category fishery below the levels experienced recently will increase the total DAS allocations for these vessels resulting in 7% increase in their revenues compared to the status quo levels. Similarly, general category limited access program will benefit the limited access vessels that qualify although the separate 0.5% allocation could lower their landings compared to the recent levels (1.5% in 2005, 0.75% in 2006) from the proposed action.

In short, the overall economic impacts of the limited entry in the medium to long-term are expected to be positive for the sea scallop fishery as a whole compared to taking no action. If there is no action, that is, there are no new regulations to prevent an increase in fishing effort by the general category vessels, there will always be a potential risk for the scallop mortality to increase beyond sustainable levels and for the scallop biomass to decline due to overfishing. If that happens, the future yield and revenues from the scallop resource would decline, negatively affecting the vessels both with general category and/or limited access scallop permits. The proposed action will restrict the number of participants in the general category fishery to 369 vessels that meet the 1000 poundage qualification criteria within the five-year time period from 2000 to 2004 up to the control date. In addition, a separate 5% TAC for the general category will prevent the fishing mortality to exceed the sustainable levels from an increase in the fishing effort of the vessels that qualify for limited access. As a result, proposed action will have positive long-term economic impacts on the participants of the scallop fishery as a whole by preventing a decline in the scallop yield and revenues (compared to no action). Limited access will also prevent the profits of the qualifiers and limited access vessels from dissipating due to an increase in capacity. TAC management combined with limited entry and allocation for individual vessels (in terms of pounds) will prevent derby-style fishing and the negative economic impacts associated with it.

The results of these analyses should be interpreted with caution, however. The number of affected vessels, scallop landings and revenues were estimated from the 2005 and 2006 fishing year (up to January 2006) data. These numbers could change in the future depending on several factors, including in changes in scallop resource biomass and yield, scallop prices, import prices for scallops, fishing expenses, VMS costs, changes in profitability of the scallop trips relative to trips targeted on other species, and changes in management measures affecting scallop fishery and other fisheries that limited access and general category vessels participate.

The following provides a summary of the impacts of each individual measure proposed by Amendment 11 on small business entities and a discussion of the mitigating factors and significant alternatives considered by the Council.

Table 211. Impacts by qualification criteria and time period alternatives compared to the recent participation in the fishery

Vessel Group	The number of vessels active before the control date	Best year scallop landings during 2000-2004	2005 Fishing year							
			Number of active vessels	Total Scallop Landings	Average Scallop landings per vessel	Scallop Revenue as a % of Total Revenue	Average scallop revenue per vessel (\$)	Average Revenue from other species per vessel	Average total revenue per vessel (\$)	Total scallop revenue (\$)
Vessels that qualify for limited access										
Group1	369	3,883,173	224	3,351,971	14,964	61%	113,371	158,177	271,548	25,395,098
Vessels that do not qualify for limited access										
Group2	308	93,091	120	613,086	5,109	23%	39,283	345,405	384,688	4,713,964
Group3	0	0	172	1,843,638	10,719	58%	81,021	148,091	229,112	13,935,636
Group 4	0	0	81	1,442,777	17,812	87%	139,066	13,772	152,838	11,264,313
Total non-qualifiers	308	93,091	373	3,899,501						29,913,913
Grand Total										
Grand Total	677	3,976,264	597	7,251,472						55,309,011

Table 212. Vessels characteristics and percentage revenue of general participants from scallops and (2005 fishing year)

Qualification for limited access	Data	Percentage of total revenue from scallops				Grand Total
		<5%	5%-29.9%	30% to 49.9%	50% or more	
VESSELS THAT DO NOT QUALIFY FOR LIMITED ACCESS AND WERE ACTIVE IN 2005 FISHING YEAR						
GROUP 4: DID NOT HAVE A PERMIT BEFORE THE CONTROL DATE	Number of vessels	5	4		72	81
	% of total revenue from scallops	2.0%	12.1%		97.4%	87.3%
	Average GRT	23	60		61	59
	Average number of crew	2.6	3.3		3.6	3.5
	Average total revenue per vessel	98,380	84,965		160,390	152,838
	Average scallop revenue per vessel	1,540	8,557		155,866	139,066
VESSELS IN GROUP 2 AND GROUP 3: HAD A PERMIT BUT WAS NOT ACTIVE BEFORE THE CONTROL DATE, THUS DO NOT MEET 1000 LB. QUALIFICATION CRITERIA	Number of vessels	114	39	15	124	292
	% of total revenue from scallops	1.4%	13.4%	36.4%	92.2%	43.3%
	Average GRT	91	77	50	45	68
	Average number of crew	4.5	3.3	3.1	3.3	3.7
	Average total revenue per vessel	483,021	268,516	195,008	137,970	293,048
	Average scallop revenue per vessel	7,618	29,494	69,982	125,262	63,702
Total number of vessels		119	43	15	196	373
Total scallop landings		121,928	160,342	140,760	3,476,471	3,899,501
Total scallop revenue		876,159	1,184,480	1,049,737	26,754,859	29,865,235
VESSELS THAT QUALIFY FOR LIMITED ACCESS AND WERE ACTIVE IN 2005 FISHING YEAR						
HAD A PERMIT BEFORE THE CONTROL DATE AND MEET THE 1000 LB. QUALIFICATION CRITERIA DURING THE 5-YEAR QUALIFICATION PERIOD	Number of vessels	45	24	16	139	224
	% of total revenue from scallops	2.0%	14.3%	40.6%	91.3%	61.5%
	Average GRT	119	84	59	49	67
	Average number of crew	4.6	3.8	3.2	3.1	3.5
	Average total revenue per vessel	514,185	356,795	245,121	181,319	271,548
	Average scallop revenue per vessel	10,173	42,360	99,791	160,605	113,371
Total number of vessels		45	24	16	139	224
Estimated number of crew		205	92	51	437	786
Total scallop landings		55,585	133,578	206,757	2,956,051	3,351,971
Total scallop revenue		457,775	1,016,648	1,596,648	22,324,027	25,395,098
ALL GENERAL CATEGORY VESSELS THAT WERE ACTIVE IN 2005 FISHING YEAR						
Total number of vessels		164	67	31	335	597
Total scallop landings		177,513	293,920	347,517	6,432,522	7,251,472
Total scallop revenue		1,333,934	2,201,128	2,646,385	49,078,886	55,260,333

Table 213. Percentage change in total revenue of vessels qualify for limited access assuming an allocation of 2.5 million pounds to general category

Data	Decline in total revenue compared to 2005 level				Increase in total revenue compared to 2005 level		
	Decline 5% or less	Decline 5% to 25%	Decline 25% to 50%	Decline more than 50%	Increase unto 25%	Increase 25% to 50%	Increase more than 50%
Number of vessels	26	30	40	57	33	10	28
Number of years active	3.5	3.1	2.5	1.9	3.0	4.3	3.4
% of revenue from scallops	9%	59%	81%	92%	18%	51%	76%
Average % change in total revenue compared with 2005	-2%	-16%	-39%	-71%	4%	40%	1634%
Best year scallop landings per vessel	3,212	15,633	20,998	10,470	6,643	21,807	14,673
Average allocation at a TAC of 2.5 million pounds	2,369	10,521	13,313	5,947	4,618	16,098	10,680
Average scallop landings per vessel in 2005 fish year	3,750	15,490	26,812	24,557	3,791	9,043	3,645
Reduction in scallop landings compared to best year	-28%	-32%	-37%	-42%	-33%	-23%	-30%
Reduction in scallop landings compared to 2005	-40%	-38%	-52%	-78%	292%	172%	2154%
Average crew	5	3	3	3	4	3	3
Scallop revenue per vessel in 2005	30,054	111,684	206,318	185,579	28,793	70,661	27,702
Average total revenue per vessel in 2005	603,413	257,924	266,485	201,110	382,955	142,849	43,269
Average GRT	139	72	57	48	85	39	48
Maximum landings per vessel in 2005-06 fish years	6,721	17,590	27,395	25,488	6,110	14,652	5,765
Total best year scallop landings	83,522	468,986	839,927	596,775	219,231	218,066	410,846
% share of the group in best year landings	2%	12%	22%	16%	6%	6%	11%
Total scallop landings in 2005 fish year	97,487	464,687	1,072,480	1,399,721	125,103	90,427	102,066
% share of the group in total scallop landings in 2005	3%	14%	32%	42%	4%	3%	3%

Table 214. The best year landings and allocation for qualifying vessels that were not active in 2005 fish year.

Data	NOT ACTIVE IN 2005
Number of vessels	145
Number of years active	2.0
Best year scallop landings per vessel	6,965
Average allocation at a TAC of 2.5 million pounds	4,406
Reduction in scallop landings compared to best year	-41%
Average Crew	2.1
Average f GRT	48
Total best year scallop landings	1,009,911
% share of the group in best year landings	26%

7.9.7 Summary of the economic impacts of the individual measures

Economic impacts of limited entry:

- Rationale is provided in Section 3.1.2.
- The impacts of limited entry combined with various qualification criteria and time period alternatives are analyzed in Section 5.4.3 and the impacts of limited access combined with a general category TAC are analyzed in Section 5.4.5.
- **Summary of the impacts of the proposed option and mitigating factors:**
- Limited access will reduce the risks of overfishing of the scallop resource by preventing new entry to the general category fishery. It will restrict the number of participants in this fishery to vessels that meet the poundage qualification criteria within a qualification time period. As a result, limited access would prevent the profits of the qualifiers and limited access vessels from dissipating due to increase in capacity. On the other hand, limited entry will have negative impacts on those general category vessels that do not qualify for general category access either because they obtained their permit after the control date or because they do not meet the poundage and time period criteria for qualification. The positive economic impacts of limited entry on the qualifiers and on the limited access scallop fishery over the long-term are expected to exceed, however, the negative short-term impacts on the non-qualifiers and on some qualifiers. As a result, overall economic impacts of the limited entry are expected to be positive for the sea scallop fishery compared to taking no action.
- **Comparison of the impacts of the alternative options:** Only alternative option is no action with opposite impacts to limited entry. Under no action there are no limits on the number of trips a vessel could take and no limits on the number of vessels able to participate in the general category fishery. As a result, total fishing effort in general category fishery could increase in response to higher scallop prices, to an increase in resource productivity, or to changes in fishing opportunities in other fisheries. This could cause scallop mortality to exceed sustainable levels, reducing the stock biomass, the future yield, and revenues from the scallop resource. Consequently, no action could have negative impacts on both the limited access and the general category vessels as scallop catch per day-at-sea declines and fishing costs per pound of scallops increase.

Table 215. Number of qualifying general category vessels and estimated landings based on an individual allocation system and best year of landings during the specified time period.

Time period (Up to the control date)	Qualification Criteria	Number of vessels that were active and qualify for limited access	Average Best year landings per vessel (lb.)	Total best year scallop landings (lb)	2005 fish year	
					Number of active General category vessels	General category revenue as % of total revenue
11 years 4777 unique general category permits, 924 active vessels	100 lb. Criteria	705	6,084	4,289,220	318	50%
	1000 lb. Criteria	459	9,124	4,187,916	234	60%
	5000 lb. Criteria	203	17,757	3,604,671	131	80%
5 years 3562 unique general category permits, 677 active vessels	Stand-alone ITQ	677	5,872	3,975,344	344	48%
	100 lb. Criteria	548	7,232	3,963,136	301	51%
	1000 lb. Criteria	369	10,524	3,883,356	224	61%
	5000 lb. Criteria	188	18,475	3,473,300	130	80%
2 years 2876 unique general category permits, 482 active vessels	100 lb. Criteria	399	7,443	2,969,757	270	53%
	1000 lb. Criteria	277	10,518	2,913,486	201	62%
	5000 lb. Criteria	143	18,245	2,609,035	114	81%

Economic impacts of qualification criteria:

- Rationale is provided in Executive Summary and in Section 3.1.2.1.2.
- Economic impacts of qualification criteria including permit before the control data on general category vessels are analyzed in several sub-sections of Section 5.4. The impacts on the general category permit holders and vessels that qualify for limited access are analyzed in Section 5.4.3. The impacts on revenues, fishing costs, average net revenues, crew and vessel shares are analyzed in Section 5.4.5 for various levels of general category TAC. The impacts of 1000 lb. qualification criteria and other alternatives on recent participants of general category fishery are analyzed in Section 5.4.6.
- **Summary of the impacts of the proposed option and mitigating factors:** The proposed qualification criteria will restrict the number of participants in the general category fishery to 369 vessels that had a permit before the control date and have landed at least 1000 lb. of scallops in their best year during the 5-year qualification period (Table 215). The proposed qualification criteria will allow many vessels with varying rates of participation to qualify for limited access, yet it will prevent spreading allocations among too many vessels. Proposed will have positive economic impacts on these vessels that qualify for limited access over the long-term. It will protect the profits of qualifiers from declining due to new entry especially during favorable times when scallop productivity and/or prices are high. The proposed limited entry program will have negative economic impacts on vessels that entered the fishery after the control date on vessels that had a permit before the control date but participated in the fishery only after the control date as well as on vessels that do not meet the 1000 pounds qualification criteria. The overall long-term economic impacts of the limited entry will be positive. The short-term and long-term economic impacts of the qualification criteria and the mitigating measures are discussed extensively in the Section 7.9.6 above (Summary of the proposed measures) and will not be repeated here.

- Comparison of the impacts of the alternative options:** The alternative 100 lb. criteria would qualify more vessels (548) for limited access and have a lower negative impact on the recent participants (Table 120). On the other hand, this alternative would result in a lower share of general category TAC for each qualifier and will thus have a negative impact especially on vessels that have a higher dependence on scallop revenue as a source of income. For example, average allocation per vessel would decline from 5,429 lb. to 3,650 lb. per vessel if the poundage criterion was set at 100 lb. instead of at 1000 lb. for a general category TAC of 2 million pounds. The alternative 5000 lb. poundage criteria would qualify only 188 vessels for limited access for 5-year qualification period and thus would increase the share of each qualifier in general category TAC. As a result, average allocation per vessel would increase 10,638 lb. with a 2 million general category TAC. Although this alternative would have positive economic impacts on the vessels that higher dependence on scallops as a source of their income, it will prohibit access to a many boats that derive some supplementary income from scallop fishery. The proposed 1000 lb. alternative on the other hand will prohibit access to a large number of boats that have small landings of scallops (landed between 100 and 999 lb.) while providing access to vessels that depend on scallops either as a supplementary and /or as main source of income.

Economic impacts of 5-year qualification time period

- Rationale is provided in Executive Summary and in Section 3.1.2.2.2.
- Economic impacts of qualification period combined with the qualification criteria are analyzed in several sub-sections of Section 5.4. Combined economic impacts of qualification period and qualification criteria on general category vessels are analyzed in several sub-sections of Section 5.4. The impacts on the general category permit holders and vessels that qualify for limited access are analyzed in Section 5.4.3. The impacts on revenues, fishing costs, average net revenues, crew and vessel shares are analyzed in Section 5.4.5 for various levels of general category TAC. The impacts of 5-year lb. qualification period and other alternatives on recent participants of general category fishery are analyzed in Section 5.4.6.
- Summary of the impacts of the proposed option and mitigating factors:** The proposed 5-year qualification period for limited access combined with 1000 lb. is expected to have positive economic impacts in the long-term on these vessels that qualify for limited access. It will provide access to those general category vessels that were active in the fishery in the recent years as well as to some historical participants that were active in the general category fishery during 2000 – 2004 fishing years up to the control date. For example, with the proposed 1000 lb. poundage criteria, 5-year qualification period would provide access to 369 vessels but would prohibit access to 90 vessels that meet the 1000 lb. criteria for their activity during 1994-1999 fishing years. The economic impacts on these early participants of the general category fishery will be negative in terms of a loss in future potential revenue from scallops unless they buy access general category permit from a vessel that qualify for limited access. The proposed 5-year qualification period will not have any impact on the current income of most of these vessels, however, given that most were not active since 2000 fishing year and only a few (about 10 vessels that would qualify with 1000 lb. and 11 year period) have participated in the fishery after the control date. There are also some measures included

in the proposed action that could mitigate some of these adverse economic impacts, however. Since these vessels had a permit before the control date, they could obtain an incidental catch permit and land up to 40 pounds per trip, thus still earn some revenue from scallops. Some other vessels could also obtain an NGOM permit and participate in the NGOM fishery when the scallop resource conditions in this area improves --subject to a possession limit of 200 pounds per trip and a hard-TAC. These measures could mitigate the negative impacts on those vessels that fish scallops as a bycatch or have a seasonal participation in the general fishery.

- **Comparison of the impacts of the alternative options:** The 2-year period alternative will restrict the limited access to only recent 277 general category vessels that have landed 1000 lb. or more scallops, instead of 369 vessels with 5-year period qualification. Although this alternative will result in a larger share per vessel qualified for limited access, it will be inequitable to those historical participants that did not fish for scallops in 2003-2004. The 11-year qualification period would result in more vessels that were not active recently to qualify for limited access. For example, only 234 vessels out of 459 qualifiers with 11 year and 1000 lb. qualification criteria participated in the fishery in 2005 fishing year. Because the general category TAC will be divided among a larger number of vessels, many of which were not active in the fishery, the vessels that depend on scallops will receive a smaller share than they would with the proposed 5-year qualification period. This would have negative economic impacts on the vessels that depend on scallops as a significant source of supplemental and/or main income.

Economic impacts of contribution factor (qualification amount)

- Rationale is provided in Executive Summary and in Section 3.1.2.3.2.
- Economic Impacts are analyzed in Section 5.4.7.1 – 5.4.7.2.
- **Summary of the impacts of the proposed option and mitigating factors:** According to the proposed action (Option B of 3.1.2.3.2) each vessel's contribution factor will be determined by multiplying its best year landings by an index that varies with number of "years active" (Option B: 25%). Therefore, the proposed action will allocate more pounds to those vessels that were active in the fishery for a longer period of time and will reduce the share of those participated in the fishery for only a few years (116 vessels that were active for the fishery for only a year and 93 vessels that were active only for 2 years, Table 127). As a result, the economic impacts of the proposed action will be positive on those vessels that had a continued reliance on general category fishery as source of income. There were 43 vessels that were active for 4 years and 47 vessels that were active for 5 years that qualify for limited access with the proposed 1000 lb. criteria and 5-year qualification period (Table 127). The proposed action will have negative economic impacts on those vessels (116 out of 369 that were active only for one year and 93 vessels with two years of activity), however, with more transient activity in the general category fishery. Given that the Amendment 11 proposes to restrict general category scallop landings to 5% of the overall scallop harvest much below than the recent share of general category fishery in scallop landings (about 14% in 2005 and 12% in 2006), the best-year indexed alternative will help to reduce the negative impacts on those participants with an established history and long-term investment in scallop fishing.

- **Comparison of the impacts of the alternative options:** The alternatives to the proposed option would have distributional economic impacts less favorable to the vessels that were active in the fishery for many years. The alternative allocation based on based year (3.1.2.3.1) would have negative (positive) economic impacts on those vessels that had a longer (shorter) history of participation since allocation amounts would be determined regardless of years active. The alternative option A would assign a weight to years of activity but less than that of the proposed option B. Putting a cap on a vessel's contribution factor would prevent a vessel getting a larger share of the fishery due to data mistakes in its historical landings or large volume of activity in the fishery. The prequalification procedure that will set maximum landing from a trip at 400 lb. is expected reduce the negative impacts of data inaccuracies, however. The proposed permit stacking and percentage ownership restrictions (3.1.2.5) will also help to reduce a few vessels or owners acquiring a disproportionate share of the general category fishery.

Economic impacts of allocation of access for general category limited access qualifiers

- Rationale is provided in Executive Summary and in Section 3.1.2.4.1.
- Economic Impacts are analyzed in Section 5.4.8.
- **Summary of the impacts of the proposed option and mitigating factors:** The proposed action will allocate pounds (IQ) to each vessel based on its contribution factor (weighted by years active) and general category TAC. The allocation of individual fishing quotas (IQ) will eliminate the need for race-to-fish that occurs with a TAC management only fishery. Since an individual quota assures that each qualifier can land a given quantity anytime during the fishing season, the vessels will have the flexibility to select the time and the area to fish in order to minimize their costs and/or maximize their revenues. Since the fishing effort will be spread over a longer period of time, the price of scallops will be more stable throughout the season. This combined with the availability of a fresh and/or higher quality scallops over a longer season, will benefit consumers as well as producers. Therefore, the proposed allocation alternative will have positive economic impacts on the vessels that qualify for limited access general category fishery. Although maintaining the 400 pound possession limit will cause some inefficiencies and result in higher costs compared to a higher possession limit (alternative 2000 pounds per trip), this provision will help preserve the historical small-boat character of this fleet and allow the catch to be more effectively monitored.
- **Comparison of the impacts of the alternative options:** The individual alternative allocation in trips has an advantage over quota allocation in terms of monitoring and enforcement, but could result in either reduced revenue or increased costs for vessels that usually land less than 400 lb. of scallops from their trips. The alternative with two permit categories would have negative economic impacts on vessels that landed less than 5000 lb. thus would receive a part-time permit and would be restricted to a 200 pound possession limit under this option (3.1.2.4.2). The three-tiered allocation alternative would allocate equal pounds to each vessel within each tier (3.1.2.4.3) and would have negative impacts on vessels that landed larger than the average of the group that were placed in. Stand alone ITQ alternative (3.1.2.4.4) would allocate an individual quota to a larger number of vessels, but would have negative distributional impacts on vessels that have a higher dependence on general category fishery. Instead of individual allocation, managing general category fishery by a hard TAC (3.1.2.4.6) under limited entry could

lead to a race to fish and market gluts, which could have negative economic impacts especially on smaller vessels that fish seasonally and cannot access all areas due to the constraints on their capacity. A quarterly hard TAC with limited access (3.1.2.4.5.) or fleet-wide hard TAC by trimester (3.1.2.4.7, Option B) or by quarter (3.1.2.4.7, Option A) will spread out the fishing season and reduce negative impacts from derby fishing and market gluts to some extent. These alternatives would have larger negative distributional impacts on some vessels compared to the proposed individual allocation system as compared to others as analyzed in Section 5.4.8.

Economic impacts of limited entry permit provisions 3.1.2.5

- Rationale is provided in Executive Summary and in Section 3.1.2.5
- Economic Impacts are analyzed in Section 5.4.9.
- **Summary of the impacts of the proposed option and mitigating factors:** Fishing History and Permit Transfers (3.1.2.5.1) are intended set the rules for determining eligibility for limited access and for appeals for all vessels to follow in case of denial of permit (based on the consistency amendment). These measures will indirectly benefit all participants by ensuring that only those vessels that provide verification of permit and landings history will qualify and receive allocation based on accurate records. The proposed regulations regarding the qualification and retention of permits (3.1.2.5.1.2) would have positive economic impacts on participants that sold their vessel to another but retained the fishing history and also on buyers of general category permit that qualify under their own landings. The proposed action will allow a vessel to increase its fishing power without any restriction providing flexibility for the vessels to adjust their fishing power to changing circumstances and to lower fishing costs. Since the vessels will be allocated individual pounds, this regulation is not expected to impact the total scallop landings or provide an unfair advantage to larger vessels. The proposed action (3.1.2.5.4.4) will allow a vessel to stack up to 2% of the total general category allocation per vessel. This will help vessels to maintain an economically viable operation if the allocations for separate vessels is too low to generate revenue to cover variable and fixed expenses. This measure combined with the 5% ownership restriction (3.1.2.5.8) will also prevent a few individuals or corporations from dominating the fishery and will help to redistribute gains from the limited access more equitably among more fishermen. Voluntary Relinquishment of Eligibility (3.1.2.5.5) and Permit Splitting (3.1.2.5.6) provisions are expected to have positive economic impacts on the sea scallop fishery as a whole by reducing and/or preventing an increase in capacity in the general category fishery. Permit renewals and confirmation of permit history provisions (3.1.2.5.7) would enable vessel owners that qualify for limited access to retain their fishing history and to transfer it to a replacement vessel in the future with positive economic impacts.
- **Comparison of the impacts of the alternative options:** The alternatives to the proposed action for fishing history and permit transfers (one vessel can only qualify for one permit), upgrading restrictions (10:10:20 upgrade restriction), permit stacking (no permit stacking, up to 2 permits, or a maximum of 60,000 lb. of general category allocation), percentage ownership restriction (less than 5%) will provide less flexibility for vessels with reduced economic benefits. There are no alternatives for voluntary relinquishment of eligibility, permit splitting, permit renewals and confirmation of permit history provisions.

Economic impacts of measures for vessels that fish for scallops with trawl gear

- Rationale is provided in Executive Summary and in Section 3.1.2.6.
- Economic Impacts are analyzed in Section 5.4.10.
- **Summary of the impacts of the proposed option and mitigating factors:** The no action alternative proposed by this amendment will have positive economic impacts on vessels that qualify for limited access and use trawl gear to fish for scallops compared to the alternative options that impose restrictions for fishing with trawl gear.
- **Comparison of the impacts of the alternative options:** The alternative options that either prohibit a vessel from switching to trawl gear (3.1.2.6.2) or lower possession limit for vessel that fish with trawl gear (3.1.2.6.3), or limit scallop pounds to 5% of total weight per trip (3.1.2.6.4) will have negative economic impacts on those general category vessels that use a combination of dredge and trawl to catch scallops or their scallop landings per trip exceed 200 pounds or more 5% of the total weight per trip.

Economic impacts of sectors and harvesting cooperatives

- Rationale is provided in Executive Summary and in Section 3.1.2.7.2.
- Economic Impacts are analyzed in Section 5.4.11.
- **Summary of the impacts of the proposed option and mitigating factors:** The proposed action to establish a process for sectors in the general category fishery will provide an opportunity for fishermen to form or join harvesting cooperatives and benefit from an economically viable operation when the allocations of individual vessels are too small to make scallop fishing profitable.
- **Comparison of the impacts of the alternative options:** Only alternative is “no action” which does not establish a process for sector allocations.

Economic impacts of interim measures for transition period to limited entry

- Rationale is provided in Executive Summary and in Section 3.1.2.8.1.
- Economic Impacts are analyzed in Section 5.4.12.
- **Summary of the impacts of the proposed option and mitigating factors:** The proposed interim alternative will help to prevent a short-term increase in overfishing of the scallop resource by limiting the general category landings at 10% of the total scallop landings until the limited access program is fully implemented. As a result, the proposed action will prevent a decline in scallop yield and revenue due to an expansion in the general category export. It will also prevent a decrease in limited access allocations compared to status quo levels to compensate for an increase in general category effort. The interim 10% TAC will also benefit the participants of the general category fishery by providing some adjustment time for the general category vessels until the transition period is over. The allocation amounts for many general category vessels will likely be lower with the proposed 5% TAC for the general category fishery than the amount of scallops these vessels were landing recently. Although management of general category fishery by a hard TAC during the transition period would create some derby style fishing, the division of the total hard TAC into quarterly TACs will reduce race to fish to some extent and lessen the negative economic impacts associated with derby fishing (discussed in Sections 5.4.8.5, 5.4.8.6 and 5.4.13). In addition, a 10% hard TAC may not constitute a significant constraint on recent landings given that only those vessels that qualify for

limited entry will access the general category fishery and that general category scallop landings by those vessels that had a permit before the control date was around 11% of total landings in 2005.

- **Comparison of the impacts of the alternative options:** The annual hard TAC option would increase derby style fishing with negative economic impacts on the participants of the general category fishery. The transition to limited entry without a hard TAC (3.1.8.2) would eliminate the incentives for derby style fishing and if the participation by general category vessels that had a permit before the control date does not increase significantly above the recent levels, the economic impacts of this alternative compared to the status quo would be negligible. On the other hand, it is possible for the number of appeals to be greater than the number of vessels that fished during the recent years, thus for more vessels to participate in the fishery. If this happens and the general category scallop landings increase above 10% of total scallop harvest, then there would be a short-term increase in overfishing of the scallop resource resulting in either lower allocations for the limited access vessels or in a reduction of landings, revenues and economic benefits from the scallop fishery.

Economic Impacts of Northern Gulf of Maine (NGOM) Scallop Management Area (Section 3.1.4)

- Rationale is provided in Executive Summary and in Section 3.1.4.4.
- Economic Impacts are analyzed in Section 5.4.14.4.
- **Summary of the impacts of the proposed option and mitigating factors:** The proposed alternative (3.1.4.4) will have positive economic impacts on a larger number of vessels that are not qualified for limited access but qualify for an NGOM permit since these vessels will have an opportunity to land scallops in this area when the resource conditions are favorable. It would also reduce the possession limit for all vessels to 200 pounds per trip to reduce incentives for larger vessels targeting scallops in this area. Although lowering possession limit will have negative economic impacts on some vessels, majority of the active vessels that would qualify for NGOM (but not for limited access) general category permit landed 200 lb. or less of scallops from any one trip, therefore will not be negatively impacted from 200 lb. possession limit.
- **Comparison of the impacts of the alternative options:** No action alternative would have negative economic impacts for general category vessels that could not establish a scallop landings history especially in the recent years due to the poor scallop resource conditions in NGOM. With alternative 3.1.4.2, Amendment 11 provisions would not apply to NGOM and the general category vessels will retain the opportunity to fish for scallops in NGOM when there is an improvement in the scallop resource in this area. As a result, the economic impacts on these vessels will be positive. On the other had, because this alternative will let any general category fishermen regardless of their homeport to land scallops in this area, it could lead to an influx of vessels from other areas to participate in the open access fishery of NGOM with negative impacts on the general category fishermen that traditionally fished in this area. Alternative 3.1.4.3 is would qualify a smaller number of vessels for NGOM program due to the 100 lb. trip criteria , thus would benefit a smaller number of vessels. This alternative would also provide an advantage to limited access general category vessels by allowing them to land

400 pounds per trip from this area whereas the traditional participants with NGOM permit could fish only up to 200 pounds per trip.

Economic Impacts of Monitoring Provisions (Section 3.1.5)

- Rationale is provided in Executive Summary and in Section 3.1.5.2.
- Economic Impacts are analyzed in Section 5.4.15.
- **Summary of the impacts of the proposed option and mitigating factors:** Reporting landings through VMS as proposed by this amendment will have positive indirect economic benefits for the sea scallop fishery by improving the monitoring of the fishing effort in the general category fishery and ensuring better compliance with the regulations. Since general category vessels that land over 40 lb. are already required to have a VMS onboard, the compliance costs of this action are not expected to be significant.
- **Comparison of the impacts of the alternative options:** The no action and Interactive Voice Reporting (IVR) alternatives does not have advantages associated with VMS reporting such as providing the real time and location information. As a result, proposed action is expected to have greater indirect economic benefits for the sea scallop industry compared to these alternatives.

Impacts of limited access fishing under general category rules

- Rationale is provided in Executive Summary and in Section 3.1.6.1.
- Economic Impacts are analyzed in Section 5.4.16.1.
- **Summary of the impacts of the proposed option and mitigating factors:** The proposed action will have positive economic impacts on 57 limited access vessels (38 full-time and 19 part-time and occasional) that would qualify for general category limited access program under the same criteria as general category vessel (1000 lb. and 5-year period for qualification).
- **Comparison of the impacts of the alternative options:** Alternative 3.1.6.1.4 would prevent any limited access vessel from having a general category permit and alternative 3.1.6.1.3 would prevent full-time vessels from fishing under general category rules with negative economic impacts on these vessels that normally participate in the general category fishery.

Impacts of allocation of quota for limited access fishing under general category rules

- Rationale is provided in Executive Summary and in Section 3.1.6.2.
- Economic Impacts are analyzed in Section 5.4.16.2.
- **Summary of the impacts of the proposed option and mitigating factors:** Proposed action would provide a separate 0.5% allocation of total scallop harvest to limited access vessels that qualify under general category rules without reducing the allocations for the general category vessels. As a result, this action will have positive economic impacts on those vessels. The 0.5% TAC for the limited access qualifiers is less than the percentage share of these vessels in total general category scallop landings in recent years but almost equal to what has been observed at the time of the control date in 2004 fishing year. Under the status quo (without the 0.5% TAC restriction), these vessels would could have landed more scallops with the general category trips, but then any increase in general category effort would be taken out of the limited access DAS allocations. This would

have negative economic impacts on limited access vessels that do not fish for scallops under general category rules.

- **Comparison of the impacts of the alternative options:** Under alternative 3.1.6.2.1, scallops landed by limited access vessels under general category rules would be deducted from the 5% TAC awarded to the general category fleet, negatively impacting the general category vessels that qualify for limited access, with small positive economic impacts on the limited access scallop fleet.

Impacts of allocation between limited access and general category fisheries (section 3.1.7)

- Rationale is provided in Executive Summary and in Section 3.1.7.2.
- Economic Impacts are analyzed in Section 5.4.17.
- **Summary of the impacts of the proposed option and mitigating factors:** The proposed allocation between limited access and general category will have different distributional impacts on the vessels that participate in these fisheries. The proposed 5% general category TAC will have negative economic impacts on many general category vessels (compared to status quo management) given that the percentage share of this fishery in total scallop landings in the years after the control date was over twice that level (2005 and 2006). On the other hand, 5% TAC is above the long-term average percentage landings by this fishery (about 2.5%) and corresponds to the highest level reached by the general category fishery before the control date (5.26% in 2004 fishing year). Therefore, this allocation is consistent with the Council's decision in 2004 to implement a control date recognizing that that the substantial increase in general category fishing effort could lead to overfishing of the scallop resource and reduce economic benefits for everyone. The short-term and long-term economic impacts of the 5% TAC combined with the limited entry program are discussed extensively in the Section 7.9.6 above (Summary of the proposed measures) and will not be repeated here. There will be no change in the allocation of yellowtail flounder bycatch TAC in access under the proposed action (See Section 5.4.17.5 for a discussion of impacts).

The proposed action includes several measures that could mitigate some of the adverse economic impacts of the limited access program for general category including the 5% TAC. The separate limited entry program for the NGOM is expected provide an opportunity to a larger number of vessels that are not qualified for limited access but have historically participated in the NGOM scallop fishery to fish for scallops at a reduced scale (at a lower possession limit of 200 lb. per trip) when the resource conditions in this area become favorable. The incidental catch permit will provide opportunity for the vessels that land scallops occasionally or as a bycatch to land up to 40 pounds per trip. This measure could also benefit some vessels that qualify for limited access but received allocation pounds lower than they could land with the incidental permit. Furthermore, Amendment 11 includes a provision to allow limited stacking so that vessels that do not receive an adequate allocation can buy or lease additional quota to make up revenue lost if that vessel was very dependent on the general category scallop fishery in the past. Similarly, the proposed action to establish a process for sectors in the general category fishery will provide an opportunity for fishermen to form or join harvesting cooperatives and benefit from an economically viable operation when the allocations of individual vessels are too small to make scallop fishing profitable.

- **Comparison of the impacts of the alternative options:** A lower TAC for general category would have larger negative proportional impacts on general category vessels while potentially increasing the revenues of the limited access fishery by a small percentage. A higher percentage TAC will reduce the negative impacts on general category vessels, but will lower the positive economic impacts on the limited access vessels compared to a level of 11% (see Table 74).

Impacts of incidental catch permit (3.1.8)

- Rationale is provided in Executive Summary and in Section 3.1.8.2.
- Economic Impacts are analyzed in Section 5.4.18
- **Summary of the impacts of the proposed option and mitigating factors:** Proposed action would create an incidental catch permit for vessels to retain and sell 40 lbs. of scallop meat per trip if they meet the qualification criteria for having been issued a permit but not the landing criteria necessary for limited access general category permit. The economic impacts of this alternative will be positive on vessels that do not qualify for limited access because it will allow them to still earn some income from scallops under the incidental catch permit. This measure could also benefit some vessels that qualify for limited access but the allocation pounds they received are lower than what they could land with the incidental permit.
- **Comparison of the impacts of the alternative options:** Only alternative is the no action, which continues the allowance but not sale of incidental bycatch of scallops up to 40 lbs (3.1.8.1).

Impacts of changing the issuance date of general category permits

- Rationale is provided in Executive Summary and in Section 3.2.2.
- Economic Impacts are analyzed in Section 5.4.19.
- **Summary of the impacts of the proposed option and mitigating factors:** Changing the general category permit to March 1 could create some complications for the general category vessels, many of whom participate in other fisheries, which have the May 1 start date. The proposed measure will allow, however, better estimation of the number of participants, the level of effort in the fishery and allocation of TAC by aligning the issuance date with date for the limited access fishery. As a result, the proposed action will have indirect positive economic impacts on the sea scallop fishery.
- **Comparison of the impacts of the alternative options:** The alternatives to change the fishing year to May 1 (3.2.3) or to August 1 (3.2.4) would have some positive impacts over the long-term by aligning the fishing year with the scallop survey. On the other hand, these alternatives would require a change in the business plans of the scallop fishermen and create some risks if plans do not materialize due to unforeseen conditions, increasing the compliance costs for the vessels.

Impacts of other measures (3.3)

- Rationale is provided in Executive Summary and in Section 3.3.
- Economic Impacts are analyzed in Section 5.4.20 and 5.4.21.
- **Summary of the impacts of the proposed option and mitigating factors:** Clarification of trawl gear restriction (3.3.1) for vessels fishing under a multispecies or monkfish DAS will have positive economic impacts on those general category vessels

that catch scallops only incidentally compared to no action. Setting the possession limit to 100 bushels east of the demarcation line (3.3.2) will have positive economic impacts on the general category vessels that are able to shuck before they reach the demarcation line.

- **Comparison of the impacts of the alternative options:** The only alternative is the no action, which does not provide the benefits of the proposed action.

7.9.8 Indirectly affected industries

Indirect impacts include the impacts on the sales, income, employment and value-added of industries that supply commercial harvesters, such as the impacts on marine service stations that sell gasoline and oil to scallop vessels. The induced impacts represent the sales, income and employment resulting from expenditures by crew and employees of the indirect sectors. Although the proposed action will have different distributional impacts on the participants of the scallop fishery, it is not expected to lower overall scallop fleet landings and revenues. In the short-term, the negative economic impacts on the general category vessels will be counterbalanced by the positive impacts on the limited access fishery and on positive economic impacts on some general category vessels that qualify for limited access. Because it will prevent further expansion of general category fishery and overfishing of the scallop resource from further increase in general category fishing, it will have positive impacts on scallop yield, productivity fleet costs and revenues compared to no action. Therefore, the indirect and induced impacts of the proposed measures are expected to be positive.

7.9.9 Identification on Overlapping Regulations

The proposed regulations do not create overlapping regulations with any state regulations or other federal laws.

7.10 E.O. 13132 (FEDERALISM)

This amendment does not contain policies with federalism implications warranting preparation of a federalism assessment under EO 13132.

7.11 E.O. 12898 (ENVIRONMENTAL JUSTICE)

The alternatives in this amendment are not expected to cause disproportionately high and adverse human health, environmental or economic effects on minority populations, low-income populations, or Indian tribes.

8.0 LIST OF PUBLIC MEETINGS

The Council has had public opportunity for comment on development of Amendment 11 at over 30 public meetings since February 2006. These meetings have been held in various locations in the Northeast and have included Council meeting, Scallop Committee meeting, advisory panel meetings and Scallop Plan Development Team meetings. Meeting summaries and relevant motions for Amendment 11 for most of these meetings are accessible from the New England Fishery Management Council website at www.nefmc.org.

Table 216 – List of public meetings the Council held related to development of Amendment 11

DATE	MEETING	LOCATION
February 2, 2006	Council Meeting	Portland, ME
February 21, 2006	Scoping Meeting	Cape May, NJ
February 22, 2006	Scoping Meeting	Portsmouth, NH
February 23, 2006	Scoping Meeting	Hyannis, MA
March 16, 2006	Scallop Plan Development Team	Gloucester, MA
March 21, 2006	Scallop Advisory Panel	Boston, MA
March 22, 2006	General Category Scallop Advisory Panel	Boston, MA
March 31, 2006	Scallop Committee	Warwick, RI
April 5, 2006	Council Meeting	Mystic, CT
May 2, 2006	General Category Scallop Advisory Panel	Warwick, RI
May 3, 2006	Joint Scallop and General Category Scallop Advisory Panels	Warwick, RI
May 8, 2006	Scallop Plan Development Team	Falmouth, MA
May 16, 2006	Scallop Committee	Plymouth, MA
June 14, 2006	Council Meeting	Newport, RI
July 13, 2006	Scallop Plan Development Team	Marlborough, MA
July 31, 2006	Scallop Committee	Revere, MA
September 6, 2006	Scallop Plan Development Team	Falmouth, MA
September 13, 2006	Scallop Committee	Taunton, MA
September 27, 2006	Council Meeting	Peabody, MA
October 25, 2006	Scallop Plan Development Team	Falmouth, MA
January 4, 2007	Scallop Plan Development Team	Falmouth, MA
January 19, 2007	Scallop Committee	Providence, RI
February 7, 2007	Council Meeting	Portsmouth, NH
March 1, 2007	Scallop Plan Development Team	Gloucester, MA
March 19, 2007	Joint Scallop and General Category Scallop Advisory Panels	Warwick, RI
March 20, 2007	Scallop Committee	Warwick, RI
April 11, 2007	Council Meeting	Mystic, CT
May 16, 2007	DSEIS Public Hearing	Hyannis, MA
May 17, 2007	DSEIS Public Hearing	Fairhaven, MA

May 21, 2007	DSEIS Public Hearing	Ellsworth, ME
May 22, 2007	DSEIS Public Hearing	Durham, NH
May 29, 2007	DSEIS Public Hearing	Newport News, VA
May 30, 2007	DSEIS Public Hearing	Manahawkin, NJ
June 6, 2007	Scallop Committee	Plymouth, MA
June 20, 2007	Council Meeting	Portland, ME

9.0 REFERENCES

- Abernathy, A., editor. 1989. Description of the Mid-Atlantic environment. U.S. Dep. Interior, Minerals Manage. Ser., Herndon, VA. 167 p. + appendices.
- Almeida, F., T. Sheehan, and R. Smolowitz. 1994. Atlantic sea scallop, *Placopecten magellanicus*, maturation on Georges Bank during 1993. NEFSC Ref. Doc. 94-13.
- Auster, P.J. 2002. Representation of biological diversity of the Gulf of Maine region at Stellwagen Bank National Marine Sanctuary (Northwest Atlantic): patterns of fish diversity and assemblage composition. In: Bondrup-Nielson, S., Herman, T., Munro, N.W.P., Nelson, G., Willison, J.H.M., editors. Managing protected areas in a changing world. Science and Management of Protected Areas Association, Wolfville, Nova Scotia. p. 1096-1125.
- Auster, P.J., K. Joy, and P.C. Valentine. 2001. Fish species and community distributions as proxies for seafloor habitat distributions: the Stellwagen Bank National Marine Sanctuary example (Northwest Atlantic, Gulf of Maine). Environ. Biol. Fishes 60: 331-346.
- Auster, P.J. 1998. A conceptual model of the impacts of fishing gear on the integrity of fish habitats. Conserv. Biol. 12: 1198-1203.
- Auster, P.J. and R.W. Langton. 1999. The effects of fishing on fish habitat. In: Benaka, L., editor. Fish habitat: essential fish habitat and rehabilitation. Am. Fish. Soc. Symp. 22., Bethesda, MD. p. 150-187.
- Backus, R.H. 1987. Georges Bank. Cambridge, MA: Massachusetts Inst. Tech. Press. 593 p.
- Beardsley, R.C., B. Butman, W.R. Geyer, and P. Smith. 1996. Physical oceanography of the Gulf of Maine: an update. In: Wallace, G.T, Braasch, E.F., editors. Proceedings of the Gulf of Maine ecosystem dynamics scientific symposium and workshop. Reg. Assn. for Res. on the Gulf of Maine (RARGOM), Rep. 97-1. p. 39-52.
- Boesch, D.F. 1979. Benthic ecological studies: macrobenthos. Chapter 6 in: Middle Atlantic outer continental shelf environmental studies. Conducted by Virginia Inst. Mar. Stud. under contract AA550-CT6062 with U.S. Dep. Interior, Bur. Land Manage. 301 p.
- Bourne, N. 1964. Scallops and the offshore fishery of the Maritimes. *Bull. Fish. Res. Bd. Canada*. No. 145, 60p.

Braun-McNeill, J., and S.P. Epperly. 2004. Spatial and temporal distribution of sea turtles in the western North Atlantic and the U.S. Gulf of Mexico from Marine Recreational Fishery Statistics Survey (MRFSS). *Mar. Fish. Rev.* 64(4):50-56.

Brooks, D.A. 1996. Physical oceanography of the shelf and slope seas from Cape Hatteras to Georges Bank: a brief overview. In: Sherman, K., Jaworski, N.A., Smayda, T.J., editors. *The northeast shelf ecosystem – assessment, sustainability, and management*. Cambridge, MA: Blackwell Science. p. 47-75.

Brown, B. 1993. A classification system of marine and estuarine habitats in Maine: an ecosystem approach to habitats. Part I: Benthic habitats. *Maine Nat. Areas Prog., Dep. of Econ. Community Development*. Augusta, ME. 51 p. + 1 appendix.

Caddy, J.F. 1968. Underwater observations on scallop (*Placopecten magellanicus*) behavior and drag efficiency. *J. Fish. Res. Bd. Canada*. 25(10): 2123-2141.

Cahoon, L.B. 1999. The role of benthic microalgae in neritic ecosystems. *Oceanogr. Mar. Biol. Ann. Rev.* 37: 47-86.

Colvocoresses, J.A. and J.A. Musick. 1984. Species associations and community composition of Middle Atlantic Bight continental shelf demersal fishes. *Fish. Bull. (U.S.)* 82: 295-313.

Conkling, P.W., ed. 1995. *From Cape Cod to the Bay of Fundy: an environmental atlas of the Gulf of Maine*. MIT Press, Cambridge, MA. 272 p.

Cook, S.K. 1988. Physical oceanography of the Middle Atlantic Bight. In: Pacheco, A.L., editor. *Characterization of the middle Atlantic water management unit of the northeast regional action plan*. NOAA Tech. Mem. NMFS-F/NEC-56. p. 1-50.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. *Classification of wetlands and deepwater habitats of the United States*. U.S. Fish Wildl. Ser. FWS/OBS-79/31. Washington, DC. 103 p.

Dadswell, M.J. and D. Weihs. 1990. Size-related hydrodynamic characteristics of the giant sea scallop, *Placopecten magellanicus* (Bivalvia: Pectinidae) *Can. J. Zool.* 68: 778-785.

Dibacco, C., G. Robert, and J. Grant. 1995. Reproductive cycle of the sea scallop, *Placopecten magellanicus* (Gmelin, 1971), on northeastern Georges Bank. *J. Shellfish Res.* 14:59-69.

Dorsey, E.M. 1998. Geological overview of the sea floor of New England. In: Dorsey, E.M., Pederson, J., editors. *Effects of fishing gear on the sea floor of New England*. MIT Sea Grant Pub. 98-4. p. 8-14.

DuPaul, W.D., J.E. Kirlkey and A.C. Schmitzer. 1989. Evidence of a semiannual reproductive cycle for the sea scallop, *Placopecten magellanicus* (Gmelin, 1791), in the Mid-Atlantic region. *J. Shellfish Res.* 8:173-178.

EPA/NOAA Team on Near Coastal Waters. 1987. Strategic assessment of near coastal waters-northeast case study. NOAA/NOS/Strategic Assessment Branch, Rockville, MD. 114 p.

Gabriel, W. 1992. Persistence of demersal fish assemblages between Cape Hatteras and Nova Scotia, northwest Atlantic. *J. Northwest Atl. Fish. Sci.* 14: 29-46.

Garrison, L.P. 2000. Spatial and dietary overlap in the Georges Bank groundfish community. *Can. J. Fish. Aquat. Sci.* 57:1679-1691.

Garrison, L.P. 2001. Spatial patterns in species composition in the Northeast United States continental shelf fish community during 1966-1999. In: Spatial processes and management of fish populations: proceedings of the 17th Lowell Wakefield Symposium. Alaska Sea Grant Publ. AK-SG-01-02:513-537.

Garrison, L.P. and J.S. Link. 2000. Fishing effects on spatial distribution and trophic guild structure in the Georges Bank fish community. *ICES J. Mar. Sci.* 57: 723-730.

Harley, M.T. and S. Findlay. 1994. Photosynthesis-irradiance relationships for three species of submerged macrophytes in the tidal freshwater Hudson River. *Estuaries* 17: 200-205.

Hart D. and P. Rago. 2006. Long-term dynamics of U.S. Atlantic Sea Scallop *Placopecten magellanicus* Populations. *North American Journal of Fisheries Management* 26:490-501.

Hart D.R. and A.S. Chute. 2004. Essential Fish Habitat Source Document: Sea Scallop, *Placopectenmagellanicus*, Life History and Habitat Characteristics (2nd ed.), NOAA/NMFS Tech. Mem. NE-198.

Hart, D.R. 2006. Sea scallop stock assessment update for 2005. NEFSC Reference Document 06-20.

Harvey, H.R. 1994. Fatty acids and sterols as source markers of organic matter in sediments of the North Carolina continental slope. *Deep-Sea Res.* 41: 783-796.

Hirth, H.F. 1997. Synopsis of the biological data of the green turtle, *Chelonia mydas* (Linnaeus 1758). USFWS Biological Report 97(1). 120pp.

James, M.C., R.A. Myers, and C.A. Ottenmeyer. 2005a. Behaviour of leatherback sea turtles, *Dermochelys coriacea*, during the migratory cycle. *Proc. R. Soc. B*, 272: 1547-1555.

Keinath, J.A., J.A. Musick, and R.A. Byles. 1987. Aspects of the biology of Virginias sea turtles: 1979-1986. *Virginia J. Sci.* 38(4): 329-336.

- Kelley, J.T. 1998. Mapping the surficial geology of the western Gulf of Maine. In: Dorsey, E.M., Pederson, J., editors. Effects of fishing gear on the seafloor of New England. Boston, MA: Conservation Law Foundation. MIT Sea Grant Pub. 98-4. p. 15-19.
- Kenney, R.D. 2002. North Atlantic, North Pacific, and Southern hemisphere right whales. In: W.F.Perrin, B. Wursig, and J.G.M. Thewissen (eds.), Encyclopedia of Marine Mammals. Academic Press, CA. pp. 806-813.
- Lough, R.G. and D.C. Potter. 1993. Vertical distribution patterns and diel migrations of larval and juvenile haddock *Melanogrammus aeglefinus* and Atlantic cod *Gadus morhua*. Fish. Bull. (U.S.) 91: 281-303.
- MacDonald, B.A. and R.J. Thompson. 1986. Production, dynamics and energy partitioning in two populations of the giant scallop *Placopecten magellanicus* (Gmelin). J. Exp. Mar. Biol. Ecol. 101: 285-299.
- Mahon, R., S.K. Brown, K.C.T. Zwanenburg, D.B. Atkinson, K.R. Buja, L. Claflin, G.D. Howell, M.E. Monaco, R.N. O'Boyle, and M. Sinclair. 1998. Assemblages and biogeography of demersal fishes of the east coast of North America. Can. J. Fish. Aquat. Sci. 55: 1704-1738.
- Morreale, S.J. and E.A. Standora. 1998. Early life stage ecology of sea turtles in northeastern U.S. waters. U.S. Dep. Commer. NOAA Tech. Mem. NMFS-SEFSC-413, 49 pp.
- Morreale, S.J. and E.A. Standora. 2005. Western North Atlantic waters: Crucial developmental habitat for Kemp's ridley and loggerhead sea turtles. Chel. Conserv. Biol. 4(4):872-882.
- Mountain, D.G., R.W. Langton, and L. Watling. 1994. Oceanic processes and benthic substrates: influences on demersal fish habitats and benthic communities. In: Langton, R.W., Pearce, J.B., Gibson, J.A., editors. Selected living resources, habitat conditions, and human perturbations of the Gulf of Maine: environmental and ecological considerations for fishery management. NOAA Tech. Mem. NMFS-NE-106. p. 20-25.
- Murray K.T. 2007. Estimated bycatch of loggerhead sea turtles (*Caretta caretta*) in U.S. Mid-Atlantic scallop trawl gear, 2004-2005, and in sea scallop dredge gear, 2005. US Dep Commer, Northeast Fish Sci Cent Ref Doc 07-04; 30 p.
- Musick, J.A. and C.J. Limpus. 1997. Habitat utilization and migration in juvenile sea turtles. Pp. 137-164 In: Lutz, P.L., and J.A. Musick, eds., The Biology of Sea Turtles. CRC Press, New York. 432 pp.
- NEFMC. 1998. Final Amendment #11 to the Northeast Multispecies Fishery Management Plan, #9 to the Atlantic Sea Scallop Fishery Management Plan, Amendment #1 to the Monkfish Fishery Management Plan, Amendment #1 to the Atlantic Salmon Fishery Management Plan, and components of the proposed Atlantic Herring Fishery Management Plan for Essential Fish Habitat, incorporating the environmental assessment. October 7, 1998. NEFMC.

NEFMC. 2003. Final Amendment 10 to the Atlantic Sea Scallop Fishery Management Plan with a Supplemental Environmental Impact Statement, Regulatory Impact Review, and Regulatory Flexibility Analysis. NEFMC, Newburyport, MA. Approximately 1100 pages plus 9 appendices. Available at http://www.nefmc.org/scallops/planamen/a10/final_amend_10.htm.

NEFMC. 2005. Final Framework 18 to the Atlantic Sea Scallop Fishery Management Plan with Environmental Assessment, Regulatory Impact Review, and Regulatory Flexibility Analysis. NEFMC, Newburyport, MA. Approximately 350 pages plus 6 appendices. Available at <http://www.nefmc.org/scallops/index.html>

NMFS. 2004. Sustaining and Rebuilding: National Marine Fisheries Service 2003 Report to Congress. US Dept. Commerce, NOAA, NMFS, Off. Sustainable Fisheries. 24 pp.

NMFS and U.S. Fish and Wildlife Service (USFWS). 1991a. Recovery plan for U.S. population of loggerhead turtle. National Marine Fisheries Service, Washington, D.C. 64 pp.

NMFS and USFWS. 1991b. Recovery plan for U.S. population of Atlantic green turtle. National Marine Fisheries Service, Washington, D.C. 58 pp.

NMFS and USFWS. 1992. Recovery plan for leatherback turtles in the U.S. Caribbean, Atlantic, and Gulf of Mexico. National Marine Fisheries Service, Washington, D.C. 65 pp.

NMFS and USFWS. 1995. Status reviews for sea turtles listed under the Endangered Species Act of 1973. National Marine Fisheries Service, Silver Spring, MD. 139 pp.

O'Reilly, J.E. and C. Zetlin. 1998. Seasonal, horizontal, and vertical distribution of phytoplankton chlorophyll *a* in the northeast U.S. continental shelf ecosystem. NOAA Tech. Rep. NMFS 139.

Overholtz, W.J. and A.V. Tyler. 1985. Long-term responses of the demersal fish assemblages of Georges Bank. Fish. Bull. (U.S.) 83: 507-520.

Packer, D. 2003. Northeast region. In: NOAA Fisheries, Office of Science & Technology (eds.). Our Living Oceans – Habitat. Unpublished draft manuscript, 16 September 2003. p. 49-61.

Pratt, S. 1973. Benthic fauna. In: Coastal and offshore environmental inventory, Cape Hatteras to Nantucket Shoals. Univ. Rhode Island, Mar. Pub. Ser. No. 2. Kingston, RI. p. 5-1 to 5-70.

Richardson, F.D. 1980. Ecology of *Ruppia maritima* L. in New Hampshire (USA) tidal marshes. Rhodora 82: 403-439.

Roman, C.T, N. Jaworski, F.T. Short, S. Findlay, and S. Warren. 2000. Estuaries of the Northeastern United States: habitat and land use signatures. Estuaries 23: 743-764.

Rudders, D. W.D. DuPaul, and J.E. Kirkley. 2000. A comparison of size selectivity and relative efficiency of sea scallop, *placopecten magellanicus* (Gmelin, 1791), trawls and dredges. *Journal of Shellfish Research*. 19(2): 757-764.

SAW 45. 2004. Stock Assessment Workshop for Atlantic Sea Scallop (*placopecten magellanicus*). National Marine Fisheries Service, Northeast Fisheries Science Center, Woods Hole, MA. Approximately 200 pages. Available at <http://www.nefsc.noaa.gov/nefsc/publications/crd/crd0410/scalltxt.pdf>

Schick, D.F. and S.C. Feindel. 2005 Maine scallop fishery: monitoring and enhancement. *Final Report to the Northeast Consortium (Sept. 1, 2005)*, 72 p.

Schmitz, W.J., W.R. Wright, and N.G. Hogg. 1987. Physical oceanography. In: Milliman, J.D., Wright, W.R., editors. *The marine environment of the U.S. Atlantic continental slope and rise*. Boston, MA: Jones and Bartlett Publishers Inc. p. 27-56.

Serchuck, F.M., W. Wood Jr., J.A. Posgay, and B.E. Brown. 1979. Assessment and status of sea scallop (*placopecten magellanicus*), populations off the Northeast coast of the United States. *Proceed. Nat. Shellfish Assoc.* 69:161-191.

Sherman, K., M. Grosslein, D. Mountain, D. Busch, J. O'Reilly and R. Theroux. 1988. The continental shelf ecosystem off the northeast coast of the United States. In: Postma, H., and Zilstra, J.J., editors. *Ecosystems of the world 27: Continental shelves*. Amsterdam: Elsevier. p. 279-337.

Sherman, K., N.A. Jaworski, T.J. Smayda, editors. 1996. *The northeast shelf ecosystem – assessment, sustainability, and management*. Cambridge, MA.: Blackwell Science, 564 p.

Sherman K., J. O'Reilly, and J. Kane. 2003. Assessment and sustainability of the U.S. Northeast Shelf Ecosystem. In: Hempel, G., Sherman, K., editors. *Large marine ecosystems of the world: trends in exploitation, protection, and research*. Elsevier. p. 93-120.

Shoop, C.R. and R.D. Kenney. 1992. Seasonal distributions and abundance of loggerhead and leatherback sea turtles in waters of the northeastern United States. *Herpetol. Monogr.* 6: 43-67.

Steimle, F.W. and C. Zetlin. 2000. Reef habitats in the middle Atlantic bight: abundance, distribution, associated biological communities, and fishery resource use. *Mar. Fish. Rev.* 62: 24-42.

Stevenson, D. and E. Braasch, editors. 1994. *Gulf of Maine habitat: workshop*

StormCenter Communications, Inc. 2004. *Watersheds: where the atmosphere meets the earth. - Regional watersheds – New England; Mid-Atlantic; South Atlantic-Gulf*. <http://www.watershed.interactive-environment.com/multi/www/index.php>

Stumpf, R.P. and R.B. Biggs. 1988. Surficial morphology and sediments of the continental shelf of the Middle Atlantic Bight. In: Pacheco, A.L., editor. Characterization of the middle Atlantic water management unit of the northeast regional action plan. NOAA Tech. Mem. NMFS-F/NEC-56. p. 51-72.

Thayer, G.W., W.J. Kenworthy, and M.S. Fonseca. 1984. The ecology of eelgrass meadows of the Atlantic coast: a community profile. U.S. Dep. Int., U.S. Fish Wildl. Serv., Biol. Serv. Prog. FWS/OBS-84/02.

Theroux, R.B. and M.D. Grosslein. 1987. Benthic fauna. In: Backus, R.H., Bourne, D.W., editors. Georges Bank. Cambridge, MA: MIT Press. p. 283-295.

Theroux, R.B. and R.L. Wigley. 1998. Quantitative composition and distribution of the macrobenthic invertebrate fauna of the continental shelf ecosystems of the northeastern United States. NOAA Tech. Rep. NMFS 140. 240 p.

Townsend, D.W. 1992. An overview of the oceanography and biological productivity of the Gulf of Maine. In: Townsend, D.W., Larsen, P.F., editors. The Gulf of Maine. NOAA Coast. Ocean Prog. Reg. Synthesis Ser. No. 1. Silver Spring, MD. p. 5-26.

Tucholke, B.E. 1987. Submarine geology. In: Milliman, J.D., Wright, W.R., editors. The marine environment of the U.S. Atlantic continental slope and rise. Boston, MA: Jones and Bartlett Publishers Inc. p. 56-113.

Turtle Expert Working Group (TEWG). 1998. An assessment of the Kemp's ridley (*Lepidochelys kempii*) and loggerhead (*Caretta caretta*) sea turtle populations in the Western North Atlantic. NOAA Technical Memorandum NMFS-SEFSC-409. 96 pp.

Turtle Expert Working Group (TEWG). 2000. Assessment update for the Kemp's ridley and loggerhead sea turtle populations in the western North Atlantic. U.S. Dep. Commer. NOAA Tech. Mem. NMFS-SEFSC-444, 115 pp.

Tyrrell, M.C. 2005. Gulf of Maine marine habitat primer. Gulf of Maine Council on the Marine Environment. www.gulfofmaine.org. 54 p.

USFWS. 1997. Synopsis of the biological data on the green turtle, *Chelonia mydas* (Linnaeus 1758). Biological Report 97(1). U.S. Fish and Wildlife Service, Washington, D.C. 120 pp.

USFWS and NMFS. 1992. Recovery plan for the Kemp's ridley sea turtle (*Lepidochelys kempii*). NMFS, St. Petersburg, Florida.

Valentine, P.C. E.W. Strom, R.G. Lough, and C.L. Brown. 1993. Maps showing the sedimentary environment of Eastern Georges Bank. U.S. Dep. Int., U.S. Geol. Surv. Misc. Invest. Ser., Map I-2279-B; scale 1:250,000.

Wallace, D.E. 1997. The molluscan fisheries of Maine. *NOAA Tech. Rep. NMFS* 127:63-85.

Walton, C.J. 1980. Status and characterization of the sea scallop fishery of Maine. *Maine Department of Marine Resources, Research Reference Document 80/15*, 32 p.

Watling, L. 1998. Benthic fauna of soft substrates in the Gulf of Maine. In: Dorsey, E.M., Pederson, J., editors. *Effects of fishing gear on the seafloor of New England*. Boston, MA: Conservation Law Foundation. MIT Sea Grant Pub. 98-4. p. 20-29.

Wiebe, P.H., E.H. Backus, R.H. Backus, D.A. Caron, P.M. Glibert, J.F. Grassle, K. Powers, and J.B. Waterbury. 1987. Biological oceanography. In: Milliman, J.D., Wright, W.R., editors. *The marine environment of the U.S. Atlantic continental slope and rise*. Boston, MA: Jones and Bartlett Publishers Inc. p. 140-201.

Wigley, R. and T.N. Theroux. 1981. Atlantic continental shelf and slope of the United States – macrobenthic invertebrate fauna of the Middle Atlantic Bight region – faunal composition and quantitative distribution. *Geol. Surv. Prof. Pap. 529-N*. U.S. Gov. Printing Office, Washington DC. 198 p.

Worms, J. and M. Lanteigne. 1986. The selectivity of a sea scallop (*Placopecten magellanicus*) Digby dredge. *ICES C.M.* 1986/K:23. 26p.

10.0 INDEX

Amendment 10, xxi, 2, 3, 4, 67, 68, 69, 90, 91, 92, 113, 160, 179, 199, 207, 370, 406, 412, 413, 418, 419, 425, 426, 427, 485, 543
Amendment 4, 1, 7, 9, 14, 15, 47, 50, 116, 117, 373, 405, 412, 422, 423, 425, 427, 478, 483, 486, 487, 489, 490
Assessment, xxii, 7, 8, 9, 41, 42, 43, 44, 50, 69, 70, 71, 91, 118, 160, 169, 192, 426, 480, 537, 540, 541, 542, 544, 545
Atlantic herring, iii, xvi, 410, 411, 412, 460, 469, 506
Atlantic Sea Scallop, iii, iv, v, vi, vii, viii, ix, xi, xii, xiii, xiv, xv, xvi, xvii, xviii, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 36, 37, 38, 39, 40, 41, 42, 43, 44, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 59, 60, 61, 62, 63, 64, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 90, 91, 92, 112, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 149, 155, 157, 158, 159, 160, 161, 165, 169, 171, 172, 174, 175, 176, 177, 179, 180, 181, 182, 183, 184, 185, 186, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 204, 205, 206, 207, 208, 209, 210, 211, 212, 214, 215, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 240, 241, 242, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 291, 297, 298, 299, 300, 301, 302, 303, 304, 306, 307, 308, 309, 312, 313, 314, 315, 316, 318, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 346, 347, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 385, 386, 387, 388, 389, 390, 391, 394, 395, 396, 397, 398, 399, 401, 402, 403, 404, 405, 406, 410, 411, 412, 413, 418, 422, 423, 425, 426, 428, 430, 432, 433, 437, 438, 439, 440, 441, 443, 444, 445, 446, 448, 450, 451, 452, 468, 469, 470, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 491, 492, 501, 506, 508, 510, 511, 513, 523, 526, 527, 531, 533, 536, 539, 540, 541, 542, 544, 546
Atlantic States Marine Fisheries Commission, 506
Barndoor skate, 92
Biomass, xviii, 2, 68, 70, 71, 73, 74, 75, 76, 77, 78, 82, 89, 98, 99, 108, 110, 117, 160, 198,

200, 224, 228, 241, 242, 258, 279, 285, 340,
 343, 366, 373, 381, 382, 413, 418, 432, 433,
 435, 440, 450, 480, 490, 510, 522, 526
 bycatch, 456, 460, 464
 Bycatch, iii, xv, 1, 2, 3, 4, 32, 51, 52, 65, 66, 69,
 115, 125, 179, 196, 197, 199, 206, 211, 215,
 218, 219, 220, 222, 265, 269, 309, 322, 361,
 362, 363, 374, 386, 395, 397, 398, 399, 401,
 402, 404, 408, 410, 412, 420, 421, 422, 423,
 425, 426, 427, 429, 451, 452, 460, 469, 476,
 479, 480, 485, 487, 491, 542
 Cod, 1, 92
 Control Date, 236
 Council, 2
 Cumulative Impacts, 409
 Days-at-sea (DAS), ix, xiv, xv, xviii, xxi, 1, 2, 3,
 4, 10, 47, 48, 49, 54, 55, 56, 62, 66, 67, 69,
 116, 118, 127, 172, 173, 174, 179, 182, 194,
 195, 196, 200, 204, 210, 212, 215, 217, 221,
 223, 227, 230, 232, 241, 258, 259, 266, 308,
 329, 338, 339, 341, 357, 360, 361, 364, 365,
 385, 387, 398, 399, 403, 405, 412, 413, 415,
 416, 417, 418, 426, 428, 441, 451, 472, 473,
 474, 479, 480, 484, 485, 487, 491, 536
 Discards, xxii, 35, 70
 Dredge, 92, 124, 125, 382, 430
Dredges, 92
 DSEIS, i, v, xix, xxi, 23, 60, 183, 190, 212, 323,
 324, 329, 335, 394, 400, 427, 475, 505, 506
 Economic Impacts, 258, 291
 EFH, xxi, 90, 91, 92
 Enforcement, 35, 37, 406, 407, 408, 409, 505
 Essential Fish Habitat, 2, 92, 413, 415, 416,
 417, 472, 473, 474
 Essential Fish Habitat (EFH), xvi, xxi, 2, 3, 4, 68,
 69, 79, 90, 91, 92, 181, 206, 207, 208, 209,
 210, 211, 212, 213, 214, 216, 410, 411, 413,
 425, 427, 429, 430, 432, 433, 434, 435, 436,
 437, 438, 443, 469, 470, 505
 Exclusive Economic Zone, v, xiv, 1, 41, 42, 55,
 116, 160, 192, 193, 217, 326, 411, 422, 431
 Federal, 1, 456
 Flounder: yellowtail, 94
 forage, 435
 Framework 18, 3, 4, 69, 71, 118, 180, 199, 200,
 229, 241, 323, 324, 338, 339, 343, 413, 418,
 543
 Full-time, 60, 117, 159, 226, 307, 330, 331, 332,
 333, 334, 335, 378
 General category, xiv, 3, 43, 55, 117, 120, 125,
 142, 143, 149, 159, 176, 226, 230, 231, 233,
 237, 244, 260, 280, 281, 286, 287, 301, 319,
 320, 328, 333, 337, 344, 345, 346, 347, 349,
 350, 351, 352, 353, 354, 358, 359, 360, 361,
 376, 379, 382, 390, 391, 403, 492
 Georges Bank, xxi, 1, 2, 51, 69, 70, 73, 74, 75,
 76, 79, 82, 83, 84, 85, 86, 87, 90, 91, 97, 98,
 100, 103, 104, 105, 107, 115, 117, 160, 161,
 164, 180, 196, 211, 217, 222, 361, 398, 412,
 418, 423, 433, 481, 539, 540, 541, 543, 545
 Gloucester, 432, 505
 goals and objectives, v
 Gulf of Maine, iii, iv, viii, xiv, xxi, 1, 10, 41, 42,
 43, 69, 70, 79, 81, 82, 83, 84, 85, 86, 90, 96,
 97, 98, 100, 101, 102, 103, 104, 105, 107,
 114, 160, 161, 162, 164, 165, 166, 180, 192,
 193, 206, 208, 209, 214, 215, 217, 221, 325,
 326, 328, 383, 396, 398, 402, 408, 469, 476,
 480, 481, 510, 533, 539, 540, 542, 544, 545,
 546
 Habitat, xxi, 92
 Habitat impacts, 91
 Habitat Impacts, 415, 472
 Haddock, 93
 Halibut, 92
 Interactive Vessel Reporting, xiv, xxi, 47, 194,
 209, 221, 329, 385, 396, 402, 408, 450, 534
 Limited access, ix, xiv, xviii, xxi, 1, 3, 10, 24, 47,
 48, 51, 64, 66, 117, 157, 159, 194, 196, 209,
 210, 224, 230, 235, 242, 258, 337, 338, 341,
 344, 345, 346, 347, 358, 359, 360, 361, 385,
 396, 403, 408, 440, 450, 482, 484, 487, 490,
 510, 526
 limited access program, iii, 457, 461, 466, 467,
 469
 Limited entry, xvi, xvii, 23, 61, 182, 185, 206,
 207, 214, 235, 388, 394, 400, 401, 407, 437,
 438, 469
 Magnuson-Stevens Fishery Conservation and
 Management Act, v, 1, 8, 9, 38, 373, 411,
 455, 461, 466, 507, 508
 Maine, 1, 180
 Maximum sustainable yield, 462, 464
 Mid-Atlantic, i, v, xxi, 1, 10, 43, 44, 70, 71, 73,
 74, 77, 78, 79, 81, 82, 83, 85, 86, 87, 88, 89,
 91, 97, 98, 108, 109, 110, 111, 112, 114, 115,
 116, 125, 126, 127, 128, 142, 143, 144, 147,
 148, 149, 155, 156, 157, 159, 160, 162, 164,
 176, 180, 186, 217, 218, 219, 223, 247, 248,
 249, 250, 252, 255, 277, 326, 328, 332, 334,
 335, 375, 376, 377, 378, 379, 382, 383, 389,
 400, 418, 422, 425, 432, 475, 481, 482, 488,
 491, 505, 506, 538, 539, 540, 541, 542, 543,
 544, 545, 546
 Mid-Atlantic Fishery Management Council, v,
 464, 505, 506
 Monkfish, 180
 National Environmental Policy Act (NEPA), iv, v,
 xxi, 35, 191, 207, 220, 383, 395, 401, 409,
 475, 504, 508
 National Marine Fisheries Service, iii, v, 505

National Marine Fisheries Service (NMFS), i, iii, v, ix, xii, xxi, 3, 4, 5, 24, 34, 35, 36, 37, 47, 54, 59, 68, 71, 114, 115, 116, 117, 161, 180, 198, 199, 201, 220, 302, 305, 330, 385, 407, 408, 409, 411, 420, 421, 422, 426, 427, 428, 429, 475, 482, 483, 491, 504, 505, 506, 507, 508, 540, 541, 542, 543, 544, 545

National Oceanographic Atmospheric Administration (NOAA), iv, v, xxi, 38, 62, 107, 199, 419, 505, 507, 508, 540, 541, 542, 543, 545

National Standard, 411

NEPA, iv, v, 475

New England Fishery Management Council, iii, iv, v, 504

NMFS, 1, 462, 464, 543

no action alternative, v

NOAA, 543

No-Action alternative, vi, xi, xii, xiii, xiv, xv, xvi, xvii, xix, 10, 26, 28, 31, 32, 33, 40, 41, 47, 48, 50, 51, 52, 53, 54, 56, 65, 181, 182, 191, 192, 193, 194, 195, 196, 197, 199, 201, 204, 206, 208, 209, 210, 211, 212, 213, 214, 218, 220, 221, 222, 223, 325, 362, 380, 381, 383, 385, 386, 387, 388, 396, 399, 400, 402, 403, 404, 406, 407, 409, 437, 438, 439, 442, 443, 445, 446, 447, 448, 449, 450, 451, 452, 453, 469

non-fishing impacts, 430, 433

Northeast Fisheries Science Center, 505

Northeast Fisheries Science Center (NEFSC), xxi, 70, 71, 98, 174, 504, 505, 508, 539, 541, 544

Observer Program, 3

Observers, 464

Occasional, v, xiv, 1, 17, 39, 40, 48, 86, 116, 117, 119, 157, 159, 195, 210, 221, 225, 226, 329, 330, 332, 334, 335, 356, 385, 403, 451, 477, 479, 484

Open Access, xvi, 9, 437

Optimum yield, 462

Overfishing, 71

Overfishing definition

Overfishing, 464

Part-time, 117, 159, 217, 307, 308, 330, 331, 332, 333, 334, 335, 378

Permit, xi, xii, xiii, xiv, xv, 13, 24, 25, 29, 30, 47, 48, 55, 119, 120, 126, 142, 143, 149, 159, 176, 194, 209, 215, 219, 277, 278, 318, 320, 330, 331, 332, 333, 337, 380, 381, 389, 443, 445, 446, 447, 450, 451, 470, 513, 531

physical environment and EFH, xvi, 411, 430, 436

Plaice, American, 92

Pollock, 93

Portland, 475

Proposed Action, iii, xvi, 410, 411, 412, 464, 465, 492, 493

protected resources, 410, 411, 412

public comment, 461

Public hearing, 475

public hearing document, 506

Rebuilding, 543

Recruitment, 1, 70, 74, 82, 95, 200

Redfish, 93

Research, 413, 419, 544

Revenue, vii, ix, 117, 118, 119, 122, 159, 177, 182, 226, 228, 230, 231, 235, 236, 237, 238, 260, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 281, 282, 283, 284, 285, 287, 290, 298, 303, 304, 307, 308, 309, 313, 314, 316, 319, 321, 332, 333, 343, 344, 346, 348, 350, 351, 355, 357, 358, 359, 362, 364, 369, 374, 388, 389, 391, 392, 393, 394, 395, 396, 397, 445, 478, 523

Rockland, 475

Safety, 304, 406

Scallop Committee, 17, 21, 41, 42, 50, 57, 62, 63, 64, 192, 476, 482, 486, 488, 505, 538

Scallop Plan Development Team (PDT), v, xxii, 4, 32, 39, 41, 42, 43, 44, 50, 52, 53, 58, 65, 66, 68, 71, 179, 181, 182, 184, 185, 197, 199, 200, 362, 394, 487, 492, 504, 505

scoping, 433, 475, 476

Scoping, vii, 7, 8, 26, 52, 62, 63, 382, 433, 475, 476, 482, 483, 486, 488, 489

Sector, xiii, xvi, xviii, 33, 34, 35, 36, 37, 38, 64, 65, 67, 190, 207, 220, 226, 258, 322, 383, 395, 401, 406, 437, 440, 448, 451, 491

Skate: barndoor, 92

Skate: thorny, 94

Social Impacts, xvii, xviii, 374, 440, 441

Southern New England, xxii, 10, 51, 58, 79, 88, 96, 98, 103, 110, 160, 164, 180, 196, 211, 361, 398

specification process, 465

Standardized Bycatch Reporting Methodology, 464

Substrate, 92

TAC, 2

Tilefish, 94

Total Allowable Catch (TAC), iii, v, vi, viii, ix, xi, xii, xiv, xv, xvi, xvii, xviii, xix, xxii, 2, 3, 7, 8, 17, 18, 21, 22, 33, 34, 36, 37, 39, 40, 41, 42, 43, 44, 47, 49, 50, 51, 52, 53, 60, 63, 64, 65, 66, 67, 179, 180, 183, 184, 185, 190, 191, 192, 193, 194, 195, 196, 197, 200, 201, 206, 207, 208, 209, 210, 211, 214, 215, 219, 220, 221, 222, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 237, 238, 242, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 279,

281, 282, 283, 285, 287, 288, 289, 290, 291,
 292, 293, 294, 295, 296, 297, 298, 299, 300,
 301, 303, 304, 305, 306, 309, 310, 311, 312,
 313, 314, 315, 316, 318, 319, 320, 321, 322,
 323, 324, 325, 326, 327, 329, 335, 337, 338,
 339, 341, 342, 343, 344, 345, 346, 347, 349,
 350, 351, 352, 353, 354, 355, 356, 357, 358,
 359, 360, 361, 363, 364, 374, 380, 383, 384,
 385, 386, 394, 395, 396, 397, 398, 399, 400,
 401, 402, 403, 404, 406, 407, 408, 423, 437,
 438, 439, 440, 441, 442, 444, 445, 449, 451,
 452, 469, 470, 476, 479, 484, 485, 487, 491,
 511, 530
 Trawl, 54, 186, 204, 212, 216, 223, 365, 382,
 387, 398, 405, 409, 453, 470
 Turtle, 10, 113, 114, 115, 116, 217, 218, 219,
 220, 221, 412, 418, 419, 420, 421, 422, 425,
 429, 541, 543, 545
 Valued Ecosystem Component, xvi, xix, 410,
 411, 425, 429, 437, 454
 Vessel monitoring system, 463
 Vessel Monitoring System, v, vi, ix, xiv, xv, xxii,
 3, 9, 10, 37, 39, 41, 43, 44, 47, 48, 52, 56, 57,
 63, 91, 119, 120, 142, 143, 181, 191, 192,
 194, 205, 209, 212, 221, 228, 244, 262, 305,
 325, 329, 384, 385, 387, 396, 402, 406, 407,
 409, 450, 453, 476, 477, 478, 481, 483, 486,
 513, 534
 Vessel Trip Report, ix, xiv, xxii, 24, 32, 47, 58,
 124, 129, 130, 131, 132, 133, 134, 135, 136,
 137, 138, 139, 140, 141, 149, 160, 162, 166,
 167, 185, 187, 188, 189, 193, 194, 305, 318,
 329, 380, 385, 394
 VMS, xxii, 91
 Yellowtail flounder, xxii, 2, 104, 180

Appendix I
For Amendment 11 to the
Atlantic Sea Scallop Fishery Management Plan

Scoping Comments received for Amendment 11



New England Fishery Management Council

50 WATER STREET | NEWBURYPORT, MASSACHUSETTS 01950 | PHONE 978 465 0492 | FAX 978 465 3116
Frank Blount, *Chairman* | Paul J. Howard, *Executive Director*

Scoping Comments For Amendment 11

to the

Atlantic Sea Scallop Fishery Management Plan

Written Comments Received via Mail, Fax and Email

Comments received between February 8 – March 6, 2006

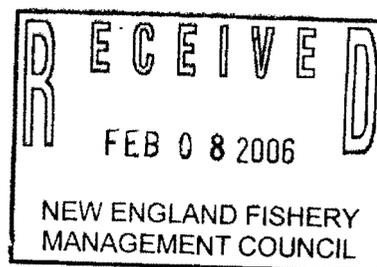
Scoping Comments for Scallop Amendment 11 - Received via mail, fax and email

Total of 58 comments, listed in order of date received

Commenter	Hometown
Michael Ball	South Thomaston, ME
Philip Michaud	Eastham, MA
Bob Baines	South Thomaston, ME
Terry Alexander	Harpswell, ME
Arthur Osche	Manasquam, NJ
James Gutowski	Barnegate Light, NJ
Eric Hansen	
Stanley Sargent	Milbridge, ME
Daniel Cohen	Cape May, NJ
Vincent Carillo	Montauk, NY
Joseph and Michelle Letts	Fairhaven, MA
David Nadeau	North Chatham, MA
Chris LaRocca	
Peter Spong	Southampton, NY
William Reed	
Chris Davis	Chatham, MA
Donald Carter	
Paul Vafides	Hull, MA
Josept T Wagner	Ocean View, MD
John P Ciliberto	Trainer, PA
Anthony Watson	Berlin, MD
James Fletcher	Manns Harbor, NC
Jo Lundvall	Little Egg Harbor, NJ
Joe Smith	
David Wallace (Mid-Atlantic General Category Scallop Alliance)	Cambridge, MD
Ray Trout	Lewes, DE
Jimmy Hahn	Ocean City, MD
Andy Keese	Chatham Harbor, MA
Thomas Brown	
Jim Brindley	Gloucester, MA
William Albert Fooks	
John Borden	Kittery Point, ME
Dennis Williams	Kittery Point, ME
Richard Taylor	Gloucester, MA
Charles Wiscott	Cape May, NJ
Neal Kitson	Barnegate Light, NJ
James O'Malley	Narragansett, RI
Harriet Didriksen	
Eric L. Lundvall	Little Egg Harbor, NJ
Eric Kitson	Cape May, NJ
George Lapointe (Maine DMR)	Augusta, ME
Robert Maxwell	
David Frulla (Fisheries Survival Fund)	Washington, DC
Geoffrey Day (GC Scallopers' Coalition of New England)	Cambridge, MA
Stephen Ouellette	Beverly, MA
Willaim Dicianni	Long Branch, NJ
Scott Bailey	
Craig O'Brien	
Don Myers	West Creek, NJ
Joey Daniels	Wancheese, NC
Maggie Raymond (Associated Fisheries of Maine)	South Berwick, ME
Dallas Huckins	Machiasport, ME
John Wood	Machiasport, ME
Willaim McIntyre	
Jean Frottier	Wellfleet, MA
Comments received after the March 6, 2006 Deadline	
James Fletcher (second comment)	Manns Harbor, NC
Charles Christopher	
Paul Boardman	Barnegate Light, NJ

February 3, 2006

Mr. Paul J. Howard
New England Fishery Management Council
50 Water Street, Mill 2
Newburyport, MA 01950



Dear Mr. Howard:

My name is Michael Ball, owner/operator of the F/V Lori Lee. I have been a commercial fisherman for 35 years and have never had a land job. I fished out of New Bedford for 16 years. I was captain of three different scallop boats during five of those years. I have seen many changes to the industry from the Hague line, meat count, and new gear restrictions. I have always wanted to own my own boat and now that I do the new amendment being discussed will push me out of the fisheries that I have a permit for.

I would like to see the control date pushed ahead one year. With only 38 more permits issued from 2004 to 2005, this is not a big increase and would allow my boat to fish. If you allocate days, I would like to see something like this:

- 150 days to 200 days for full time with history,
- 50 to 75 days part time with no history,
- allocation to be 15% of annual yield,
- no dual applications.

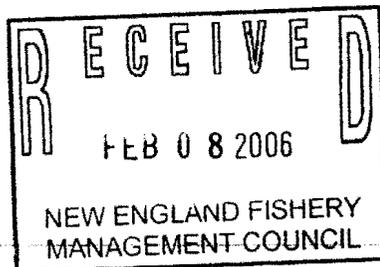
If you use hard TACS, I would like to see something like eight million pounds (8,000,000 lbs.) Total to be split into two sections, north and south, with a line to be somewhere off New York. Four million pounds (4,000,000 lbs.) to each section with splits between full and part time boats. I would like to see 60,000 full time boats and 20,000 part time boats. When TAC is filled, close the area. I would also like to see a fishing season from April 1st to October 31st and closed for five months to recoup and for safety reasons for the small boat fleet. I also think that random drug testing on operator permit holders should be mandatory!

Thank you for your time,

Michael M. Ball
6 Field Street
S. Thomaston, ME 04858
(207) 594-8199
Permit No: 241962

A handwritten signature in black ink that reads "Michael M. Ball". The signature is written in a cursive, slightly slanted style.

cc: DB(210)



February 6 2006

NEW ENGLAND FISHERY
MANAGEMENT COUNCIL

Phillip Michael Jr

New England fisheries Management Council

Box 333

50 Water st Mill 2

Eastham MA

Newburyport MA 01950

Owner/Operator

508-776-8569

Comments - General Category

Amendment II

Dear Mr Howard, I will be unable to attend
Scallop committee meetings February 21st thru 23rd

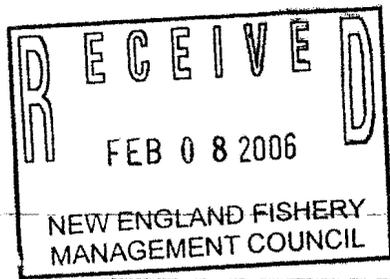
We need to establish T.A.C. for general
boats. I recommend the following

- 1) Stay with November 04 Control date
- 2) Reduce the present 279 vessels by
Increasing the 40 pound baseline to several
thousand.
- 3) Provide to the non qualifying vessels
at 200 lb license, today's price is double
past years, its fair.

I request individual pound instead of
number of trips. Otherwise the much
larger vessels, will force us small boats
out in bad weather and long distances
to catch our share before the T.A.C.

is gone. This allows us to continue to also
access other fisheries to complete year.

Sincerely, Phillip Michael



Phillip Michael Jr
P.O. Box 333

February 6 2006

Eastham MA 02642
F/V SUSAN C III

Dear N.E.F.M.C Paul Howard
and scallop committee.

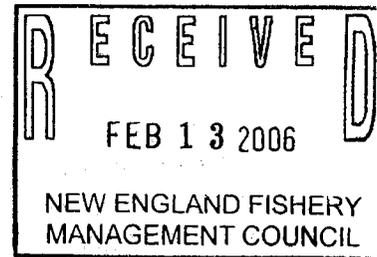
To restrict the General Category harvest and be fair to the boats that have been at this for many years, I suggest use part of the Ground fish plan. In our case use 1998 thru 2003, Must have landed certain poundage or number of trips. Those that don't qualify can obtain A 200 lb open access permit.

Today's dollar value is double the price we received prior to this new effort. I believe this would be fair. Please don't allow 400 lb possession limit to be raised even in closed areas. Perhaps we need a reduced amount to reduce effort.

Sincerely

Phillip Michael
Small boat/owner/Operator

Paul J. Howard
Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950



Bob Baines
F/V THRASHER
89 Waterman Beach Rd.
South Thomaston, Me. 04858

2/9/06

GENERAL CATEGORY SCALLOP COMMENTS

Dear Mr. Howard,

I am a Maine lobsterman who has also participated in the scallop fishery for over 20 years. I have held a general category permit with landings history since 1993. It is extremely important for Maine fishermen who hold a general category scallop permit to retain the ability to harvest scallops in waters off the New England coast. Many of the fishermen who hold general category scallop permits fish on small boats in a directed fishery either on a seasonal or full time basis. The ability to continue in this fishery will allow the owner operator, small boat fleet to survive in an arena being dominated by big boat, corporate owned operations.

1. If it is the intent of Amendment 11 to control capacity in the general category fleet, then limited entry must be used. I would support the control date that has been established, although there is not much difference in the number of permits issued in '04 compared to '05. Qualifications for a limited access program should be based on hundreds of pounds of scallops landed while holding a general category permit during the last ten years.

2/3. An allocation between the limited and general category fleet should only be considered if the limited access fleet is prohibited from landing scallops under their general category permit (double dipping). A 20% quota would be a fair allocation to allow the small boat fleet to maintain economic stability. A north/south sector should be considered to evenly distribute effort.

4. A hard TAC should be used for the entire general category fleet, along with limited entry, but not on an individual basis. It would not be in the best interest of the fishing community to create individual ownership of harvesting rights. A fleet wide TAC with area and/or season limits would effectively control effort.

5. The use of sectors or harvesting co-ops should be a part of the plan as long as all qualifying general category permit holders can participate. Sector allocation has the potential to provide better stewardship of the resource, but many questions first need to be answered as far as who has the right to harvest under the general category permit.

CCD B (2/15)

6. If a limited access program is initiated in the general category fishery, there should be no bycatch of scallops allowed by vessels which do not have general category permits. The scallops can be returned with minimal discard mortality. Under a hard TAC, any incidental catch should be prohibited when the quota is reached.

7. If the general category fleet is managed under a hard TAC, the fishing year should not be changed. The general category, directed fishery scallop fleet, is predominantly a small boat fishery. A change in the fishing year to later in the year could put these boats at risk by fishing later into the fall and winter months fearing there would be no quota left by springtime. The current fishing year provides these boats with the best weather which affords the fishermen the safest time of year to be working in small boats.

I have two other comments that I feel are relevant to the General Category Scallop Fishery. There seems to be a problem in the inability to transfer general category permit history. I know of a number of fishermen who have lost their history after building new boats and not being able to transfer their old permits to the new boat because it is still an open access fishery. This problem needs to be rectified if Amendment 11 is going to make the general category scallop fishery a limited access fishery and where entry is based on the control date and history.

Also, and I understand that this has nothing to do with Amendment 11, general category fishermen must be allowed back into the traditional fishing grounds in the Great South Channel . The general category fleet is using the same gear as the limited access fleet, so there is absolutely no reason why they should be treated any differently than the limited access fleet. The general category fleet must be designated as an exempted fishery which would sustain the economic viability of the fleet and spread effort over a much larger area.

Sincerely



Bob Baines

rsbaines@adelphia.net

JORDAN LYNN INC.

TERRY ALEXANDER

F/V JOCKA

F/V RACHEL T

Jordan Lynn, Inc

67 GROVER LANE

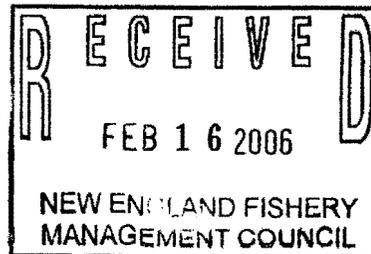
HARPSWELL, MAINE

04079

Phone:2077291850

Fax:2077257009

Cell:207-729-2538



Council Members,

After attending an informal meeting that the State of Maine hosted on the upcoming rule changes in the scallop fishery, I decided to put my two cents in on the subject.

Here is a little history on our Scallop fishery here in Midcoast Maine. We saw a Scallop boom from the late 70s till the mid 80s in our area. The Scallops just showed up one day and the next thing you know they left as fast as they came. Since that time we have not landed many Scallops. Our fleet pretty much fished on Scallops for a 8 or 10 year period and Groundfish we caught along with them. {We Scalloped with nets and at that time it was legal}

After amendment 13 rule I purchased 3 permits to lease to my 2 Groundfish vessels all of them had General Category Scallop permits also. That leaves me with a total of 5 General Category permits none of them unless you go back far enough { in the low 80s } have landings prior to the control date.

cc: DB(2/2)

In a perfect world we should all be treated the same and have the same amount of allocation. I know that's not the way it is. I know, I lost a lot of Groundfish DAS to latent effort and now the Scallop fleet is facing the same thing.

I think if we have to cut the boats that don't have landings we should give them a certain amount of days in the fishery at the 400 pound limit { we need 400 lbs a day in order to make it profitable, lets not take a booming stock and make it not economical for the boats to go and catch them } We already have the VMS aboard the boats that are in the 400 category anyway, so tracking DAS would be simple enough.

I also would like to see us be able to stack our permits in the General Category. Those of us who purchased permits since all the fish regulations would be able to get some value out of them. Lets face it, we are counting them against the effort anyway, so why not put them into the equation for real.

I think the General Category should have at least 25% of the TAC in the Scallop fishery. There are communities up and down the eastern seaboard that are depending on us getting a fair share of the TAC. That would spread the wealth throughout the smaller communities that really need it with all the cuts in the other fisheries going on.

Thank you for taking time to read and consider my comments.

Thank You

Terry Alexander

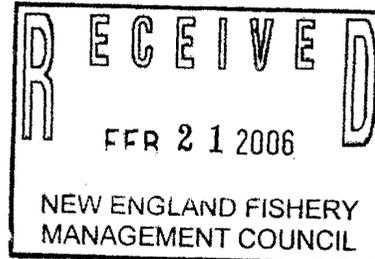


UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
1315 East-West Highway
Silver Spring, Maryland 20910
THE DIRECTOR

MAY 18 2004

*and delivered
At meeting
From :*

Mr. Arthur A. Ochse
2 Muriel Place
Manasquan, New Jersey 08736



Dear Mr. Ochse:

Thank you for your letter to President Bush regarding your opposition to proposed possession restrictions on Limited Access scallop vessels contained in Amendment 10 to the Atlantic Sea Scallop Fishery Management Plan (Amendment 10).

On April 14, 2004, the National Marine Fisheries Service (NMFS), acting on behalf of the Secretary of Commerce, approved all measures in Amendment 10 with the exception of the following two proposed measures, which were disapproved: (1) Possession restriction on Limited Access scallop vessels fishing outside of scallop days at sea; and a (2) cooperative industry resource survey program. Please be assured that NMFS considered all comments received on the proposed Amendment 10 in arriving at its decision to disapprove these two measures. NMFS announced its decision in the Federal Register on April 30, 2004 (copy enclosed).

In light of the disapproved measure listed under item 1 above, you should no longer be concerned that you will be constrained by the proposed possession restriction of 40 pounds of scallops on Limited Access scallop vessels fishing outside of a Scallop days-at-sea (DAS). Instead, the possession restriction for Limited Access scallop vessels fishing outside a scallop DAS remains at 400 pounds of scallops. We anticipate that the final rule will be published in the near future.

I appreciate your interest in this matter.

Sincerely,

William T. Hogarth, Ph.D.



Congress of the United States
House of Representatives
Washington, DC 20515

January 28, 2004

Dr. William T. Hogarth
Assistant Administrator for Fisheries
National Marine Fisheries Service
1315 East-West Highway
Silver Spring, Maryland 20910

Dear Dr. Hogarth:

We are writing to convey our deep concerns regarding the exclusion provision of the most recent Amendment 10 to the Sea Scallop Fisheries Management Plan submitted to the Secretary of Commerce by the New England Fisheries Management Council. If approved as written, the Amendment 10 will prevent certain scallop vessels (mostly New Jersey boats) with full-time Limited Access permits from participating in the General Category scallop fishery when they are not using a sea scallop day-at-sea.

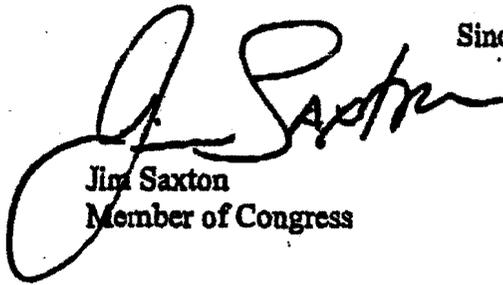
Approximately two-dozen full-time New Jersey Limited Access vessels have participated in the General Category scallop fishery when not on a day at sea since the option became available. The 400-pound daily limit of shucked scallops available pursuant to the current FMP contributes to the economic viability of these vessels and allows them to maintain crew between regular scallop trips. New Jersey shore-side operators have developed a significant consumer market for fresh "day boat" scallops based on the product harvested under this option. To our knowledge this fishery is restricted to New Jersey vessels operating from New Jersey ports.

Ironically, the NEFMC placed no other permit restrictions on the General Category fishery and allows for increased scallop landings by combination permit groundfish vessels. Therefore, if the Amendment is implemented in its current form, it will allow a new class of unlimited non-scalloping participants to enter into this fishery while concurrently reducing New Jersey's level of participation.

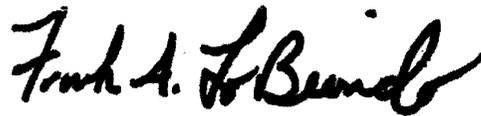
Clearly, we cannot abide such an unfair proposal by the Council process. Our request that you reject the exclusion provision in Sea Scallop Amendment 10 is wholly consistent with the position of the Mid-Atlantic Fisheries Management Council (see attached letter from R. Savage, Chairman of the Mid-Atlantic Council to Secretary Donald Evans, dated December 24, 2003). The MAFMC cites several inconsistencies with respect to the National Standards and basic issues of regional fairness.

We hope you will heed the concerns of the MAFMC and disapprove the exclusion provision of Amendment 10 to the Scallop Fishery Management Plan. Thank you for your consideration of our request.

Sincerely,



Jim Saxton
Member of Congress



Frank A. LoBiondo
Member of Congress

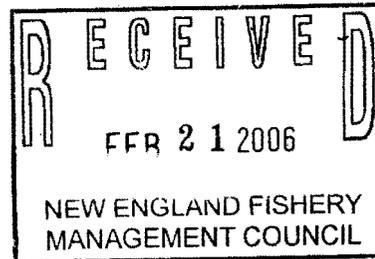


Christopher H. Smith
Member of Congress



Frank Pallone, Jr.
Member of Congress

James Gutowski
PO Box 772
1809 Central Ave
Barnegat Light New Jersey 08006



I submit these comments on the range of issues that should be addressed in Amendment 11 to the Scallop FMP.

#1 Limited entry in the Gen Cat fishery

The Council should consider limited access to manage capacity in the Gen Cat fishery. In Amendment 4 the council created the Gen Cat as a trade off to allow boats that did not qualify for limited access, or chose not to accept a limited access scallop permit that would limit their participation in other fisheries, and limited access vessels fishing off their days at sea. The Gen cat was intended for minimal impact on scallop mortality. Capacity needs to be limited so the qualifying vessels catch rates would not be reduced below what is needed to sustain a day boat scalloper.

If a limited access program is to be established the November 1, 2004 control date must be used. Prior to that control date more specific criteria should be met so the amount of qualifying vessels is not so large that it cannot be supported by a reasonable and historic percentage of the overall TAC.

Vessels applying for limited access in the directed Gen Cat scallop fishery should be able to show historic participation from Amendment 4 (1994) thru the control date set in 2004. They should have significant landings in directed scallop catches in several different years during this period. This would account for historical effort during all ranges of scallop rebuilding and scallop abundance. There may be historic participants fishing in state waters that do not fall under the Amendment 11 regime.

#2 Allocation between limited and Gen Cat fleets

The council should consider resource allocation between the limited access fleet and the day boat fleet fishing in the General category. That allocation should be consistent with historical landings and percentages since the implementation Amendment 4.

The basis for choosing "fair and equitable" allocations for the Gen Cat and or limited access fleets should be historical data. **Only** landings from **before** the November 1, 2004 control date should be considered in determining a reasonable allocation. The average Gen Cat landings between 1994 and 2004 were 2.93% of the overall TAC. The limited access fleet endured very difficult times during the implementation of Amendment 4; we have participated in cooperative research, at the peak of conservation and historical levels of scallop abundance the Gen Cat sector has exploded. Any allocation should be based on the scallop fishery Amendment 4 established; it stated if the General Category grew, the council should reduce General Category landings as opposed to re-doing the allocation of the fishery that it created.

#3 Dual applications for limited access vessels

Limited access should **not** be prohibited from targeting scallops under Gen Cat rules. Similar to any vessel applying for a limited access Gen Cat permit these vessels would need to meet the same historical criteria prior to Nov 1,2004.

This limited access sector participating in the Gen Cat since 1994 is not the problem. From 1994 thru 2004 their landings accounted for a yearly average only 0.53% of the overall TAC.

These vessels should not be segregated because they have a limited access scallop permit, in most cases they cannot target other species.

If the council continues to consider the exclusion of limited access vessels in the Gen Cat the Ad Hoc Gen Cat Advisory panel should include members who have operated limited access vessels under Gen Cat rules.

#4 Use of hard TACs in the General Category fishery

A hard TAC should be considered as an option. Along with limited access and other measures to ensure the TAC can be set at a reasonable level of the overall scallop catch.

#5 Use of Sectors and harvesting coops (Dedicated Access Privileges)

This new fishery created in Amendment 11 should insure a historical inshore day boat fishery consistent with Amendment 4. It should not consider sector-harvesting coops or access privileges enabling pounds to be stacked for longer trips further from shore.

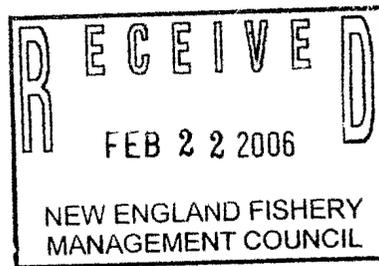
#6 Landings of incidental Scallop catch

Any vessel that does not qualify for a new limited access scallop permit should be allowed a small level of incidental scallop catch, thus preventing discards of scallops while fishing for other species.

#7 Change the fishing year

The council should not change the fishing year at this time. This will complicate an already time sensitive Amendment 11. Until R/V Albatross surveys are replaced and times are set the change if the fishing year is not warranted.

Eric Hansen F/V ENDEAVOR



Good Evening, I would like to start by pointing out that since Amendment four was implemented, the Limited access fleet has worked hand in hand with the NEFMC to help PROTECT the scallop resource. The industry has participated along with SMAST to provide the best available science needed to formulate workable fisheries management. Everyone involved should be congratulated.

With this in mind, the scallop industry has found itself a victim of its own success. The General Category, which was created by Amendment four to assist small vessels that historically landed scallops caught inshore, seasonally and in amounts too small to justify a limited access permit, has evolved into an overcapitalized industry.

The success of the scallop resource and unprecedented scallop prices have created an explosion of effort directed at this resource. We have witnessed the general category vessels legally catching over 5% of total scallop landings in 2004 and most likely double or triple that percentage in 2005. When the general category was created, the landings were not expected to be negligible. (Less than 2%)

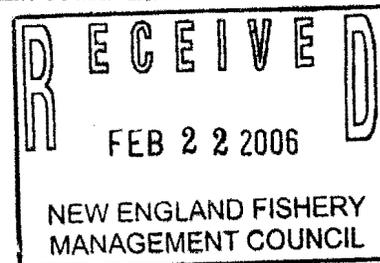
We cannot turn back the clock to rewrite Amendment four but we have to do the next best thing. A control date has been established. We must use this control date to make this a truly limited access fishery. To qualify for this new sector of the fishery we should apply some of the same criteria that the current Limited access fleet had to provide under amendment four, such as proof of directed fishery scallop landings in at least two or three years previous to the control date. Incidental catches of scallops would be unaffected as long as the value of the landed scallops amounted to less than 10% of the total landed value.

The allocation provided to this new sector of the fishery should be in line with the intent of Amendment four. I realize that an allocation of less than two percent would create severe hardships if the number of qualifying vessels is large, but please keep in mind that the current limited access fleet has been restricted severely in days at sea allowed since 1994, while the general category has remained unchanged.

I also feel that the new General category sector of the fishery should be subject to the same rules and gear restrictions as the rest of the limited access fleet, such as no stacking of permits and or days. The council voted this past year not to allow full-time boats to land any more than 18,000 lbs on any one trip in the special access areas, even if they were allocated three trips or 44,000 lbs in that area for the year. This would translate to the general category sector in that no more than 400 lbs. be landed on any one trip, even if they are allocated 4000+ lbs per year. Single small dredges should be the only method of trawling allowed since nets have been known to target smaller scallops which are the future of the fishery.

I want to thank everyone for this opportunity to voice my concerns regarding this amendment, and I hope the correct decisions are made to keep the scallop resource healthy for years to come.

Boats had to take General Category because they could not afford a VMS System. \$8000 in 1994 – now VMS is more affordable. General Category boats that could have qualified for Limited Access should have that right now.



LIMITED ENTRY IN THE GENERAL CATEGORY FISHERY.

1. A) Yes, limited entry.
1. B) The qualifying criteria should not be based on Nov. 1, 2004 control date. It should be the VMS Installation date of October 31, 2005.
1. C) Qualifications – All permits that have history or have been attached to another permit since 1994. Landings should not be considered as an individual quota. Why should a person be rewarded with the right to fish more when he helped in over fishing?
1. D) It will stop a lot of boats from fishing on the traditional bottom after the scallop season.
1. E) You will take the option away from people that do not fish outside of their homeports. Those that fish outside 3 miles along the Maine Coast the historical fishing practices would be left to only those who qualified and spent the money for the VMS.

ALLOCATION BETWEEN THE LIMITED AND GENERAL CATEGORY FLEETS.

2. A) We have an allocation of 400 pounds now. If the council needs to set an allocation it should be per boat, per year. 80,000 pounds per boat, per year.
2. B) Fair and equitable is 400 pounds per day. 1 month fishing for limited access boats equals 12 months fishing to general category boats.

DUAL APPLICATION FOR LIMITED ACCESS VESSELS.

3. A) No limited access vessel should have a general category permit. They should be prohibited from accessing both categories of this fishery.
3. B) Limited access vessels would have the same impacts put on them as general category vessels have had since the 400 pound limit was mandated. You meet your permit limits, then go home or do something else.

3. C) No incidental scallop catch or 40 pounds per trip.

USE OF HARD TAC'S IN THE GENERAL CATEGORY FISHERY (FLEETWIDE, BY AREA, SEASON, SECTOR OR ON AN INDIVIDUAL BASIS)

4. A) No hard TAC . We currently have one now at 400 pounds per day.

4. B) No

4. C) N/A

4. D) No further vessel categories. General category should be treated the same whether you have a 70 foot boat or a 35 foot boat. Size , horsepower, should make no difference. We are all grouped together and should stay equal. We already have two separate categories now.

4. E) TAC on an individual basis is fairer to each boat (within its category). Fleet wide it is not fair to the smaller boats.

4. F) No performance criteria used. The person has held a valid permit since 1994 or installed the required VMS by October 31, 2005.

USE OF SECTORS AND HARVESTING COOPS (DEDICATED ACCESS PRIVILEGES)

5. A) If a fisherman should be able to lease his poundage for the year to someone else.

5. B) Sector allocation would change the general category fishery . It would negatively affect fishing communities.

5. C) No consolidation. Only leasing of poundage for that year.

LANDINGS OF INCIDENTAL SCALLOP CATCH

6. A) Yes, 40 pounds per trip.

6. B) Yes, 40 pounds per trip.

6. C) No, we should fish with the same rules as the Limited Access boats.

CHANGE THE FISHING YEAR

7. A) Do not change the fishing year. (NO) We do not want to have an allocation that can be caught up in the fall and winter down south, before the northern boats have a chance to fish. It needs to be fair, boats from New York to Maine need a chance to fish. Status Quo is the way to go for now.

ANY OTHER COMMENTS:

The council should consider that general category permits be held by owner operator vessels only. (To be leased to other owner operator vessels only?)

1. Owner operator only
2. 10.6 ft Drag
3. 400 pounds per day or 80,000 pounds per year.
4. 4 men per boat.
5. Fishing under the same restrictions as limited access boats – twine top in drag, turtle exclusions, etc.
6. Access to the same fishing grounds as the limited access boats.

Stanley C Sargent

51 Kansas rd

Millbridge me 04681

202 - 546 - 7100

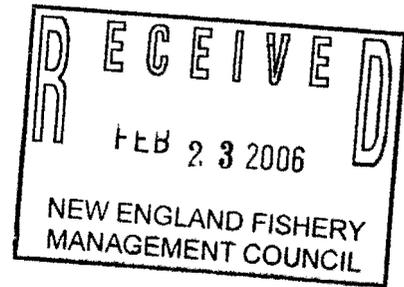


TEL. (609) 884-3000

P.O. BOX 555
985 OCEAN DRIVE
CAPE MAY, NEW JERSEY 08204

FAX (609) 884-3261

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill # 2
Newburyport, MA 01950



Via e-mail to: scallopscoping@noaa.gov

RE: Atlantic Sea Scallop Amendment # 11 Scoping Comments

February 23, 2006

Dear Sirs,

Please consider these comments for the Amendment # 11 Scoping Process and is submitted on behalf of the vessels and crews of over thirty limited access vessels who offload and sell to Atlantic Capes Fisheries, Inc.

I strongly support the implementation of this Amendment to control and limit the effort and the associated mortality on the scallop resource from the General Category fishery. By way of history it is illustrative to remind the Council that in 2003 (and earlier) I personally submitted written comments to the NEFMC concerning Amendment #10 encouraging the NEFMC to control the growing General Category effort, in my letter of July 15, 2003 to the NEFMC I stated:

General Category participation is exploding as shrimp vessels from the south and ground fish vessels from the north all are rigging up. This effort is overwhelming enforcement, which has no idea of how much effort there is or when landings occur. While it is politically impossible to ban the category we must adopt appropriate management restrictions, which should include.....There must be an overall TAC for General Category based on historical catches, which should be no more than 2% of the total estimated harvest, reports must be filed weekly and the overall fishery closed when 2% is harvested.....There can be no rationale to increase the landing limit of General Category vessels above the current 400 pounds. We cannot be encouraging more vessels to join this effort.....

If the NEFMC had heeded these warnings in 2003 and limited General Category effort in Amendment #10 much of the over investment in new vessels and conversions would not have occurred. At the time the NEFMC considered Amendment # 10 the PDT

unfortunately reported that they did not have evidence of this increase in effort, even though we were informing the Council. But the PDT was relying on NMFS landing data, which was only compiled for 2001 and part of 2002. This unfortunate decision to delay Gen Cat effort controls allowed the problem to get much worse and will make the actions necessary to control the General Category effort that much more difficult to implement.

Now we are faced with the fact that inshore areas are being over-fished, too many new entrants have engaged in a directed Gen Cat fishery moving the fishery from controlled planned harvest to a 'gold rush' and overfishing the stocks. While some of these General Category fishermen will make a case for allowing them to continue due to their recent investments, the Council must make the correct decision to limit General Category effort so that the investment of limited access fishermen not only in money but years of curtailing their own harvests going from 240 Days at Sea to less than 100 Days at Sea is not destroyed but unregulated opportunistic entrants with no long term commitment to the fishery.

Specific comments concerning what should be implemented in Amendment #11.

Control Date: The NEFMC should base its management decisions upon the history of the fishery through the Control Date of November 1, 2004. Management decisions should not include landings and effort after the Control Date.

HARD TAC - The NEFMC should implement a HARD TAC for Gen Cat vessels averaging the history of General Category effort from 1994 through 2004. The Council staff should analyze the range of the lowest during this period (about 1%) and the maximum (about 5%) as the range of options. I would recommend in implementation as the average of the period 94 through 2004, which would be about 3% which is 50% larger than the HARD TAC of 2%, as recommended in 2003 before the explosion of effort.

Limited Entry – If the NEFMC makes the correct hard decision to limit the General Category to a HARD TAC of 2%- 3% of the catch, it should then allow the General Category fishermen to decide how to establish limited entry, but it seems to be most logical to use the Control Date to qualify fishermen. The NEFMC should evaluate various criteria, as suggested by General Category fishermen to qualify for a limited entry Gen Cat permit across a range from one pound, 1000 pounds, 2000 pounds, 10000 pounds, etc. of landings in one year.

Limited Access Fishermen fishing as Gen Cat when not on a DAS – The same qualifying criteria that is used to implement limited entry in the Gen Cat fishery should be analyzed to allow those limited access fishermen who have fished for Gen Cat while not on their DAS to continue to fish as Gen Cat. Limited Access Fishermen are similar to other fishermen (i.e. Groundfish, squid, fluke, etc) in that they have few other options. Those Limited Access Fishermen who fished in a Gen Cat manner in the period of 1994 to 2004 and have landings sufficient to qualify (see above criteria) should be given a Gen Cat permit.

How to Allocate Effort – After a HARD TAC is determined and the number of the qualifying limited entry General Category Permits is determined the NEFMC must decide

what effort controls to use to manage the allowed General Category effort. One option to consider would be to allow a derby, which would have all Gen Cat vessels fish until the TAC is caught and then all vessels would stop. This should be analyzed (and I believe should be rejected.) The NEFMC should analyze options of dividing the annual HARD TAC equally between all qualifying Gen Cat vessels and allocating to each qualifying Gen Cat a fixed number of trips i.e. 10, 20, 30 trips (whatever the math works out to be annually). A third option would be allocate the number of trips quarterly and add or subtract trips quarterly based upon how many Gen Cat vessels actually go fishing each quarter. The NEFMC should consider options which will allocate to each limited access Gen Cat vessel a fixed number of trips per year, projected to stay within the fixed HARD TAC, that each vessel can decide when to harvest.

Incidental Catches – The NEFMC should allow for incidental bycatches in other fisheries and analyze various options from 40 pounds to no more than 400 pounds, provided the scallops are no more than 10% of the catch on board.

Sector Allocations and Cooperatives – This should be the focus of Amendment #12, not Amendment #11. With the cost of maintaining vessels and fuel both the Gen Cat and Limited Access Fleets will need to consider some methods of becoming more efficient after all effort is controlled. This should be done in Amendment # 12 to be started as soon as General Category effort is managed in and the scope of General Category participants is defined in Amendment #11.

Scallop Fishing Year – A change in the scallop fishing year should be considered in Amendment #12, not Amendment #11. Recently the NEFMC and NEFSC discussed the formation of a scallop survey committee to look at the design and timing of annual surveys. I think discussion of changing the fishing year should be determined in a future Amendment, after NMFS, NEFMC, and industry develop a long term annual survey and analysis plan.

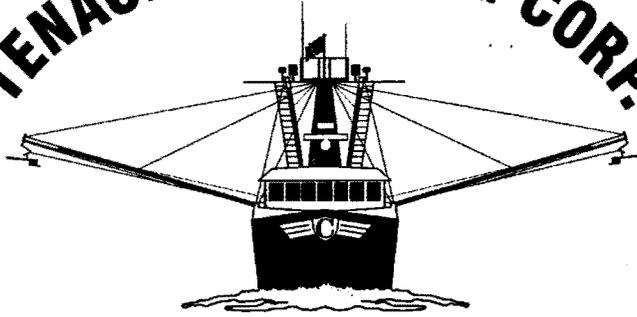
I look forward to working with the NEFMC and other members of industry, including General Category fishermen to control the mortality of the General Category sector, stop localized overfishing, and continue to foster a sustainable and economically efficient scallop fishery, which can be a model of progressive fisheries management.

Thank you for considering our comments.

Sincerely yours,

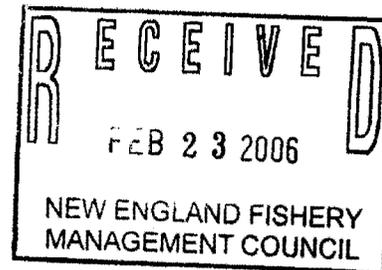
Daniel Cohen, President

TENACIOUS FISHING CORP.



P.O. Box 1432 · Montauk, NY 11954

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA. 01950



February 18, 2006

Dear Mr. Howard,

Thank you for letting me comment on the development of Amendment 11. My main concern is with issue #3 from the council draft proposal. I am the owner of a 60 foot scallop boat from Montauk, N.Y. I don't feel that ALL limited access vessels should be categorized together. I have a limited access- part time- small dredge permit with 27 days at sea and 1 access area trip in 2006. A part time boat, with these few days, needs to be able to harvest 400 pounds under general category, outside there allocated days at sea, to stay in business. A limited access- full time permitted vessel has over two and a half times the amount of days at sea(67) and one more access area trip. Therefore you cannot consider ALL limited Access scallop vessels in the same management proposal! We are very different economically and dependant on the access under general category rules.

There also seems to be a very small amount of limited access vessels targeting scallops under general category rules. The resource is only accessible to smaller boats, close to shore, during the summer months when the scallops are just right for harvesting. With fuel prices at 2.50 per gallon, and insurance premiums in excess of \$40,000.00, the 400 lbs., per day helps round out the year. There is a very small percentage of landings from these boats. In table #1-general category landings by permit, from 1994-2005 only .54% of the total scallop landings are by limited access vessels fishing under general category rules. It also states that in 2005 alone, 13% of scallop landings are from these new entrants that want to form there own group.

Let's keep these traditional limited access vessels fishing under general category rules, even if it means subtracting the .54% from the limited access total allowable catch. Let's not eliminate a fishery (limited access) to form another (general category).

Thank you,
Sincerely,

Vincent Capillo, Jr.

A handwritten signature in cursive script that reads "Vincent Capillo, Jr.".

cc: DB(2/27)

JOSEPH & MICHELLE LETTS

7 Andrew Ave.
Fairhaven, MA 02719

home- 508-996-6157

Joe-cell-443-614-2869

Michelle-cell-508-951-0777

fax-508-996-6643



February 20, 2006

New England Fisheries Management Council
Attn: Paul J. Howard
50 Water Street
Mill 2
Newburyport, MA 01950

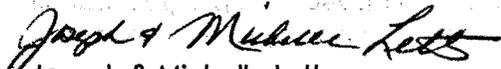
To whom it may concern:

As owners of both a large 86' full-time single dredge scalloper, F/V Ocean Reign and also a small 50' general category scalloper, F/V Rock N Rye. We would like to give you our input as far as the general category regulations as well as limited access regulations.

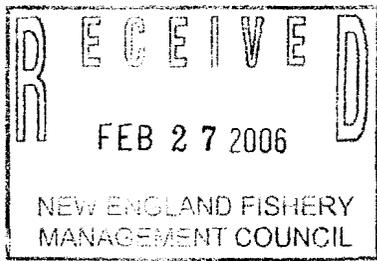
We recently were forced to put on a \$5,000.00 plus Boatracs box in order to continue fishing for the 400lbs. per day. Also a cut off date for issuance of General Category permits went into effect as of Nov. 2004. My understanding is that licenses still have been granted after the cut off date. If indeed the idea is to reduce the catch limits then I suggest that the government go back to the cut off date of Nov. 2004 and restrict any vessel which has not shown landings under the general category permit prior to the cut off date of Nov. 2004. This would reduce the general category fleet by approximately one third. I also believe that since Boatracs have been added to the 400 lb catch limit vessels, that the scallop catch rate should be monitored for 1 year prior to enforcing a "hard" total allowable catch. If after the one year of monitoring, the government feels the need to had additional restrictions, we suggest limiting the dredge size for all vessels fishing under the general category 400 lb. per day to one 10" dredge regardless of the size of the vessel. This would discourage some of the larger limited access vessels from fishing the 400lb. per day after their days have been used up.

Please keep in mind that some of these small general category permit vessels still have large mortgages on them. Our general category vessel is a refurbished steel 50' boat with state of the art safety and electronics. This is not a fly by night \$25,000.00 vessel trying to rape the industry. Our general category vessel cost over \$250,000.00 to put it to work. With all the demands already in place I would hope that our above suggestions would help reduce the catch and not harm the individuals that have history with their general category permits.

Thank you for your time and consideration.


Joseph & Michelle Letts

cc: DB (2/27)



PO BOX 1138
N Chatham, MA 02651

DAVID MADEAU
F.V. BAD Seed
CHATHAM MASS.

I THINK THE CONTROL DATE IS SOMETHING THAT MUST HAPPEN. I THINK THAT THERE SHOULD BE OTHER FACTORS IN PLACE SUCH AS LANDING PRIOR TO THE NOV 04 CONTROL DATE. MY REASON BEING IT WILL CREATE LICENCES THAT WERE NEVER HAD LANDING ALL OF A SUDDEN THEY HAVE A LICENCE THAT WILL BECOME ACTIVE BECAUSE THERE ARE A LIMITED NUMBER OF THEM. PICK A NUMBER 5,000 - 10,000 20,000 SOMETHING TO SHOW THEY ~~NEED~~ NEED THIS TO MAKE A LIVING THEN IT SHOULD BRING IT DOWN TO A CONTROLABLE NUMBER. SO THE PEOPLE THAT NEED THIS WILL HAVE ENOUGH TO MAKE A LIVING.

AS FAR AS THE LIMITED ACCESS BOAT FISHING UNDER GENERAL CAT. THAT HAS TO STOP IF WE HAVE ~~THE~~ HAVE A TAC.

INCIDENTAL SCALLOP CATCH SHOULD BE BROUGHT TO 100 LBS. SO NOT TO ENCOURAGE TRYING TO CATCH THEM A BE IN A DIFFERENT CATEGORY

cc DB(2/28)

I THINK THAT WE SHOULD BE ABLE
TO FISH IN THE CHANEL 521.

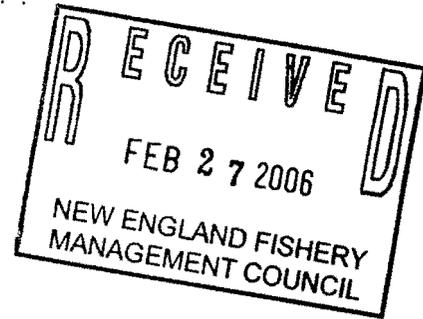
BECAUSE EVERYONE INCLUDING
MYSELF FROM MAINE TO MASS IS
GOING TO THE MID ATLANTIC. THE YELLOW
TAIL BYCATCH IS NONE EXSITANT
IN #521 THIS IS GOING TO PUT
ME OUT OF BUSSNISE FAST

MAKE THE MAX DREDGE
SIZE 8 FEET FOR THE GENERAL
BOATS TO THAT WOULD HELP ALOT

CAPT DAVID MADGW
P.O. BOX 1138
NORTH EAST HAM
MASS

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:53 PM
To: Deirdre Boelke
Subject: [Fwd: gen cat]



----- Original Message -----

Subject: gen cat
Date: Mon, 27 Feb 2006 07:27:58 -0500
From: chris la rocca <holkai@msn.com>
To: ScallopScoping@noaa.gov

I think the nov 1 control date should be used the criteria should be an avge from the period amend 4 to nov1 04.
if limited access permit holders can meet the criteria then they should get a gen cat ,also the alocated TAC should also be consistent with historical levels and there should definitely be a hard TAC. there should be no segregating of the resource by area or by time, and to change the fishing year now would be ridicilus. my name is chris la rocca i have been fishing for over 20 years i now run a full scalloper from barnegat light iwas at the meeting in cape may and wanted to send in written comments. thanx for considering my ideas

2.27.6

GENERAL CATEGORY COMMENTS,

Hello, my name is Peter Spang. I own the F/V BROOKE C, DOC# 660604, PERMIT# 231025. My concern with the upcoming rule making is with the amount of history that could be required. I fish out of Montauk New York. The few scallop boats that do fish out of there were only given one year to scramble to put any type of history together beside gearing up the boat and learning how + where to caught the scallops. The area outside of Montauk was closed to us prior to the beginning of 2004. Not certain of the exact date but it was considered a yellowtail sanctuary. I feel the general permit allows local boats to supplement their income from other slowed fisheries. Thank you for taking my comments into consideration.

Peter Spang

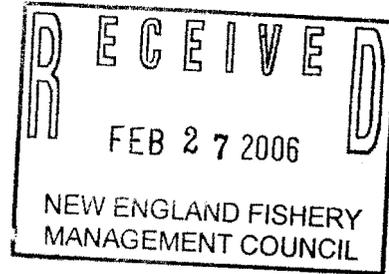
631-287-6077

FV/BROOK

3 Highlands Dr
Southampton NY 11968

Deirdre Boelke

From: Scalloscoping [Scalloscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:53 PM
To: Deirdre Boelke
Subject: [Fwd: Admendment 11]



----- Original Message -----

Subject: Admendment 11
Date: Mon, 27 Feb 2006 12:24:31 -0500
From: william reed <rschreed@hotmail.com>
To: Scalloscoping@noaa.gov

February 27, 2006 NEFMC, Scallop Amendment 11

I, William Reed, owner of the F/V North Sea and F/V Providence, have been utilizing my general category permits on the both vessels.

After attending the Scoping Hearing in Cape May Courthouse and hearing some passionate pleas, I have changed my opinion on one important issue; that is, the November 1, 2004 deadline. I just do not want to be the one to push a man's livelihood away from him, to squash a life's dream and ambition.

It is my opinion that you do not consider the November 1, 2004 deadline based on the fact that NMFS was still handing out dreams when with hindsight; they should have withheld these permits. Pandora was let out of the box. However, I would like to suggest a higher qualifying standard for maintaining this permit. Say, 50 trips, which would translate, to 20,000 lb meat or 2,500 bushels of scallops; once again landed between 1994-2005 in any one year.

Issue #2 Allocation: as much as possible for the general category fleet. Realistically, I feel that a 7.5% allocation is fair or 5% with the limited access boats eliminated from the General Category Allocation; by area will just concentrate boats, gear type not in favor of, however Mid-Atlantic boats should be required to tow 6 ½" square cod ends with 6" twine in net. This would be consistent with the SNE region. As for turtles, they are attracted by the shucking and scallop guts from the limited access boats going back and forth over the same tow, creating a huge chum slick attracting sea turtles, tunas and sea birds. Shucking 50 bushels is not enough of a chum slick to attract much marine life. Shell stocking must continue to be allowed. I supply important markets with live scallops for sushi and we would like to continue this. As I ramble on, I am strongly in favor of an individual quota that is only transferable on a yearly basis.

Issue #3: I feel strongly in favor of not allowing the limited access boats into this category, following the advice of Bill Hogarth and local congressional representative.

Issue #4: Hard TAC appears to be a necessary evil. Again, I am in favor of an individual quota.

Issue #5: I feel that individual quotas would just be simpler for all. If not community quotas would be the next best thing.

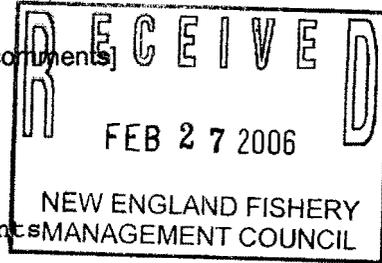
Issue #6: There needs to continue to be 40 lb or 5 bushels of individual catch- Must avoid regulatory discards.

Issue #7: Too bad January 1st does not start the year. However, leave the start date alone.

William Reed

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:53 PM
To: Deirdre Boelke
Subject: [Fwd: atlantic sea scallop amendment11scoping comments]



----- Original Message -----

Subject: atlantic sea scallop amendment11scoping comments
Date: Mon, 27 Feb 2006 15:17:20 -0500
From: chris davis <scrounge69@comcast.net>
To: ScallopScoping@noaa.gov

NMFS; I was at the meeting in hyannis on feb.23 I did not speak as I was in a wheelchair and the meeting room was overcrowded so I will make my comments here.

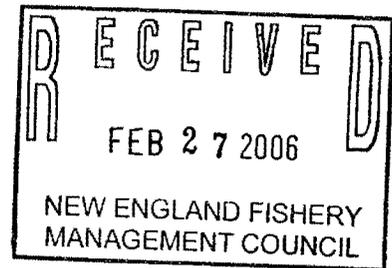
As I am sure you all know the increase in the size and catch of the GC was do to the Limited Entry vessels using up thier days early in the season causing an increase in the price which caused the GC boats to get 8, 9 ,10 dollars per pound! I spoke to a gentleman on the council that told me of the shrimpers moving in on the mid atlantic all in the GC .This gentleman told me that they were responsable for the Limited Access boats being so upset about the GC , it seems these shrimpers were rigged both sides with large rakes and were staying out 30 or more hours and landing over 1000 lbs per trip!! My responce to this was,Why if everyone knows this,and the trip limit is 400lbs WHY NOT ENFORCE THE LAWS WE ALLREADY HAVE. and bust these vessels ,that would be the best way of cutting back on OVERFISHING.! I believe that these vessels and the Limited Entry vessels that hold and use GC permits caused the overfishing to which you refered to in your paper.This dual permit situation should be outlawed.

I believe that setting a hard tac will cause GC boats ,most being smaller vessels, to fish weather that they would under todays regulations stay or GO HOME but if they knew the quota was nearly caught they will stay out or go in weather that is too much for thier boats.

The question of limited entry for GC vessels is one that won't have much affect immediately but the small boat fleet has always changed fisheries when the need arises, the fishermans monument at Chatham Fish Pier has a Quote on it "EVER CHANGING TO REMAIN THE SAME"and I believe it is true of the Chatham fleet and all the small boat fleets in New England, so to tell a fisherman he can't throw on a scallop rake and go catch 400lbs when he is driven out of his present fishery by lost days at sea , or lack of fish he was working on ,would be the end of small boat fleets and I believe that would be a great loss to New England. Unless of course the majority of the small boat fleet has a GC permit then using the control date as a shut off could be justified as a protection from an overabundance of GC boats from elsewhere.n the case of seperate allocations for the GC and the limited entry vessels I think that we should give the GC boats a portion of the total catch and leave the TAC as it is, nonexistent.The DAP might be a way of dealing with the extra vessels from elsewhere but would be a difficult project.Lastly I think the incidental catch and the fishingyear should be left as they are.Thank you , Christopher Davis ,owner F/V Coming Home ,Chatham Ma.

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:53 PM
To: Deirdre Boelke
Subject: [Fwd: Amendment 11]



----- Original Message -----

Subject: Amendment 11
Date: Mon, 27 Feb 2006 17:26:22 -0500
From: Donald Carter <neindustrial@hotmail.com>
To: Scallopscoping@noaa.gov

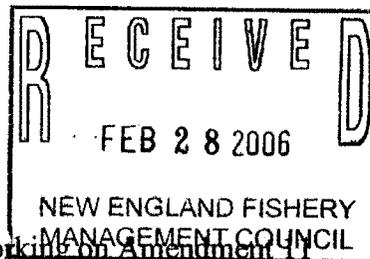
Mr. Paul Howard, As a Day/General Category Scalloper, I had atended Both the Meeting in Boston 2005 and Also the Meeting at Cape May NJ Feb 2006, Both where Confusing on the Game Plan to see just what the Process is to Control the GC Quotas, I had sugested at the Meeting in Boston 2005 to Install Sky Mate / Boat Trax, of which Finaly Happed in Dec 2005. That alone cut the 400 pound Boat Fleet by 70%, and I had also Asked to Stop giving out the GC Permits that Meeting or ASAP, of which hasn't happed, I had Also asked for a 250 Day GC Fishing Year Pr. Permit, of which I fill would Cut another 30% of the Total Harvest in the GC Fisheries.

I'm also asking for you to Look at the GC fisheries now that the Boat Trax / Skymate System are in use, And now take a true Survey for ONE YEAR on the Pounds Taken by the GC Fisheries, I Also Fill that is Going to Make a Differance in the Total Catch By 400 Pound GC. Most of the Boats in the GC will have a Hard Time With the Weather to get in 250 Days. The New Control Date should be Moved to Dec.05 to Start a Catch history Per. Permit, Because of the Tracing Systems now in Place. Please No Catch Durby that would make it a Dangerus Fisheries. Make GC a Limited Entry Fisheries. Have a Single Dredge Size up to 15' Max. The LA Vessals have Landed Scallops in the GC Rules, That may be OK only if it Goes Agianst the LA Catch and not the GC Catch. No Hard TAC should be Considered That would Also Cause a Durby Type Fisheries. Keep the GC and LA Fisheries Opened to All that Have Boat-Trac System/Sky Mate, and a Dec 05 Dead Line for 1B Permits. Total Days 250 at Sea and/Or 400 Pr.

Day Total Wt. should be Set as to Trac Pr. Vessel. Thanks For Your Time.
Please Call me if there's Somthing I can Add to the Advisory Panel. Don Carter
1-609-884-1771

Save time by starting a search from any Web page with the MSN Search Toolbar-FREE!
<<http://g.msn.com/8HMBENUS/2731??PS=47575>>

Comments In Response To Scallop Amendment 11
Seven Specific Scoping Issues



To: Deidre V. Boelke, Fishery Analyst, Lead Staff Member working on Amendment U
From: Paul Vafides, Hull, MA. Full Time Commercial Fisherman since 1973/Boat Owner FV Salvatore from 1973-1989 (Lobstering, offshore gillnetting, scalloping downeast Maine and offshore), Crew on offshore groundfish trawler for 3 years, Captain of offshore groundfish trawler for 13 years, Purchased FV Donna Jean II March/2004 with General Category Scallop Permit, Multispecies C Days, Offshore lobstering permit.

Thank you for this opportunity to respond to the scoping issues in writing. Conservation of species for the ongoing purpose of sustaining food supplies is of vital importance. Having reliable unbiased data, reliable unbiased science, peer reviewed science, and integrity from hired lobbyists, hired lobbyist scientists and most importantly from the fishermen is also a vital part of this process. It is also the important job to understand that boats must be maintained and crewed by competent and responsible fishermen. Boats must be insured, maintained, and provide a living to insure this type of responsibility. It is the hope that the council also shares these goals. If not, lives will be lost, boats will be uninsured and continue to be crewed by noncitizens, and laws will continue to be broken.

Final Scoping Document

- Additional issues that should be included are to disallow shell stocking and netting scallops. Historically, shell stocking has been devastating to the scallop business and nets catch to many small scallops.
- No VMS=No GC Permit. Dealers should be equally responsible as the permit holder for buying scallops beyond the limit from boats. The proposed bag tagging program along with the VMS should solve this problem.

Issue # 1-Limited Entry

- The control date of Nov. 1, 2004 should be approved immediately. All boats gaining licenses after this date were properly warned.
- In addition, there should be a significant history attached to this control date along with compliance to VMS. A 5 year average would provide a fair judgment of boats actively fishing the GC permit. This would provide for boat owners who may have been ill for several years, had boat breakdowns, or any of the many possibilities that could have ill-fated a vessel or family.

Issue # 2-Allocation

- Boats with GC permits that have historically depended upon, have a proven history of active permit usage should be allocated 20%. Without this type of assurance then fishing boats would not be able to maintain there well being, pay their crew, and maintain appropriate insurance coverage for vessel and crew.
- There should be consideration of the approximate 54 days that LA boats fish unrestricted in open waters plus closed areas in addition to their other multispecies permits (which often times are not even used or leased because

they are considered full time scallop boats and do not need the additional income). Their corporations are able to maintain their vessels, insure their vessels, pay and maintain crews. The GC permit was also traditionally created for Chatham and Maine for small boats that fished for 5-6 months in other fisheries. They too need the same right to maintain their vessels, insure their vessels, pay and maintain crews. By increasing the number of GC permits, allowing overfishing, allowing LA boats to fish with a GC permits using and allowing nets to fish for scallops, the purpose of the GC permit has been lost. Many of the boats using the permit now have become full time scallop boats with no other target but scallops using the GC permit. The traditional GC permit holders depended upon 5-6 months of fishing with 70-100 trips. By looking at your statistics, it looks as though GC boats only used an average of 38 trips. The price of Scallops just three years ago was about \$4/lb and was all I was hoping for. I was also dependent upon 5-6 months of fishing with an average of 15-20 trips/month out of Chatham. 38 trips would not sustain the insurance to cover my boat, one man crew, boat payment, and dockage for the 5-6 months of fishing. I think you will find this to be true of most of the Maine boats as well, that scallop in addition to lobster fish.

- To prevent a derby style of fishing created by fleet, area, or season, it would probably be in the best interest for boats to receive individual allocation.

Issue # 3-Dual Application for limited access vessels

- LA vessels should not be allowed to fish under GC permits. Some of these vessels reach 90-100 feet in length. No, this should be stopped immediately.
- No, incidental catch should be thrown back if it is still alive and most of the time it is. Why would there be incidental catch on a LA boat?

Issue # 4-Hard TACS

- Yes, a hard TAC would be effective in preventing overfishing so long as it does not create the derby style fishing created by fleet-wide, area, or season. Criteria should again be based on history and should probably be on an individual basis so that the vessel can choose the best and safest time to fish in coordination with other fishing efforts of the vessel.

Issue # 5-Sectors, DAPS

- A dedicated access privilege is certainly better than derby style fishing. It would of course be good for me since I am based out of Chatham. It provides for the sector to police itself.

Issue # 6-Incidental Scallop Catch

- Both the LA and GC fleets should not land small amounts of scallops. If the boat is targeting another species than throw them back.
- If you are going to provide for incidental catch then make it small so that you are not providing for effort to target scallops.

Issue # 7-Change of Fishing Year

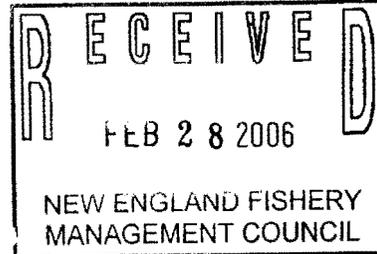
- No

It is very difficult to observe the big boat fleet versus the small boat fleet. I have long term friends from both sides of the street. I have been in this business since the inception of the 200 mile limit and seen shell stocking, thousands of pounds of juvenile fish landed, boats repeatedly go into closed areas, foreign captains and foreign crews that couldn't read the laws let alone speak in English, illegal dumping of millions of gallons of toxins, hauled back barrels and barrels of toxins, seen deformed species near nuclear plants, wonder what all the chlorinated water from the outfalls will create. On the other hand, I have also seen honesty, hard work, sacrifice, respect for the fisheries, respect and concern for the crew and families, respect for the ongoing and preservation of the industry. You have a difficult task indeed. What I think of greatest importance is integrity and honesty from all parties. This is becoming an old man's trade and will remain so unless vessels are allowed to provide an adequate living to the families that are involved. This industry could easily become only a few corporations owning all the vessels which certainly would make your job much easier but would also become the breeding ground for green card holders crewing all the vessels for minimum wages. There would be only a few ports housing the fleet and it would be likely as well that the same corporations that owned the boats also were the fish dealers. Millions of dollars to many ports would now be diverted to trillions going to a few ports. I always question the ultimate goal of the National Marine Fisheries as we all should.

If an adequate living is guaranteed to the license holders in the entire fleet (whether scalloping or fishing) than you will in all likelihood find that the families that will continue the traditions of the fisheries will be educated to follow the laws, offer insights to your sciences (which really do need to have peer reviews, a more precise analysis of the scientific method being used to guide your explanations and predictions, what are additional variables to be considered, your statistical procedure), work in conjunction with all concerned parties, and maintain the fisheries industry for further generations. 200 LA boats 60 million pounds there is plenty for all.

J W COMMERCIAL FISHING INC.

Joseph T. Wagner, Pres.
124 Woodbine Ocean View Rd.
Ocean View, NJ 08230
Phone (609) 624-0848



Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950

February 24, 2006

Re: Scallop Scoping

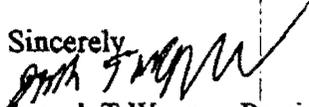
Dear Mr. Howard,

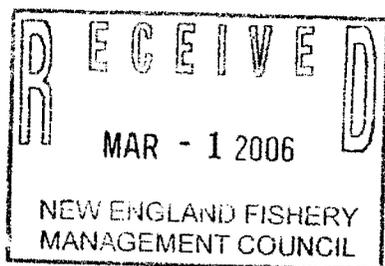
I attended a meeting held at the Cape May County Extension Center in Cape May Court House, New Jersey, the other night. As I listened to the presentation and public comments I have a few concerns.

First, I feel that if the November 1, 2004 control date is going to be used that anyone who held a permit before then whether or not they used them should be entitled to keep their permit. I feel the use it or lose approach is extremely unfair. Lets question that accuracy of reporting. It is common knowledge that people have fabricated receipts and lied on reporting. My question to you is why should someone be rewarded for falsifying reports and someone like me who has not reported landings be penalized for not doing the same?

Secondly, I feel that if the date is changed to allow more individuals in then all General Scallop permit holders who hold a permit in 2006 be allowed in. After all, I received my permit renewal application in the mail approximately 10 days ago. This permit is still open access and can still be obtained by people who apply even today. There are still people gearing up and spending large sums of money to fish the fishery to subsidize income lost elsewhere, myself included.

Finally, I feel that if the general scallop fishery is posing such a problem. Then I feel one way to rectify the situation rather than eliminate any permit holder would be to allow each permit so many days. This way it is a win win situation. It prevents those permit holders from going everyday and the permits not being used are not hurting anything but yet are there to allow flexibility if needed.

Sincerely,

Joseph T Wagner, President



F/V Melanie Lee
John P. Ciliberto
925 Sunset Street
Trainer, Pa. 19061-5221
February 25, 2006

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950

Dear Mr. Howard and Council Members,

The GC Fishery is currently my only source of income. I am still in debt from buying and rerigging my boat for scallop fishery.

I had my permit before, November 2004, but was rerigging the boat until September 2005. This caused me, a huge financial burden.

I think ~~that~~ there should be a clause for this type of situation in your Fishery Management Plan. Because, if I lost my permit,

my crew and myself would be unemployed, and I would probably go bankrupt.

Perhaps other ways of reducing overfishing could be accomplished by dredge size restrictions.

I only pull a single 8' dredge.

Another idea I had is to take away the permits of the people caught in closed areas. Also people that go over the limit. The ones that cheat. This would help reduce some of the pressure in fishing and get rid of the people who cheat.

Also, there are a lot of people who have permits that are not active. They may have a VMS onboard for other fisheries, but do not rely on scalloping to make a living.

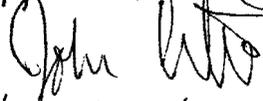
Maybe you could use a combination of qualifying things like a permit before November 2004 and an VMS

onboard with fishing activity.

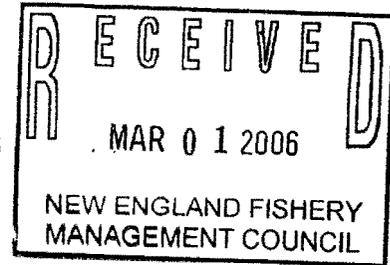
The GC, has also been a big economic boost for the local economy. I hope you will take ~~the~~ my personal and professional concerns and ideas into your consideration.

Most sincerely, and thank you,

John P. Ciliberto


F/V/Melanie Lee

SCALLOP SCOPING - DRAFT COMMENTS March 1, 2006



General Comments

The rationale and basis for the November 1, 2004 control date are not clear in relation to how this control date versus any other control date will control or affect effort and potential over fishing by general category permit holders, and, by extension, how a control date for general category permits will affect potential over fishing by limited access permit holders. Why is a control date not based on the seasons?

It appears that the estimated catch for 2006 will exceed the estimated overall TAC. The documentation and analyses should more clearly outline the TAC and catch for each area and sector and examine the potential and implications of over fishing in 2006 and 2007.

Over fishing cannot be determined for the entire resource or stock. Because of the sectors (limited access and general category) involved and rotational openings of the open and closed areas over fishing can only be determined on a "local" basis. It is not clear from how proposals to control the general category sector will affect overall over fishing or localized over fishing.

Consideration should be given to combining proposed Amendments 11 and 12.

It is difficult to determine at this point how separate consideration of general category and limited access sectors can comprehensively address the overall issue of controlling effort in order to avoid over fishing, given the dominance of landings by limited access vessels.

Changes in the general category permits have the potential to have a substantial economic affect on small fishing communities. These impacts must be carefully examined.

Directed general category vessels should be limited to dredges only.

Issue #1 - Limited Entry

If it determined that control of the general category permits are necessary to prevent over fishing, limited access for general category permits should be a leading consideration based on a control date (justified in relation to effort control and over fishing), landings, and possession of VMS. A control date based on the end of the 2006 season should be included in the DSEIS and compared with the proposed November 2004 control date.

In the consideration of limited access for general category permits, consolidation and stacking of permits should be considered on two bases: (1) permanent

transfer or sale of permits to allow consolidation on fewer vessels, and (2) stacking of permits with an option of stacking to allow more days at sea , or, multiples of trip landings limits.

Issue #2 - Allocation

The basis for allocation should be to achieve the stated purpose of the amendment; to control fishing effort in relation to the potential to cause over fishing. It appears that the primary concern is future (continued) growth of general category permit holders that might contribute to over fishing, rather than a current determination that general category permit landings are causing over fishing. This should be analyzed with consideration to holding general category landings within a limit (e.g. 35% allocation) and the potential to affect over fishing. There is no justification at this time to reduce the catch by general category permit holders. There is probably a practical limit to the continued expansion of general category permits under open access. This should be examined.

If allocations are made to the general category permits the allocations should be equated to days at sea by limited access permits.

Issue #3 - Dual application for limited access vessels

Landings under general category permits held by limited access vessels is relatively small in relation to the direct landings by limited access vessels (less than 1% most years). Consideration should be given to having clear categories of either limited access or general category landings, particularly if limited entry is adopted for general category permits and allocations to general category permits are equated to days at sea. If the TAC is allocated to limited access and general category, the 1% share of the general category catch by limited access vessels can be considered for allocation to limited access.

Issue #4 - Hard TAC's

It is difficult to understand how a hard TAC can be considered for the general category fishery without having a hard TAC for the entire fishery. It seems elementary that a general category hard TAC must be derived from a total hard TAC in order to understand the relationship of effort and over fishing by the general category fishery to over fishing by the entire fleet.

No hard TAC should be allocated to the fishery above 43.00. That area should remain an open access fishery based on a 100 pound landing limit.

Issue #5 - Sectors, DAPs

If dedicated access is implemented for general category permits to prevent over fishing, allowance should be included to form cooperatives and associations to achieve the greatest benefit for the many different classes of general category vessels.

Issue #6 – Incidental scallop catch

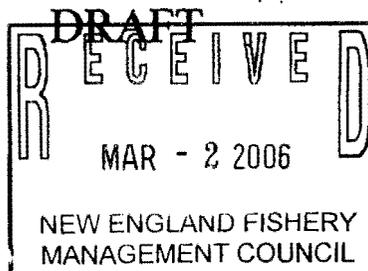
A 100 pound scallop by catch allowances for either vessels targeting other species or for general category vessels in the event a hard TAC is reached should be evaluated. In general, it appears that a 100 pound by catch allowance would have negligible effect on effort or over fishing at the current and anticipated resource levels.

Issue # 7 – Change of Fishing Year

The fishing year should not be changed in this amendment.

Anthony W. Watson
F/V Kellie Ann
8041 Ironshire Station Rd.
Berlin, MD 21811
(H) 410-641-3295
(cell) 410-726-1317

New England Fishery Management Council
 Scallop Management / General Scallop
 50 Water Street
 The Tannery Mill - 2
 Newbury Port MA 01950



Dear Sir,

As a scallop advisor I request print out of VMS scallop tow tracts for limited access vessels on days at sea be made available. To aiding the general scallop category discussion; VMS Towing tracts for Vessels engaged in day scalloping (based on vessel trip reports.)

(IT IS REQUESTED THAT THE TOWED AREA BE TO SCALE) (i.e.. the lines on the map represent the actual area towed to scale.)

THE REASON: After viewing where the Limited Access scallop Vessels tow for scallops when on open area days. It will be possible to draw a line along the coast to allow General Scalloping West of the Line; Limited Access scalloping East of the line.

This line will have East & West quarter or half mile no scallop zones, from the delineated line. Every fifth year the quarter or half mile no scallop zone will be removed to allow harvest by both sectors to the actual line.

In theory this action will allow general scalloping in the resource area closest to shore which is not traditionally worked by limited access scallopers. (VTS data will show historic open area used days; area actually used by limited access scallopers.)

Management with this method would allow partial utilization of a portion of the thirty to forty million pounds of scallops currently dying of senescence & predators (old age or size to large to move from predators(starfish)) per year due to lack of harvest. (lack or resource utilization, WASTE OF THE RESOURCE! can be addressed through general scalloping.

Resource variation from cycles could be compensated by moving the line East or West through management frame work or amendment. General Category access to managed areas (closed to allow grow out) would be allowed on the western portion of the managed areas when opened by drawing the same type general category harvest line. Dredges Vs Nets should not be an issue as the 400# price will control size harvested. Shell stock general Category scallops have additional value of roe. (Roe on scallops should be addressed as an addition to the allowed 400# (vessel landing roe on scallops could land 500# per day (25%) Full time vessels from closed areas could land 18,000# plus (25% roe) from closed areas without PSP. (Issue for Elephant trunk area when open.) Control date for new vessels should be moved to 2006!

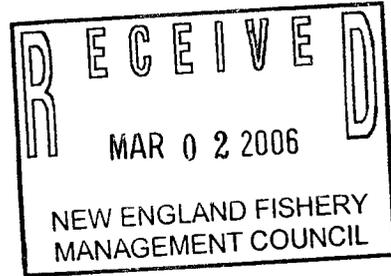
Number of general Category VMS vessels should be made available.

James Fletcher
 James Fletcher 123 Apple Rd Manns Harbor NC 27953 252 473 3287 cell 757-435
 8475

02-13-06

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:52 PM
To: Deirdre Boelke
Subject: [Fwd: comment on general cat.]



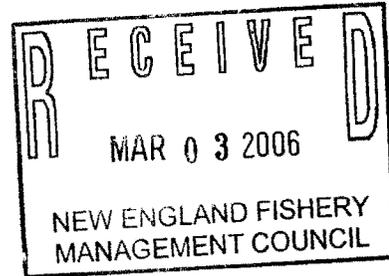
----- Original Message -----

Subject: comment on general cat.
Date: Thu, 02 Mar 2006 23:28:37 -0500
From: Jo Lundvall <lundvall17@msn.com>
To: Scallopscoping@noaa.gov

Dear sirs: My name is Eric Lundvall , I own th e F/V Rayna & Kerstin . I am a fishing industry veteren of 25 years from Barnegat Light , New Jersey. I am a current participant in the general category scallop fishery and have been well before the control date of November 1, 2004. I urge you to adhere to the control date for the gen. cat. fishery and adopt a limited access permit for participants involved prior to the date. I belive qualifying criteria should include a solid landing history of at least 20,000 lbs. of shucked scallop meats prior to the control date. Please do not let the same mistakes be made in other recent limited access fishery qualifications(example monkfish) where vessels qualified through loop holes such as providing reciepts for equipment or retrofitting prior to the control date. I find it unbelievable , the amount of vessels blatently rigging up to go scallop day fishing to this day just in Barnegat Light with out ever landing a scallop prior to the control date. I believe limited access vessel should also qualify to continue to participate in the general category fishery, as long as they participated in the gen.cat. fishery prior to the control date and had to provide the same qualifying landing criteria. Thank you in advance for reviewing my opinion. Eric L.Lundvall 400 Wood St. Little Egg Harbor NJ 08087 ph# 609-618-5360

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:52 PM
To: Deirdre Boelke
Subject: [Fwd: scoping comments]



----- Original Message -----

Subject: scoping comments
Date: Fri, 03 Mar 2006 05:35:41 -0800 (PST)
From: Joe Smith <cbass1246@yahoo.com>
To: ScallopScoping@noaa.gov

1 I would support limited entry as long as there are input controls in place to deter businesses from buying up all the permits. Boat size, dredge size, OWNER OPERATOR , will keep this fishery in the hands of fisherman, and allow young guys a chance.

2 Two points to factor into the allocation formula.1 this all goes back to amendment 4 which took 3-4 years to be completed. Well the government scientists and regulators were telling us during that whole time that the resource was IN TROUBLE so anyone who listen or saw with their own eyes, and did something different is not accounted for in your statistics. The government never said keep on fishing or you will be eliminated when the stocks recover.2 Check your survey results for 88-94 and you will see that the inshore resource was over fished first and hardest. A lot of day boats were squeezed out by the trip boat fleets irresponsible actions. They would stop there on the way out and come back in when the wind blew, towing all the time. WITH PROPER MANAGEMENT THE RECENT LANDING LEVELS ARE WHAT WE SHOULD HAVE BEEN ENJOYING ALL ALONG.

3 A day boat should be a day boat, eliminate the 80 footers

4 Hard Tactics will lead to derby fishing which has proven time and time again to be DEADLY.

5 Individual quotas seem like the safest and most easily enforced system.

6 keep it at 40 pounds

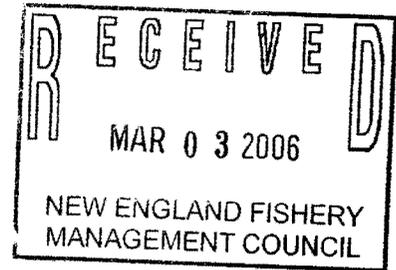
7 Go by the best available science.

Thank you
Capt. Joe Smith F/V ALISON LEE

Do You Yahoo!?
Tired of spam? Yahoo! Mail has the best spam protection around <http://mail.yahoo.com>

Mid Atlantic General Category Scallop Alliance

**1142 Hudson Road
Cambridge MD 21613
Phone 410 376 3200
Fax 410 376 2135**



March 3, 2006

Re: General Comments on General Category Scallop Scoping

The rationale and basis for the November 1, 2004 control date are not clear in relation to how this control date versus any other control date will control or affect effort and potential over fishing by general category permit holders, and, by extension, how a control date for general category permits will affect potential over fishing by limited access permit holders. Why is a control date not based on the seasons?

It appears that the estimated catch for 2006 will exceed the estimated overall TAC. The documentation and analyses should more clearly outline the TAC and catch for each area and sector and examine the potential and implications of over fishing in 2006 and 2007.

Over fishing cannot be determined for the entire resource or stock. Because of the sectors (limited access and general category) involved and rotational openings of the open and closed areas over fishing can only be determined on a "local" basis. It is not clear from how proposals to control the general category sector will affect overall over fishing or localized over fishing.

Consideration should be given to combining proposed Amendments 11 and 12. It is difficult to determine at this point how separate consideration of general category and limited access sectors can comprehensively address the overall issue of controlling effort in order to avoid over fishing, given the dominance of landings by limited access vessels.

Changes in the general category permits have the potential to have a substantial economic affect on small fishing communities. These impacts must be carefully examined.

Directed general category vessels should be limited to dredges only.

Issue #1 – Limited Entry

If it determined that control of the general category permits are necessary to prevent over fishing, limited access for general category permits should be a leading consideration based on a control date (justified in relation to effort control and over fishing), landings, and possession of VMS. A control date based on the end of the 2006 season should be included in the DSEIS and compared with the proposed November 2004 control date.

In the consideration of limited access for general category permits, consolidation and stacking of permits should be considered on two bases: (1) permanent transfer or sale of permits to allow consolidation on fewer vessels, and (2) stacking of permits with an option of stacking to allow more days at sea, or, multiples of trip landings limits.

Issue #2 – Allocation

The basis for allocation should be to achieve the stated purpose of the amendment; to control fishing effort in relation to the potential to cause over fishing. It appears that the primary concern is future (continued) growth of general category permit holders that might contribute to over fishing, rather than a current determination that general category permit landings are causing over fishing. This should be analyzed with consideration to holding general category landings within a limit (e.g. 35% allocation) and the potential to affect over fishing. There is no justification at this time to reduce the catch by general category permit holders. There is probably a practical limit to the continued expansion of general category permits under open access. This should be examined.

If allocations are made to the general category permits the allocations should be equated to days at sea by limited access permits.

Issue #3 – Dual application for limited access vessels

Landings under general category permits held by limited access vessels is relatively small in relation to the direct landings by limited access vessels (less than 1% most years). Consideration should be given to having clear categories of either limited access or general category landings, particularly if limited entry is adopted for general category permits and allocations to general category permits are equated to days at sea. If the TAC is allocated to limited access and general category, the 1% share of the general category catch by limited access vessels can be considered for allocation to limited access.

Issue #4 – Hard TAC's

It is difficult to understand how a hard TAC can be considered for the general category fishery without having a hard TAC for the entire fishery. It seems elementary that a general category hard TAC must be derived from a total hard TAC in order to understand the relationship of effort and over fishing by the general category fishery to over fishing by the entire fleet.

No hard TAC should be allocated to the fishery above 43.00. That area should remain an open access fishery based on a 100 pound landing limit.

Issue #5 – Sectors, DAPs

If dedicated access is implemented for general category permits to prevent over fishing, allowance should be included to form cooperatives and associations to achieve the greatest benefit for the many different classes of general category vessels.

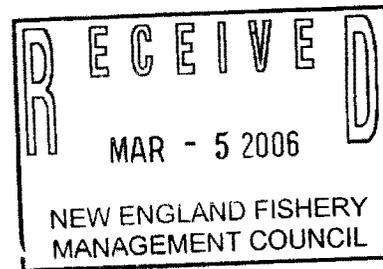
Issue #6 – Incidental scallop catch

A 100-pound scallop by catch allowances for either vessels targeting other species or for general category vessels in the event a hard TAC is reached should be evaluated. In general, it appears that a 100-pound by catch allowance would have negligible effect on effort or over fishing at the current and anticipated resource levels.

Issue # 7 – Change of Fishing Year

The fishing year should not be changed in this amendment.

David H. Wallace
For
MAGCSA



March 5, 2006

Dear Sirs,

Please consider my views regarding the seven points for opinion within the scallop scoping document.

1. Limited entry should be considered to curtail the growing number of General Scallop Category participants. However, those who have made financial commitments should be considered. Would you consider allowing those who committed to VMS purchase? It is clear their intent was to continue scalloping. Any level of landing would show their participation and should suffice the issue. It would be contrary to repeated NEFMC and NMFS literature that strongly emphasizes the existing General Scallop Category was established for limited harvesting and consequently requires a high level of landings to qualify for the license. To require a high level of landings would reward those who abused the category for it's original purpose and punish those of us who occasionally use it to fill gaps and work part time in that respect as intended.
2. Allocation should be evenly distributed between qualified participants but should be transferable in 1000 lb. increments to assure the maximum harvestable levels.
3. General Category licenses should not be allowed to be possessed by those boats who already harvest scallops under another license.
4. TAC should be for individuals not for sectors or industry.
5. We should not use TAC for sectors since most vessels are small and impractical for port changing.
6. Incidental catch should be allowed an expected level.
7. Fishing year should begin August 1 when the weather has settled down, not in winter when the seas are rough.

Gear should be limited to dredges no bigger than 10.5 foot to standardize equipment and harvest methods.

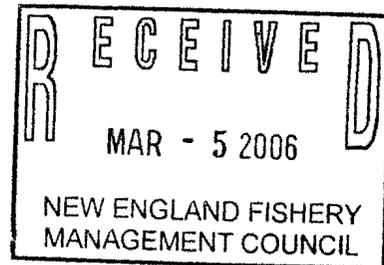
Each state should have a minimum number of eligible participants to assure all states have some representation in the industry. Based on historical port landings, not on state of ownership as some boats are incorporated in one state but land in many others. Delaware fisherman should have at least 10 eligible participants to assure safety to those returning to the same port.

Under NO circumstances should a derby type atmosphere be encouraged as this will surely result in men lost at sea when fishing in rough water while they should be at the dock. They may be afraid they will miss allocation if they don't fish as often as possible before the TAC is reached. The fishermen should be able to fill their allocation at their own discretion not pressured by derby fishing.

Ray G. Trout Jr.
F/V Emily Jayne
Lewes, Delaware
302-745-1793
PO Box 637
Lewes, DE 19958

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:57 PM
To: Deirdre Boelke
Subject: [Fwd: my comments to the council]



----- Original Message -----
Subject: my comments to the council
Date: Sun, 05 Mar 2006 17:29:02 -0800 (PST)
From: jack stormy <stormyseasllc@yahoo.com>
To: Scallopscoping@noaa.gov

To: Paul Howard

My name is Jimmy Hahn, I am 34 years old. I'm not a millionaire. I did not have a permit handed down from my family, I could not afford a boat when permits most limited access permits were given out. I currently purchased a 43' day scalloper that sails out of Ocean City Maryland, I currently hold every open access permit available from the NMFS including the general category scallop permit which I received after November 2004. I started scalloping in June of 2004, after spending over \$ 45,000.00 rigging my boat. Since June of 2004 I have made over 100 trips, In November of 2005 I purchased a Sky mate system per the NMFS to continue Scalloping. I have done everything to comply with the rules set by the NMFS. THIS IS MY LIVELY HOOD.

I believe the Council should use the controls that are in place now and not used the control date of Nov 2004. The VMS have lower the numbers of permits from 2700 to just over 835 That's almost a 70% decrease in effort. Next I think in order to hold a VMS permit you must have at least 30 days or 5000 pounds landed in a year. This would get rid of all the permit holders who do not plan to scallop but are waiting to sell their permits for big money.

I believe the allocations should be a little fairer. General Category boat only land 12% for over 2700+ permits, Limited Access boat land 88% for 300+ permits. How is that fair. Even if you use the VMS permits that's still 835 to 300. I don't think it needs to be 50% - 50% just a little closer in numbers. Since Limited Access can fish in both fisheries.

I believe the boats should either be Limited Access or General Category. NOT BOTH. The Limited Access are allowed now to catch over 87% TAC that's enough. Boats fishing in the General Category should not be able to fish with nets or a dredge over 10' 6".

I believe a hard TAC should be put in place for the entire east coast since most boats travel to find the scallops, not state quotes.

I believe that the scallop industry should be the first to implement a drug testing for the captains and crews if either test positive, the boat lose it permits. This would clean up and fishery loaded with drugs.

In closing by using the date of Nov 2004 for a cutoff date, you will make me spend an additional \$40,000. to \$100,000 for a permit to continue scalloping. I was not old enough to receive a Limited Access permit and do not have the money to purchase a permit. The General Category is my only way of scalloping. The scallops with the closed areas and proper regulations is a unlimited resource. I hope that you do not take my only way of making a living on the ocean.

Thanks
Jimmy Hahn
410 310 4296

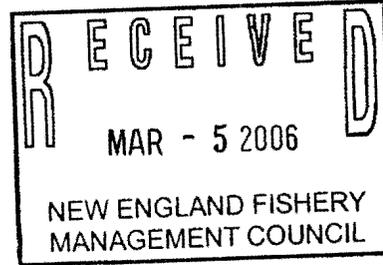
Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:57 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11 Scoping Comments]

----- Original Message -----

Subject: Atlantic Sea Scallop Amendment 11 Scoping Comments
Date: Sun, 05 Mar 2006 22:14:44 -0500
From: missrockville@adelphia.net
To: ScallopScoping@noaa.gov

Andy Keese
F/V Miss Rockville
Chatham Harbor, MA



Dear Council Members,

My name is Andy Keese. I am the owner-operator of the F/V Miss Rockville. I have listed my comments below pertaining amendment 11.

1. Owner-operators can only obtain a general category permit. This will keep the fisherman owning the fishery.

2. A size limit on vessels. This would help to prevent over fishing. Larger vessels can fish many more inclement days than smaller vessels. Weather would be a natural restriction on fishing time.

3. An eight foot dredge size limit for general category participants. Smaller dredges would be beneficial for the habitat and also slow down overfishing.

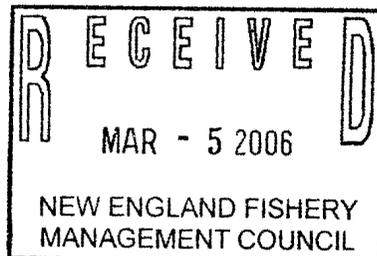
Thank-You.

Sincerely,

Andy Keese

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:57 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11]



----- Original Message -----
Subject: Atlantic Sea Scallop Amendment 11
Date: Sun, 05 Mar 2006 23:22:17 -0500
From: scallopt@bellsouth.net
To: Scallopscoping@noaa.gov

Dear Council members; Thank you for allowing me to voice my comments concerning the general scallop fisheries.

#1; Limited Entry- I would like to see limited entry implemented. My reason being pure economics for the vessels that qualify. To many vessels and no one survives. I know the council has and will continue to protect the fisheries. That is your job and my job is to try and stay profitable and give the consumer a very safe and healthy product. I would like the qualifying criteria to be based on the beginning of the 2005 fishing year (April) and also with the VMS installed by the allotted time established by the council. In other words if you were issued a permit by or before April 2005 and you installed a VMS on your vessel then you would qualify for a limited general category permit. I do not have enough info on the affects of the fishing communities. I do not know enough about the NE region, such as, the location of commercial docks that are left nor the location of the fishing grounds in respect to the docks. I do know that so far I haven't been

able to find a single dock north of Cape May, NJ that will allow my vessel to pack out. As for as fishing communities being impacted by anything the fishery councils do is a myth in today's world because there aren't any fishing communities south of Long Island left. They have been replaced by condos. #

2-Allocation; I am in favor of specific limits fishery wide. This way a permitted vessel will have the option to either stay or move to a more profitable area.

#3-Dual Application; I would like to see the limited Access vessel not be allowed to hold both permits. I can not understand why a LA vessel owner would consider a GC permit in the first place. These vessels, as you know, make a lot of money in a short time thanks to the hard work of the council in their fishery management. They have very little expense in their operation either in fuel

or wear and tear of their equipment. The GC vessels on the other hand have an enormous amount of expense coming in and out everyday. In the mid-atlantic region we steam an average of 60 miles each way to the fishing grounds and dock. The wear and tear on our equipment is astronomical and the amount of fuel used is STAGGERING. I can not see any impact on the LA permit vessel if they are not allowed to hold both permits. Without the catch data on the LA vessels while they were fishing for other species I can not say what would be a fair landing of scallops.

#4-Use of Hard TAC's; I am in favor of a hard TAC if and only if a limited entry is established. I think if a hard TAC and limited entry together were established there would never be a hard TAC limit caught in the general category fishery. The general category fishery is basically a May thru August fishery. My vessel fished this fall and winter

in the mid-atlantic region and was only able to fish 58 days from Sept. thru Jan. 2006. This was a mild fall and winter compared to other years otherwise I would not have fished that much.

#5-Use of DAP's; I do not understand anything about DAP's and how they work.

#6-Landings of incidental scallop catch; This is a very hard question for someone like myself to answer since I do not know what other fisheries would allow you to catch scallops as a by catch.

#7-Fishing year; I think the only people that can answer this question is the data collector and processors of the info.

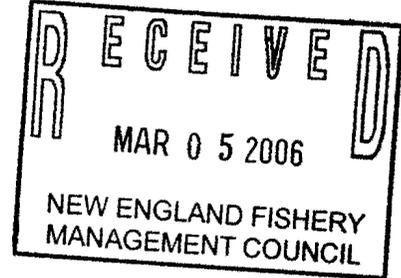
Once again thank you for your time. I hope some of it not all

of the above makes sense.

Thomas Brown owner F/V Jordan's

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:56 PM
To: Deirdre Boelke
Subject: [Fwd: Re: Fwd: GC scallop comment]



----- Original Message -----
Subject: Re: Fwd: GC scallop comment
Date: Sun, 05 Mar 2006 06:49:42 -0800 (PST)
From: Jim Brindley <brindley4@yahoo.com>
To: Scallopscoping@noaa.gov

don, COMMENT FOR GC SCALLOP SCOPING DOCUMENT

Issue #1- support control date.
Issue #2- support 5.8% for calculating GC share of projected landings.
-allocate DAS on individual basis.
(based on vessels best year (2000-2004) issue#3-allow dual application for LA vessels.

Jim Brindley

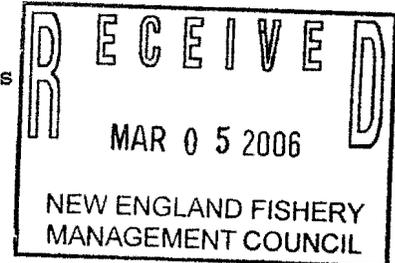
Yahoo! Mail
Use Photomail
<http://us.rd.yahoo.com/mail_us/taglines/pmail2/*http://photomail.mail.yahoo.com>
to share photos without annoying attachments.

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:56 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11 Scoping Comments]

----- Original Message -----

Subject: Atlantic Sea Scallop Amendment 11 Scoping Comments
Date: Sun, 05 Mar 2006 17:19:57 -0500 (EST)
From: Lfooks@aol.com
To: ScallopScoping@noaa.gov
CC: Lfooks@aol.com



Council Members;

I am writing to express my concern about the new regulations to general category permit holders. I have a gen-cat permit with vms.

My main concern is that the limited access permit holders are harvesting more scallops percentage wise than the gen-cat permit holders.

When I got my permit I was expecting to be able to work for myself and in so doing mortgaged everything to buy a boat and have it rigged for day scalloping. Should the council decide to severely limit or rescind my permit I will have to file bankruptcy and lose the home I grew up in.

I realize that management of the scallop harvest is necessary, therefore, I would suggest making scallop permits a closed entry .

Also, I would propose that permit holders not engaged in the harvesting of scallops be rescinded.

I disagree with the limited access permit holders who at the Cape May, NJ meeting wanted the Nov. 04 date to be utilized.

I was in the process of rigging my boat when the Nov 04 date was first mentioned.

I, of course, am only one voice but the economic impact of an average of 3 men per boat with families losing their only source of income will be devastating.

Also, as I mentioned at the meeting, the owners of limited access permits own more than one vessel, some as many as 15-20 with each boat stocking 2-3 million dollars per year. I'm struggling just to pay for my boat and household bills, as are most of the gen-cat permit holders I know.

As for Danny Cohen's comment that the cutoff date should be sooner than later, he wants no competition from the day scallopers when the elephant trunk opens.

If you subtract the permit holders not using them, and not allow vessels engaged in other fisheries {i.e. clamming, quahogging etc.} to catch 400 Lbs. a day, you would then have a better basis to pose a hard tac on the general category permit fleet.

Sincerely,

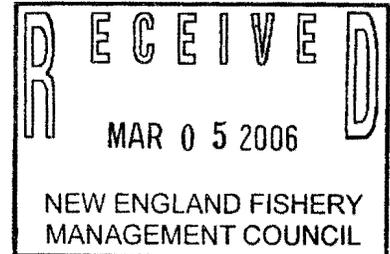
William Albert Fooks

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:55 PM
To: Deirdre Boelke
Subject: [Fwd: Opinions on amendent 11]

----- Original Message -----

Subject: Opinions on amendent 11
Date: Sun, 05 Mar 2006 22:49:13 +0000
From: johnmborden@comcast.net
To: ScallopScoping@noaa.gov (Fishery Management Council)



To: The Scallop Scoping Committee

I am the owner of two general scallop permitted fishing vessels: one is exclusively a scallop dragger and other is a vessel with a ground fish and lobster permit. Currently, they are both actively engaged in the scallop fishery.

Over 30 years, I have been a successful commercial fisherman by being both flexible and diversified. I have owned and operated both large offshore vessels and smaller day boats.

My comments on the seven issues are as follows.

Issue #1: On limited entry, the use of the control date will be effective in halting expansion and reduce the pressure on the resource. However, if this is coupled with landing history it will not be reasonable because some vessels have had to bounce around to make ends meet. Just having a permit prior to the control date should be sufficient to halt any expansion which appears to be your goal.

If landings are an issue, you should consider the vessels that have made the effort to be in compliance by purchasing/installing a VMS and not penalize them for the lack of landings prior to the control date.

Issue #2: Regarding separation of allocation, limited access vs. general, this is primarily a small boat fishery in New England. Limited access boats, on the other hand, are larger and have ten times the capability than general boats. This is not a logical comparison. I believe they should be separate based on the percentage of general vs. limited access participants.

Issue #3: I don't believe that limited access vessels need to consider utilizing the fishery under a general category permit after they have exhausted their days at sea allocation. They are successful enough without it and if the resource is over fished this would not help the situation. TAC is another way to complicate the process as well as eliminate the independent fisherman. The majority of general category boats are independent owner/operators.

Issue #4: As far as sectors, this is tough because there have been recent increases in both landings and effort in the southern areas, i.e. New Jersey to Virginia. If you allow them more TAC you will be rewarding them for their effort and also stimulating the over fishing and "cheating" that is occurring in that area.

Issue #5: Time windows are also tough for us in a New England fleet because we fish primarily smaller boats and sometimes have to travel further than the southern fisherman. We can only take advantage of small windows of weather and those never coincide with anyone's schedule.

Issue #6: Incidental landings should be allowed. There is far too much waste in the

industry already. I wish the fishery managers or the public was a little more aware of this problem. It would be an insult not to let a fisherman take home a meal. He has earned it.

Issue #7: The fishing years should stay the same. Changing it would give the regulators more to do to get this situation resolved.

Sincerely,

John M. Borden

Owner/Operator, F/V Mary Baker

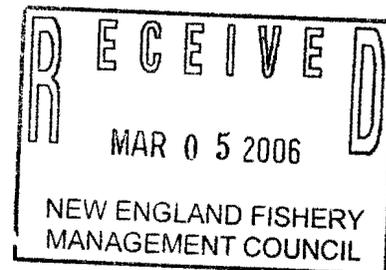
10 Charles Hill Road

Kittery Point ME 03905

207.439.6227

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:55 PM
To: Deirdre Boelke
Subject: [Fwd: Opinons on amendent 11]



----- Original Message -----
Subject: Opinons on amendent 11
Date: Sun, 05 Mar 2006 22:50:55 +0000
From: johnmborden@comcast.net
To: ScallopScoping@noaa.gov (Fishery Management Council)

To Scallop Scoping Committee:

I grew up in the New Bedford area and spent most of my life, for over 40 years, in the scallop industry. Currently, I am the captain of a general category scallop permit boat, however, I have been on both sides, big boats and small boats. Enclosed are my personal opinions and comments on your plans to control the fishery which seems to eventually phase out the active general scallop fishery.

Issue #1

It is my understanding that anyone who received a general scallop permit after November 1, 2004 did so with the understanding that it may not be valid in the future. I can live with that.

I don't think that the amount of scallops landed is as important as the fact that they were in the fishery before the control date. The communities most affected would be, as always, the small boats that live from stock check to stock check.

--

Issue #2

The allocations between general and limited access permits should be determined by the number of active permits in each category. For example, if there are 2500 general permits and 400 limited access permits, I would hope that at least 25% of the allocation would go to the general category, especially since limited access fishermen can become general access anytime they wish.

Issue #3

In the near future the limited access boats are due to receive an increase in their "days at sea". I would hope that they will no longer need to jump into the general category to survive.

Issue #4

At this time I believe that TACs would not be necessary due to the fact that boats who had to enter general category should be able to return to their fishery as their "days at sea" numbers return. These are both limited access boats as well as the "multi species" dragners. I believe we should all learn a valuable lesson about individual allocations from what happened to the Sea Clam fishery.

--

Issue #5

The general scallop fishery is made up of mostly independent individuals who work as they see fit. You would be hard pressed to find two of us who would agree on much of anything at all. Forcing us into formal groups, I think, would be courting disaster.

Issue #6

It is my opinion that other fisheries should be allowed to bring home a 50 lb. "bag" to eat" bycatch.

Issue #7

March 1 seems as good as any time to start a fishery year. It would not make sense to start it later, when scallops to spawn.

When I look out at the boats in the general scallop fishery, I see many 60-90 ft. boats that had to become general category scallop boats. It is my opinion that this is the reason for the increase in general scallop landings.

Hoping for a future,

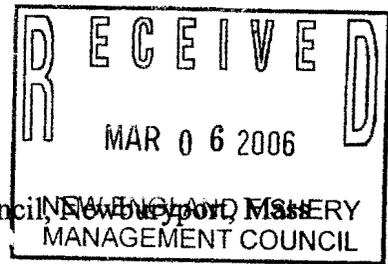
Dennis Williams

Captain F/V Intrepid

10 Charles Hill Road, Apt 1

Kittery Point, ME 03905

207.475.5302



Date: 6 March 2006

To: Scallop Committee, New England Fishery Management Council, Newburyport, Mass

From: Richard Taylor, www.seascallop.com, Box 7002, Gloucester, Mass rtaylor@cove.com

Subject: Comments submitted for the Scoping Process of Scallop Amendment 11

Background comments -- Whose scallops are these anyway?

The Council staff has done a good job in refining the short list of seven issues during the beginning of this scoping process for Amendment 11 to the Scallop Fishery Management Plan, especially so given the restrictive guidelines imposed by the Executive Committee on the issues that may be considered. Realizing fully that we have continually postponed addressing many of these issues, and that timely action is needed at this point, the delay has served to allow the benefits of area management to be seen by all concerned, and to think about how we manage the participants in this fishery going forward. The best news is that integrated within the document are questions that give opportunity to address some of these larger issues confronting us after seeing the rapid rebound of scallop populations possible using a more enlightened management strategy in the Atlantic scallop fishery such as we have witnessed these past few years.

With more effective management landings have grown to double the previous 30 years landings average, this with approximately 50% of the dredge time on bottom, and with a significant fraction of the traditional scallop production areas currently unavailable to the scallop fleet due to groundfish concerns. This situation has occurred while we have been hobbled by partial adherence to the Days At Sea equilibration to pounds. I believe that if we are careful biomass can continue to grow. Built into Amendment 10 is the concept of monitoring biomass in areas and then restricting catch to a small fraction that not only let's the remaining biomass grow to its former level but beyond it in succeeding years. Additional benefits are gained by having large numbers of adult spawners in close proximity each and every year producing an increasing amount of seed.

The core of my concern is that this is a renewable resource and we are handling it as if it were a perpetual corporate asset, first for the ~300 vessels identified in the initial qualification period 1985-1990, and now again for the nearly 3000 participants in the general category sector, based entirely on the timing of the birth of each permit holder. While identification of qualifying participants, and limits on effort, along with other changes, were mandatory in order to begin rebuilding the fishery, I find it difficult believe that the New England Fishery Management Council has a stated objective to ensconce a limited number of citizens with perpetual rights to the entire future biomass of the scallop resource, especially so in light of the continuing necessity of significant annual federal expenditures for continued assessment and management of this public resource. In my opinion that we should not let this happen, any more than we should bequeath the current commercial charter recreational fishing operators with perpetual rights to the cod, haddock or tuna resource.

Almost without exception each and every permit holder in the Limited Access DAS fleet served his time on deck, worked his way up to the wheelhouse, and then to an ownership position. At this time I estimate 50 to 75% of the current owners are ashore with a new generation of skippers

running their vessels. Given their age most of the remaining owner/operators will, in perhaps in as little as 10 years, come ashore as well, and almost all DAS vessels will be run by skippers that have no direct stake in the fishery. My question is: is this what we had in mind when we signed on to the Law of the Sea and began the Fishery Management Council process? A fleet of sharecroppers with no chance, short of winning the lottery, of ever sharing in the larger bounty brought on by effective management.

Central to all but the last scoping item (related to timing of the fishing year) in Amendment 11 are the concepts of allocation and percentage of catch effectively earmarked for certain permit categories and sectors. None of us would tolerate the idea that the first 300, (or the first 3000 to extend the analogy to the current general category discussion), settlers on this land had perpetual rights to cut down all the oak trees because they happened to be the ones that over-harvested the existing trees enough that government had to step in and regulate the harvest of oak trees. Even more onerous is the idea so that the permits to harvest trees might be passed down through generations as a family or corporate asset. This is exactly why the colonial citizens sought to throw off the British. We should not forget that lesson. Permits should expire with the permit holder and return to a common pool, so that succeeding generations of fishermen from ports that have been here for almost 400 years have access to these renewable resources. Left to exchange based on access to money these permits will flow toward corporations without a continuing stake in the fisheries, or the communities these fisheries help support.

Point by point comments to specific issues in the scoping document

1) Limited entry in the general category fishery

In the near term identification of the participants is critical, in the longer run we need to address future generations (and lest we think this is far into the future, implementation of a control date effectively establishes a new generation, as was the original Limited Access permit control dates). If we look closely at the data generated to date in the Scallop Plan Development meetings less than 100 vessels are responsible for the 75% of the landings and that has primarily been in one area in the Mid Atlantic. This situation would not have arisen if this area had been effectively surveyed, the biomass estimated, and landings controlled by maintaining the Fishing mortality at levels the .2 to .3 level as in the other managed areas. The situation points up the necessity of obtaining timely data. In particular, the General Category VTR data was withheld from the public for 5 years, while everyone on the docks in New Jersey watched them fill up with vessels.

2) Allocation between the limited and general category fleets

With the exception of the entirely arbitrary 2% TAC for the General Category from the Closed Areas this issue has been given little direct focus to date. I estimate the first 100 million pounds from these closed areas accrued solely to the Limited Access fleet. We must address this imbalance in this amendment. Dedicated inshore areas for General Category, managed under the rules established in Amendment 10, are one suggested method given the growth of the sector.

Tied directly to this issue is that there are different rules for vessels in different areas. I believe that local control is a primary goal, the implication is that then vessels are no longer free to move out of their local area.

A third issue within this item is that almost the entire Gulf of Maine is currently lost to the scallop fishery due to groundfish concerns. It is current (with the exception of the SMAST video survey on Stellwagen) a enormous wildcard in the biomass equation that must be addressed in this Amendment 11. This is a necessary item for future TAC Set Aside reseach funding.

3) Dual application for limited access vessels

Most Limited Access vessels have too far to steam to make it economically possible to participate in the General Category fishery even if they were interested in doing so. The result is that most are not in a position to use both permits. Additionally examination of the data provided to date reveals that this amount of scallops is not why we are having this Amendment. The only reason to go down this road is some perception of fairness of access, however solving this problem doesn't change the larger problem.

4) Use of hard TACs in the general category fishery (fleetwide, by area, season, sector or on an individual basis)

Fishery regulations should attempt to treat all participants with the same methods. As our assessment and landings tracking methods improve we will be in better shape to shift the entire fishery to TAC based on area, as we currently manage the Closed Area and Scallop Growout Areas fisheries. The remainder of the fleet fishing under DAS is not on a TAC, though this needs to be addressed as well.

5) Use of sectors and harvesting coops (Dedicated Access Privileges)

These are tremendously important long term issues as we move toward quota based fishery, the draggers will always have a bycatch of scallop, and we must begin here in this Amendment. I believe that adoption of community quota would help to preserve perpetual access to the scallop resource for historical fishing communities.

6) Landings of incidental scallop catch

This issue is rolled into the last (#5) and must be dealt with in this Amendment.

7) Change the fishing year

While on the surface of it the integration of survey data in the most timely manner is a critical issue, shifting the year forward to the fall starts off the vessels with the worst product in the worst weathers. Moving it back to January is less onerous but apparently not going to solve the data problem. I have yet to be convinced that changing the date will help us more than it hurts us.

Other items suggested for inclusion in Amendment 11

Nowhere have done the basic drill to have the General Category in what ever form or percentage operate under the provisions of our current management plan, Amendment 10, the plan that has essentially codified the use of closed rorational areas. This is central to long term success. Also we have not integrated the General Category into helping to provide the research necessary for improving their own management. This item needs addressing this time around as well.

Richard Taylor
www.seascallop.com
rtaylor@cove.com

Monday, March 06, 2006

I am writing this email to state my position on the general category scallop fishery for the development of Amendment 11. As a participant in the limited access fishery I feel due to the drastic increases in the general category fishery has contributed to scallops being over fished.

1) Limited entry in the general category fishery

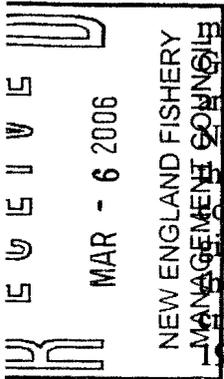
The first action the council needs to be considered is to use limited access to manage capacity in the general category fishery. I feel by using limited access to control GC you would be able to have a considerable amount of control on how many vessels and pounds to be landed and not just a wide open fishery as it is right now. The November 1, 2004 control date is a start on the qualifying criteria for limited access, but there is a enormous amount of vessels before that date and it will be a permit battle on the control date, when it should be on landings. I know that Limited Access fisherman were given the full-time, part-time and occasionally fishery standings due there participation in the fishery from 1985 to 1990. The council should take this approach and use a similar criteria based procedure of landings in pounds and trips landed from a date of 1994 to 1999. I pick this end date because that is when the Limited Access fisherman were seeing a abundance of scallops and GC fisherman weren't heavily participating in the fishery.

2) Allocation between the limited and general category fleets

The second action that the council is considering about the allocation between the limited and general category fleets is not fair or correct to the limited access fisherman. In the table on page 4 of the scoping document it dates back to 1994 when Limited Access were put upon DAS restrictions, which was a hard take then, but now know the fishery is substantially improved with record landings and minimum catch efforts due to the DAS, closed areas, and crew restrictions. The table states the efforts of each category, but the information that should be considered is that of the GC landings what else was landed with those scallop landings. Since the GC fishery was established to accommodate scallop by catch on fishing trips for other species, the council should consider using a criteria of what percent were targeting other species and what percent were targeting scallops in the GC fishery. By using this procedure you would be allocating of who and how many pounds were landed under each section of the general category. This would allocate a fair and equitable division of the fishery to find out who was directly fishing for scallops and who was using the general category for its original cause. I feel a major contribution to having a general category fishery now and for the past few years was due to the hardships the Limited Access Fisherman endured and not the general category direct fisherman of today.

3) Dual application for limited access vessels

The third action council should take into account is about whether a limited access should bear both a limited access and general category permits. Limited Access vessels should not be prohibited from targeting scallops under general category rules but should endure some guide lines in the fishery. Table 1 of the scoping document states that limited access vessels landed 0.70% in 2005 and an average of 0.54% since 1994 which is not a considerable amount of landings but those landing provide a positive economical impact for the vessels. One of the main reason I feel that Limited Access vessels should participate under general category rules is that many captains are getting older and by allowing to be a participant under general category rules it allows younger prospects of the scallop industry to operate the vessel and learn how to catch scallops so there can be a



Monday, March 06, 2006

new era of fisherman in the scallop fishery. Another reason I feel that limited access vessels should be able to participate is that with the opening of closed areas on Georges Bank and Nantucket in the recent years many vessels are steaming from the mid Atlantic states a day and a half to get to the ports to where they will be fishing while fishing these closed area trips, by allowing to harvest the allowable 400 lbs. of scallops it enables to put that towards the current price of fuel of 2.20 per gallon. By not allowing Limited Access vessels to participate at all is very detrimental, but I do feel there should be a certain percentage of allocation for this part of the fishery. I believe that limited access vessels should always be allowed to fish under general category rules and if not the impacts for not allowing participation are going to be substantially negative for the stated reasons.

4) Use of hard TACs in the general category fishery

In the forth action of using hard TACs in the general category fishery by fleetwide, by area, season, sector or on an individual basis will have many outcomes upon each action. A hard TAC of scallops in the general category fishery would be the best and most effective way of managing this Day Fishing. The council needs to consider on a individual bases of how many trips and many pounds of scallops were legally landed from a time line of 1994 to 1999. A key part of data that should be taken into account is what other types of species on how many pounds were reported in that time line on there Fishing Vessel Trip Report. This would allow to see who landed and what was landed to see who gets how many pounds in a TAC approach. Another approach would be to take the average of landings since 1994 and that can be the allocation of scallops to the general category including the limited access fisherman. I also feel an implementation of a harvest period should be looked into since day boats are fishing the winter months when scallop yields are about 64 bushels for 400 lbs, to where in the summer months it is around 44 bushels respectively. That is a considerable amount of more scallops that needs to be harvested to achieve the 400 lb. limit.

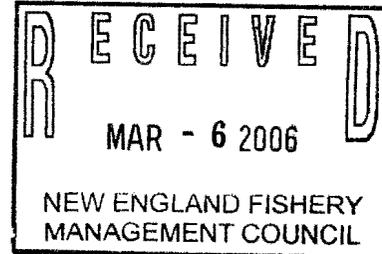
The comments that I have provided from the scoping document for Amendment 11, I would anticipate them to be taken in consideration for the best possible outcome in the scallop fishery. The short term effects of "Day Fishing" for scallops is going to be harsh to the long term outcome of having a renewable resource of scallops. At my age 22 I have participated in the Limited Access Scallop fishery since 1999 with my father who has been at for 27 years now, and I am next in line to take over operations and consider myself and others my age the next generation to the fishing industry. I know I have not been in the fishery as long as others but it is obvious to see the substantial improvement to the fishery that have made to bring it to this level of success.

Thank you for taking the time to listen my concerns. I can be reached by email at offshore5073@hotmail.com for future information or concerns and if there if a mailing list of information I would like to be on that list to receive future information.

Sincerely,

Charles Wiscott
Fishing Vessel Susan L
Cape May, NJ

New England Fishery Management Council
50 Water Street
Newburyport, MA 01950



Attn: Frank Blout, Deirdre Boelke

1. The council must use a the control date already set with the possible consideration for appeal process for vessels purchased or rigged ahead of the time of the control date. The people affected by this will be the owner/operator.
2. Finances must be considered in the allocation between General Category and Limited Access Vessels. Currently Limited Access Vessels Stock between 1.2-1.8 million dollars per year, many owners have multiple vessels which gives them the resources to buy permits for this and other fisheries. General Category Vessels are mostly owner/operated without the financial means to buy permits. This is their sole income.
3. Limited Access Vessels should not be allowed to fish in the General Category unless there on a day at sea. Limited Access Vessels will have a much greater impact on General Category Vessels already facing what seems to be a severely limited fishery. Why should the Limited Access Vessels be allowed to fish in the General Category when there days at sea have expired under the Limited Access Vessels.
4. I believe a hard TAC should be used only if it is used for limited access vessels. This has historically formed Derby Style Fishing.

Thank you in advance for you time,

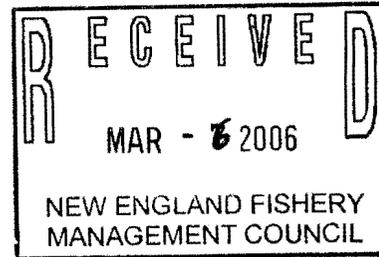
Neal Kitson
Owner F/V Lori Megg
Barnegat Light, NJ 08006

East Coast Fisheries Federation, Inc.

Received via email on 3/6/06:

March 6, 2006

Mr. Thomas Hill, Chairman
Scallop Committee, NEFMC
50 Water Street. Mill 2
Newburyport MA 01950



Dear Tom:

First, my thanks for your skilled Chairmanship of the New Hampshire and Hyannis scoping hearings. They were very well run and distractions diplomatically avoided. My compliments to Dierdre as well for her clear presentation.

Following up on my remarks at the hearing, it is important for the Council to be aware of the unique situation which has been created for the full-time scallop fleet. As I noted, catching a few winter flounder off New Jersey in the groundfish qualifying period now enables a permit-holder to fish for haddock, graysole and pollock on Georges or in the Gulf of Maine. The same is true in several other FMPs crafted by both the NEFMC and MAFMC.

Exactly the opposite was done with the full-time scallop fleet. Despite substantial history in both the monkfish and yellowtail fisheries, they were effectively denied those opportunities. This is in spite of the fact that, in many cases, full-time scallop boats caught far more monkfish and yellowtail than those who were eventually given permits.

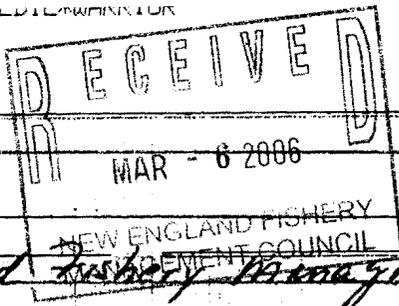
Prior Council actions have created a large group of people in the full-time scallop fleet who have been made utterly dependent on a single species. I point this out only to make the Council keenly aware that, having created that unique dependence, there is a special obligation with it. That obligation is to realize that Council actions must be consistent with the situation the Council itself created. This applies whether the issue is the General Category fishery, the Elephant Trunk fishery, or anything else.

I hope that realization will guide all the future scallop actions taken by the Council, and thank you for your consideration of this aspect of scallop management.

Sincerely,

via email
James D. O'Malley
Executive Director

P.O. Box 649 · Narragansett, RI 02882
Phone: (401) 782-3440 · Fax: (401) 782-4840



MARCH 6th, 2006

New England Fishery Management Council

Faxed 978 465 3116

Re: Amendment 11 to Sea Scallop Fishery Management Plan
 Attention: Dieder

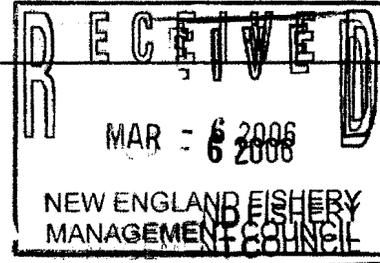
The right to catch 400 lb. per day is part of the Limited Access Permit if that is taken from the Limited Access Permit it would be diminishing the value of the Limited Access Permits. The 400 lb. right is part of the Limited Access Permit; it is folded in it is not a separate Permit, this has been the case since Amendment 4 to Sea Scallop F.M.P. I object to taking this Right Away - I spoke to you on the phone but I wanted to put it in writing to make it ^{part} of the Record as today is the first day. So it is my opinion that in taking away the 400 lb. would be that Amendment 11 is about more than General Permits.

Sincerely,
 Harris Ann Robinson
 HR

Atlantic Sea Scallop Amendment 11
Scoping comments

**ERIC
Lundvall**

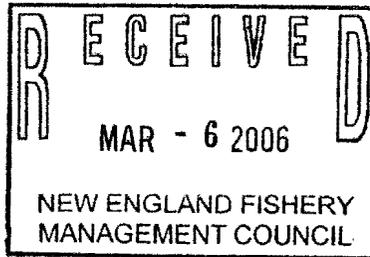
From: "Jo Lundvall" <lundvall17@msn.com>
To: <Scallopscoping@noaa.gov>
Sent: Thursday, March 02, 2006 11:28 PM
Subject: comment on general cat.



Dear sirs: My name is Eric Lundvall , I own th e F/V Rayna & Kerstin . I am a fishing industry veteren of 25 years from Barnegat Light , New Jersey. I am a current participant in the general category scallop fishery and have been well before the control date of November 1, 2004. I urge you to adhere to the control date for the gen. cat. fishery and adopt a limited access permit for participants involved prior to the date. I belive qualifying criteria should include a solid landing history of at least 20,000 lbs. of shucked scallop meats prior to the control date. Please do not let the same mistakes be made in other recent limited access fishery qualifications(example monkfish) where vessels qualified through loop holes such as providing reciepts for equipment or retrofitting prior to the control date. I find it unbelievable , the amount of vessels blatently rigging up to go scallop day fishing to this day just in Barnegat Light with out ever landing a scallop prior to the control date. I believe limited access vessel should also qualify to continue to participate in the general category fishery, as long as they participated in the gen.cat. fishery prior to the control date and had to provide the same qualifying landing criteria. Thank you in advance for reviewing my opinion. Eric L.Lundvall 400 Wood St. Little Egg Harbor NJ 08087 ph# 609-618-5360

Sincerely,

ERIC L. LUNDVALL



New England Fishery Management Council
50 Water Street
Newburyport, MA 01950

Attn: Frank Blout, Deirdre Boelke

I attended the general category meeting in Cape May, NJ and was pleased to see the turn out and hear the discussion. I currently have two general category vessels day scalloping out of Lunds Docks, in Cape May, NJ. As a boat owner I agree with the council that their needs to be control established in the General Category Scallop Industry.

Since the VMS tracking device became mandatory for all vessels who day scallop under the General Category, the number of active permits has greatly been reduced from roughly 2800-800 permits. If this isn't reduction of the industry what is? Installing the VMS was a financial burden and it took days away from sea, but I knew it was required to be installed on my boats to continue to day scallop. I spent roughly \$10,000.00 to purchase the VMS tracking system and the cost of labor was over \$1600.00. I lost days at sea and that equals lost income, but I took the money and time to install the VMS because day scalloping is my future and my income. I employ two full time crews who have worked for our corporation for over a year and this is their income, all of our lives will be affected by this proposed amendment by council. I don't have the money to buy a full-time permit, the General Category is my only source of income.

But I also feel there must be an appeal process for boat owners who didn't have any landings by the control date. This crucial to many of us in the General Category Industry who put all our money and resources into our boats before we could get any landings. In my case I spent \$35,000.00 to rebuild my engine after my engine blew up, which was unexpected. The boat was purchased in May of 2004, had a permit by August 2004, but because of the unexpected time and cost of the engine work. The boat didn't make its first trip until December 2004. The General Category Permit holders are not rich, we don't have the financial resources like the Limited Access Vessels, The Limited Access Vessels are much more well off financially, they have the resources to buy new boats and new permits. The 400lb limit has to stay in affect otherwise bigger boats who burn more fuel would not be able to make a living. Limited Access Vessels should NOT Be allowed t fish in the General Category unless there on a day at Sea. Limited Access Vessels will have much greater impact on General Category Vessels already facing a severely limited fishery. The Limited Access Vessels should not be allowed to go out and catch 400lbs when they have used all of their days at sea. Its not fair.

Although it wasn't intended to turn out that way, for many of us the General Category has turned into a Directed Fishery, we have no other income, we don't have other boats and permits, we don't have the 1.2-2 million dollars a year income off our boats a year like the Limited Access Boats have. I believe a TAC should only be used for

Limited access vessels. If a TAC is put in place, boats will be forced to go out to sea in conditions that are unsafe to catch the quota before it is officially caught. The boats going out to see will become a free for all.

The bottom line, is we agree with council we need control, but we feel an appeal process is necessary for the benefit of the people who have invested money and time in an industry that was full of promise, but because of a few, things have started to decline. The General Category guys will loose everything they have, look beyond boats, lets look at the big picture, billsnot being paid, mortgages, health insurance for our children. These two industries can't seem to work together, The Limited Access Boats and the General Category Boats, because the Rich stay Rich and the working men don't seem to be protected. As one of your council members told me, he would rather see me collect unemployment than send my boats to sea. That's really working together.

Thank you for your time,

Eric N. Kitson
Operations Manager
J&B Fisheries, Inc
Cape May, NJ

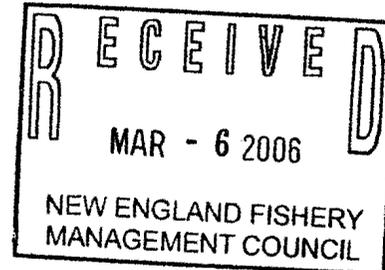


JOHN ELIAS BALDACCI
GOVERNOR

STATE OF MAINE
DEPARTMENT OF
MARINE RESOURCES
21 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0021

GEORGE D. LAPOINTE
COMMISSIONER

March 6, 2006



Paul Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill 2
Newburyport, MA 01950

Dear Paul:

I am writing to comment on the scoping process for Amendment 11 to the Scallop FMP. DMR hosted several meetings of our own between Feb. 6 and Feb. 13 and collected feedback from the industry. Comments from interested parties who attended those meetings are incorporated into the letter. Comments specific to each meeting are attached.

The scoping document lists several issues and requests advice on those issues, so I'll structure this letter according to that format.

Issue 1: Limited Entry in the general category (GC) fishery:

The Council has already committed to limited entry in the GC fishery to control the increasing effort, especially given that for the past three years the fishing mortality rate for scallops has been higher than the target rate and thus the fishery has had overfishing occurring. I am very concerned however about shutting people out who are not having an impact on the fishery.

I'll describe Maine's active GC fleet: There are some Maine fishermen (less than 50) who choose to travel to Cape Cod or Southern New England for some portion of the year to supplement their income by day-boat scalloping in a directed fishery for a few weeks up to a couple months. There are also a very few fishermen in Maine who choose to day-boat scallop in a directed fishery from the Cape or Southern New England for their sole source of income.

By far the vast majority of our fishermen would go scalloping in federal waters if there were scallops in the Gulf of Maine (GOM), but there haven't been enough scallops to pursue since the late 1980s. I think it is very important for the people in coastal Maine to have access to the scallop resource in the GOM when the resource in this area returns. These are the people I do not want to exclude from the fishery - they are not fishing, they don't want to travel to where the scallops are, but if the resource returns in the GOM, they should have the opportunity to harvest that resource. With this in mind I suggest continuing an open fishery for the waters north of 43-00 north latitude with a maximum landing limit of 200 pounds per calendar day with the same input controls as the current small dredge exemption area in the GOM (a maximum dredge width



PRINTED ON RECYCLED PAPER

OFFICES AT STEVENS SCHOOL COMPLEX, HALLOWELL.

PHONE: (207) 624-6550

TTY: (207) 297-4474

<http://www.maine.gov/dmr>

FAX: (207) 624-6024

Paul Howard

Page 2

March 6, 2006

of 10.5 feet, four inch rings, 10 inch twine tops, no more than 5 persons allowed on board) and with the additional caveat that the vessel must be owner operated (with reasonable exceptions¹).

I note that the scallop survey is not done in the GOM so we really have no idea what is out there. I respectfully request that the Science Center and SMAST include the GOM in their scallop surveys.

Control Date:

There is some controversy among the Maine industry regarding the control date. There are certainly some members of our industry who would prefer that Dec. 1, 2005 (VMS installation date) were the control date. However, I think the right thing is to honor the Control date set by the Council in 2004 and leave it at Nov. 1 2004.

Issue 2. Allocation between the Limited and General Category Fleet:

This is a tricky issue that has generated much discussion among the Maine industry. I recognize there is a lot of pressure to allocate landings to the GC fleet at their historic levels. However there are several reasons not to submit to this pressure, and allow the GC fleet the opportunity to catch a larger proportion of the TAC than they did in past.

First, we are already limiting the GC fishery by making it limited access and cutting more than 2000 permits out of the fishery.

Second, the increase in landings in the scallop fishery gives us enough scallops and economic benefit from the fishery to allow a higher percentage to the GC fleet while continuing increased economic benefits to the limited access fleet.

Third, the original intent of the GC fishery in Amendment 4 was to allow for a small directed fishery by day-boats and a bycatch fishery for those vessels targeting other stocks, which have some small incidental catch of scallops.

I strongly support increasing the allocation to the GC fleet above historic levels to a level that will allow a sustainable and economically viable day-boat fishery. I think we should allow a day-boat fishery to exist and craft the amendment accordingly.

Issue 3. Dual Application for Limited Access vessels:

Given the fact that the fishery has had overfishing occurring in each of the past three years, it suggests that the current management system is not working. Because we are closing the GC fishery to new entrants and new effort, then we should not allow Limited Access vessels to fish outside of their DAS. The Limited Access fleet has access to (and has landed) millions of pounds of

¹ Reasonable exceptions to be determined by the Council but to include immediate family members in the case of death or disability.

Paul Howard

Page 3

March 6, 2006

scallops through their DAS and Special Access Areas. In a fishery where overfishing is occurring, it does not make sense to allow the biggest, most effective harvesting platforms to fish outside the regulations designed to control their effort. The Limited Access vessels should not be allowed to fish in the day-boat fleet.

According to the table on page 4 of the scoping document, Limited access vessels fishing outside their DAS landed 0.70% of 5.6 million pounds – or 39,200 pounds in 2005 – a pretty insignificant number of pounds relative to their total projected landings of over 60 million pounds. In spite of this low landing, I feel very strongly that limited access boats (with DAS and access to Special Access Areas) should not be able to fish as part of the day-boat fleet. We should reserve that category for smaller vessels that can only fish the near shore.

However, if the Limited Access vessels are targeting other species and have bycatch of scallops, they should be allowed to keep a very small daily trip limit – I suggest something on the order of 200 pounds per calendar day, up to some reasonable maximum based on scientific evidence of bycatch rates.

Issue 4. Use of Hard TACs in the GC fishery (fleetwide, by area, season, sector or individually)

I do not think it is appropriate to limit the GC fleet with a Hard TAC if the Limited Access fleet will continue to operate without a Hard TAC. If the entire fleet will be required to operate under (limited access, day-boat, bycatch) were to shift to a Hard TAC, then perhaps it should be done such that 80% of the TAC is allocated to the Limited Access fleet, 19% to the GC fleet and 1% to the bycatch in all other fisheries.

If we have to go to individual TACs then for the Limited Access fleet, it should be done according to permit category and using historical activity (years and pounds landed) as qualifying criteria. For the GC fleet, an area based TAC may be preferable given that a line already exists at 73-00 west separating the Mid Atlantic from Southern New England.

I recognize that this is a controversial issue and there is no way to do any allocation fairly. It is true the limited access boats have made a commitment to this fishery but there is a historical and culturally important day-boat fleet in New England that is getting wiped out by the march towards economic efficiency. I strongly believe there should be room in this (and other FMPs) for a day-boat fishery to operate sustainably.

Issue 5. Use of Sectors and Harvesting Cooperatives (Dedicated Access Privileges):

If the Council decides to go along with Hard TACs then the development of sectors and co-ops should be allowed. That said, I think the first question to be answered has to be whether the Council will recommend Hard TACs for the entire scallop fishery. If the Council votes to recommend Hard TACs it should be for every segment of the fishery and special access area, not just for the GC fleet.

Paul Howard

Page 4

March 6, 2006

Issue 6. Landings of Incidental scallop catch:

As mentioned earlier, landing scallops caught incidentally in other fisheries should be allowed; I suggest a 100 pound landing limit as a place to start. It may be necessary to prevent over-harvest by assigning a bycatch cap to each fishery based on historic patterns.

Issue 7: Changing the Fishing Year:

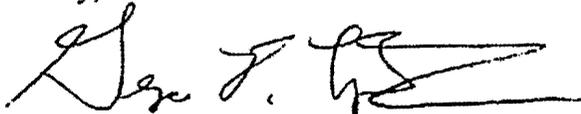
I am opposed to changing the fishing year because if the year were to start in the fall, when the data was all collected, the day-boats, particularly in New England would be at a significant disadvantage due to weather. I think it would unnecessarily complicate the scallop plan if the limited access boats started at one time and the day-boat fleet started at another time. We should leave the start of the fishing year for scallops at March 1.

Other Issues:

I appreciate the Regional Administrator sending out the letter (February 17, 2006) addressing the concerns of vessel owners who may have sold their boat, bought another one without retaining their catch history. There are quite a few Maine fishermen who are in this situation and are concerned they will lose access to the fishery. I would be happy to discuss options of how to address this problem if you have any suggestions.

Please contact me if you have any questions about my comments.

Sincerely,

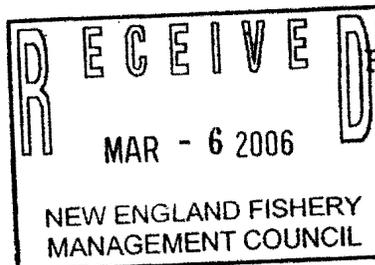


George D. Lapointe
Commissioner

cc: Tom Hill

W. William Anderson

702 Dixie Road
Moose River Cove
So. Trescott, Maine 04652
United States of America
207-733-2179



February 22, 2006

George D. Lapointe, Commissioner
Department of Marine Resources
21 State House Station
Augusta, Maine 04333-0021

Dear Commissioner Lapointe:

I received your notice of meetings to discuss General Category Scallop permits. I hold a 1B General Category Scallop permits. According to Commercial Fisheries News only 816 vessels have taken out 1B permits by early December. This alone significantly limits the number of boats with 400# permits. It is my opinion that anyone who went to the trouble of purchasing and installing a VMS by December 1, 200 should allowed to stay in the 400# category, weather they have landings or not.

From what I read there is concern about effort in the General Category. You now have 800 vessels to put in a Limited Access General Category with permission to land 400#. There were 2831 in the 400# General Category. This is a very significant reduction in potential effort. Everyone had months to decide whether having the ability to land 400# per day was important to their operation.

If you want to have a total allowable catch it should effect all limited access boats not just General Category Boats. When you reach the total allowable catch General Category boats should be able to continue to fish at the 40# per day level. Or at least those with VMS so all additional landings are recorded this way.

Those bigger boats have deeper pockets and many are large companies with multiple boats in many fisheries in some cases. Allowing 800 boats to continue to fish at the 40 pound per day level would allow a small operator to continue to have some cash flow to pay bills or buy groceries. I do not feel it would be fair to put a total allowable catch limit on the small boats while the big boats just keep on fishing. It appears to me that there has been some significant increased in effort in those limited access categories. There are always new boats being built old boats with permits purchased and upgraded.

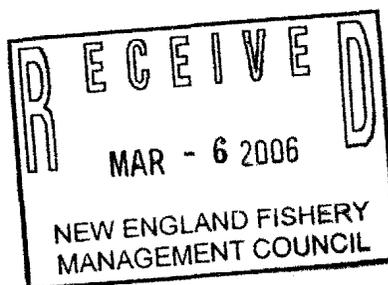
I see where the New England General Category Scallopers Coalition was thinking about limiting drag size at 8 feet I could support that or 10 feet limitation similar to Maine Law. If drag size is seen as necessary for General Category Limited Access Boats. They are already limited by the amount they can land. It would be nice if you could work with The NEGCSO to come up with a proposal for limited access General Category Boats to be submitted to the New England Council so General Category Boats with 1B permits will speak with one voice and have a better chance of getting what they want or need.

Can a General Category Permitted boat go on a multiple day trips as long as they do not exceed the per day limit or do they have to come in to port every night? For example, Three days out can not land over 1200# or do I have to come in to port every night and land my scallops?

Sincerely,

W. William Anderson

Paul J. Howard
Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950



Bob Baines
F/V THRASHER
89 Waterman Beach Rd.
South Thomaston, Me. 04858

2/9/06

GENERAL CATEGORY SCALLOP COMMENTS

Dear Mr. Howard,

I am a Maine lobsterman who has also participated in the scallop fishery for over 20 years. I have held a general category permit with landings history since 1993. It is extremely important for Maine fishermen who hold a general category scallop permit to retain the ability to harvest scallops in waters off the New England coast. Many of the fishermen who hold general category scallop permits fish on small boats in a directed fishery either on a seasonal or full time basis. The ability to continue in this fishery will allow the owner operator, small boat fleet to survive in an arena being dominated by big boat, corporate owned operations.

1. If it is the intent of Amendment 11 to control capacity in the general category fleet, then limited entry must be used. I would support the control date that has been established, although there is not much difference in the number of permits issued in '04 compared to '05. Qualifications for a limited access program should be based on hundreds of pounds of scallops landed while holding a general category permit during the last ten years.

2/3. An allocation between the limited and general category fleet should only be considered if the limited access fleet is prohibited from landing scallops under their general category permit (double dipping). A 20% quota would be a fair allocation to allow the small boat fleet to maintain economic stability. A north/south sector should be considered to evenly distribute effort.

4. A hard TAC should be used for the entire general category fleet, along with limited entry, but not on an individual basis. It would not be in the best interest of the fishing community to create individual ownership of harvesting rights. A fleet wide TAC with area and/or season limits would effectively control effort.

5. The use of sectors or harvesting co-ops should be a part of the plan as long as all qualifying general category permit holders can participate. Sector allocation has the potential to provide better stewardship of the resource, but many questions first need to be answered as far as who has the right to harvest under the general category permit.

6. If a limited access program is initiated in the general category fishery, there should be no bycatch of scallops allowed by vessels which do not have general category permits. The scallops can be returned with minimal discard mortality. Under a hard TAC, any incidental catch should be prohibited when the quota is reached.

7. If the general category fleet is managed under a hard TAC, the fishing year should not be changed. The general category, directed fishery scallop fleet, is predominantly a small boat fishery. A change in the fishing year to later in the year could put these boats at risk by fishing later into the fall and winter months fearing there would be no quota left by springtime. The current fishing year provides these boats with the best weather which affords the fishermen the safest time of year to be working in small boats.

I have two other comments that I feel are relevant to the General Category Scallop Fishery. There seems to be a problem in the inability to transfer general category permit history. I know of a number of fishermen who have lost their history after building new boats and not being able to transfer their old permits to the new boat because it is still an open access fishery. This problem needs to be rectified if Amendment 11 is going to make the general category scallop fishery a limited access fishery and where entry is based on the control date and history.

Also, and I understand that this has nothing to do with Amendment 11, general category fishermen must be allowed back into the traditional fishing grounds in the Great South Channel. The general category fleet is using the same gear as the limited access fleet, so there is absolutely no reason why they should be treated any differently than the limited access fleet. The general category fleet must be designated as an exempted fishery which would sustain the economic viability of the fleet and spread effort over a much larger area.

Sincerely,

Bob Baines
rsbaines@adelphia.net

DMR Scallop Meeting Summary

Portland, ME

Feb 6, 2006

Meeting Room at the Casco Bay Lines Ferry Terminal

In attendance: George Lapointe, Terry Stockwell, Cindy Smith, Barbara Stevenson, Maggie Raymond, Kurt Denholm, Terry Alexander, John Higgins, Phillip Chase, David Todd, Mark Roberts, Mike Stinchfield, David Horner

Points from Portland Meeting:

- The rules should be changed so the Limited Access (LA) vessels cannot fish outside of their DAS under General Category (GC) rules. Limited Access vessels should not be able to fish outside their DAS.
- There are two kinds of (federal waters) scallopers in Maine - a directed day boat fishery and a bycatch fishery. We must protect both.
- It is critical to allow bycatch of scallops in the groundfish (particularly the yellowtail founder) fishery.
- The bycatch catch limit should be more than 40 pounds per trip, 40 pounds is too low.
- Allocating 2-5% of the TTAC to the GC sector of the fishery is way too low. The GC sector should be allocated at least 20% of the TTAC.
- The Nov 1, 2004 control date should be changed – possibly to December 1, 2005 when VMS was required.
- There should be an open access permit in the small dredge exemption area in the GoM – with maybe a 200 pound landing limit.
- Suggest giving the guys with no recent landings history a limited number of DAS to fish at 400 pounds per DAS.

DMR Scallop Meeting Summary
Rockland, ME
Feb 7, 2006
Marine Patrol Meeting Room (Ferry Terminal)

In attendance: George Lapointe, Terry Stockwell, Cindy Smith, Alan Talbot, Dennis Young, Jr., Wallace Gray, John Higgins, James Wotten, Gordon Connell, Doug McLennon, Michael Ball, Jeremy Smally, William P. Waldren, Bob Baines, Jeremy Alley, Matt Ross, Ivan Chase, David Aho

Points from Rockland Meeting:

- GC sector of the federal scallop fishery should be allocated at least 15-20% of the TTAC
- ME fishermen need flexibility to fish in different fisheries throughout the year.
- Opposed to having the VMS requirement be part of the qualifying criteria.
- Maine fishermen need access to the GOM scallops when they come back
- Changing the fishing year would be bad for Maine boats. If the season starts in the fall, Maine guys generally have smaller boats and poor weather conditions so they will have less opportunity to catch scallops in the fall and winter (before the fishery gets fished out or closes for the year).
- Opposed to changing the fishing year.
- I was not able to keep the landings history when I sold my boat; I was told I couldn't transfer that history to my new boat. How am I going to be able to fish in this fishery?
- One guy suggested a weekly quota with a Hard TAC to spread out the landings. He explained that 400 pounds per day equals 2,800 pounds per week; he is willing to only catch 1,800 pounds in the week but he wants to be able to decide when to fish.
- One man asked how to let the guys in who qualified originally but didn't bother getting the limited access permits because scallops were scarce and the price was only \$3 a pound.
- The Limited Access vessels should not be allowed to fish outside of their DAS on GC rules.
- There was a suggestion to split the fishery into a Northern and Southern zone with the dividing line being the 73-00 west longitude line.
- There was a suggestion to stick with the existing control date of Nov. 1, 2004, (not changing it).
- How can we change the rules so we can go scalloping under the GC rules in the Great South Channel? It's a groundfish rule, so it would have to be in a groundfish action.
- We should allow groundfish draggers some incidental bycatch.
- Another man disagrees: We should not allow a bycatch fishery.

DMR Scallop Meeting Summary
Machias, ME
Feb 9, 2006
U Maine Science Building, Room 102

In attendance: George Lapointe, Terry Stockwell, Cindy Smith, Ivory (Fuzzy) Preston, Mike Danforth, David Look, Ben Crocker, Edmund B, Lanny Wood, Leigh Feeney, Walter Jerome, Howard Robbins, Leo Murray, Fannee Beal, Bernard Beal, John D. Wood, Matt Fronczak, John Polk, Larry Wood

Points from Machias Meeting:

- A hard TAC is a bad idea unless there is a line so the southern boats can't come up north. The boats in the Mid Atlantic have the capability of catching the whole TAC.
- Maine boats should have access to scallops in the GOM when they come back.
- The General Category fishery should get at least 25% of the TAC.
- In 2005 the GC landings were lower than they would have been otherwise because the Hudson Canyon Area was terrible fishing.
- The Groundfish closures are what made the scallops come back, not the sacrifices of the limited access fleet.
- Maine boats used to sell their catch for cash, so they have little in the way of recorded landings history.
- Maine boats would lose in the derby fishery created by a Hard TAC.
- Last week off Rhode Island there were 19 boats over 75 feet fishing the GC scallop fishery, wasn't this GC originally supposed to be limited to 45 foot boats?
- There are people who sold their boats without retaining their federal waters scallop catch history, and therefore will probably not qualify for the new limited access GC fishery. How can we address that problem?
- Some people prefer to lower the daily landing limit to 200 pounds so it is not worth it for the bigger boats to participate.
- Requiring VMS to stay operational even when fishing in state waters is just a ploy to make us quit fishing.
- We need to allow incidental catch in the groundfish fishery.
- Catch increased dramatically after the year 2000 because in that year they made a rule that LA had to keep the VMS on all the time and couldn't duck inside to shuck, deliver and go back out again.
- We need to protect Downeast fishermen.
- Absolutely we should not lower the 400 pound daily limit.
- Many Maine fishermen want to be able to lobster for some months and scallop for some months.
- I want to support the Maine guys who go down to the Cape to fish. I want to be able to go scalloping again sometime.

DMR Scallop Meeting Summary
Ellsworth, ME
Feb 13, 2006
Ellsworth City Hall

In attendance: Terry Stockwell, Cindy Smith, Susan Jones, Stanley Sargent, Adam Stanwood, Russell Leach, David Leach

Points from Ellsworth Meeting:

- You should get your VMS and go fishing or you will be done.
- I chose not to buy VMS back in 1994 when it cost \$8,000 and \$300 per month to operate, when scallops were selling for only \$3 per pound. You should let the guys who qualified back then enter the Limited Access fishery now.
- I bought a new boat but didn't keep my old landings history when I sold my old boat. Now what am I supposed to do?
- Rebate money for VMS will just encourage everyone who hasn't bought one yet to go buy one.
- I can't transfer my federal landings from my old boat to my new boat, what am I supposed to do?
- The GC segment of the fishery should be allocated at least 25 or 30% of the TAC, not a Hard TAC of pounds.
- The 400 pounds per day is our hard TAC, there do not need to be any other limits on the GC fishery.
- I only want a specific allocation of pounds if it is transferable.
- There is no need for sectors in the GC fishery.
- We should not change the start of the fishing year – it would be a safety disadvantage for Maine boats.
- Opposed to permit stacking, it does not remove capacity; rather it allows big companies to operate more efficiently.
- We have to protect the Maine fishing communities. There must be a way to allow Maine fishermen to fish in federal waters for scallops for a few months per year.
- When scallops come back to federal waters in the GOM then Maine fishermen have to be allowed to go fish for them. It would be totally wrong to shut out Maine fishermen.
- People who don't qualify for this limited entry should still have some access to the fishery... maybe 200 pounds per day would be ok.
- How will my sons and nephews be able to go fishing for a living?

Additional Comments by phone or in writing:

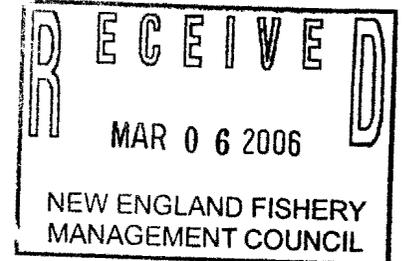
- Limited access is an acceptable way of controlling capacity
- Support the current control data even though there is not much increase from 2004 to 2005.
- Qualification period should be 1994-2004; but only require a few hundred pounds of landings in any one year.
- Allocation between limited access and GC fleet only if the LA fleet is prohibited from landing outside their DAS.
- The GC fleet should get at least 20% of the TAC
- There should be North and South sectors to evenly distribute catch.
- Hard TAC for the whole fishery would be fine but only for the limited access and the general category fleets, but not for individuals.
- Sectors might be ok, as long as all GC permit-holders can participate.
- No bycatch or incidental catch fishery
- Do not change the fishing year.
- You have to fix the problem of historical landings not being transferred to a new boat in an open access fishery.
- You should let them go back to fishing in the Great South Channel because they use the same or smaller gear than the limited access fleet.
- We need a larger % of the TAC than 3-5%, at least 20%
- We should have a separate TAC for the GC
- Dec 1, 2005 should be the control date
- It would be ok to have an open access permit for the GOM with low landing limit
- Individuals should be able to consolidate their permits and history to the most advantageous position for the future.
- NO IFQs

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Tuesday, March 07, 2006 4:34 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11 Scoping Comments]

----- Original Message -----

Subject: Atlantic Sea Scallop Amendment 11 Scoping Comments
Date: Mon, 06 Mar 2006 22:14:17 -0500
From: Robert & Debra Maxwell <bdmaxwell@comcast.net>
To: ScallopScoping@noaa.gov
CC: Donmyers46@aol.com



The most practical way in all fairness to all parties within is to have individual days at sea because it is a program already in effect by NMFS. This gives people who were in the fishery what they deserve. For instance, by using the control date of November 1, 2004 and picking the highest days at sea from any one year from 1999 to 2004 allows for people to pick there best year prior to the control date that *were active* in the fishery. If you do not have any landings from 1999 thru November 1, 2004 you end up with 40 pound by catch. There should absolutely not be any rig up clause what so ever, if you have no landings between the dates above then you do not qualify. By using this criteria it would make this general category limited access a more sustainable fishery by utilizing the 8.5 percent of total landings in 2004.

Thanks

Robert Maxwell

Collier Shannon Scott

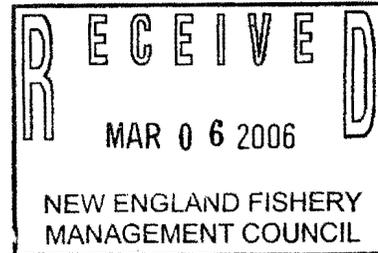
Collier Shannon Scott, PLLC
Washington Harbour, Suite 400
3050 K Street, NW
Washington, DC 20007-5108
202.342.8400 TEL
202.342.8451 FAX

David E. Frulla
Member of the Firm
202.342.8648
DFrulla@colliershannon.com

March 6, 2006

**VIA ELECTRONIC MAIL
AND ORIGINAL BY FEDERAL EXPRESS**

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950



Re: Atlantic Sea Scallop Amendment 11 Scoping Comments

Dear Captain Howard:

As you know, we represent the Fisheries Survival Fund. FSF's participants include the bulk of the full-time, limited access scallop permit holders, homeported from Massachusetts to Virginia. We appreciate this opportunity to present these comments in connection with the Council's scoping process for Scallop Amendment 11.

Circumstances have conspired to convert a persistent and troubling issue regarding the need to control the growth of the General Category into a major problem. As you know, ever since the Council commenced development of Scallop Amendment 10, in 2000, FSF has been advocating for bringing General Category scallop effort under the management limitations that have so successfully been applied to the limited-access fleet since Amendments 4 and 7 – limitations which have seen the scallop resource rebuilt and the fishery transformed into one of the success stories of the post-Sustainable Fisheries Act era. However, the period from 2003 through 2005 saw General Category landings outside the Limited Access fleet increase from 3% to over 12%. A number of factors were at play – historically high scallop prices, good sets of scallops in near shore beds, and the Region's last remaining open access fishery available to those experiencing hard times in other fisheries from the Gulf Coast to Maine.

FSF and its participants have consistently and increasingly expressed concern over the unchecked growth in effort, landings, and capitalization in the open access General Category fishery occurring in New England and, particularly, the Mid-Atlantic. Almost 70% of the General Category scallop landings now come from the Mid-Atlantic. These trends threaten the resource, the prospects of the long-term dayboat scallopers whose livelihoods depend on local, inshore scallop beds, and the very concept of rational, conservative exploitation of New England's fisheries resources. FSF therefore thanks the Council for undertaking development of this important Amendment 11, and thanks it in advance for proceeding towards prompt and timely implementation.

The Council in Amendment 11 will, unfortunately, have to make some hard choices – choices that have been made harder because General Category growth was not addressed a few years ago when problems with the General Category were emerging. However, it would be bad resource management, horrible precedent, and not fair, for the Council to palliate the problem by fundamentally reallocating the scallop resource at a time when the pendulum has swung such that returns from the scallop fishery are (or more accurately, were in the 2005 fishing year) at a cyclical pinnacle and conservation sacrifices need to be made to rebuild other fisheries the way the scallop fishery has been rebuilt.

That said, the Fisheries Survival Fund has always recognized a discrete, historical in-shore, small vessel, dayboat scallop fishery mostly along the New England Coast. The dayboat fishery was prosecuted from existing vessels and generally seasonally. Under Amendment 4, which should control, the General Category was intended for these fishermen, not new participants, in new vessels, who have in recent years turned to directed scalloping as a full-time pursuit.

Independent of this small inshore directed dayboat fishery, the Fisheries Survival Fund recognizes that directed fishing operations for other species also catch incidental amounts of scallops. Amendment 11 should distinguish the incidental catches from directed dayboat operations and treat them separately. There appears to be no need to limit truly incidental scallop catches.

While the FSF recognizes the need for the dayboat fleet to develop an effective set of measures to achieve the Council's goals, FSF's resources and expertise are available to assist the Council and historic dayboat scallopers in developing viable solutions. FSF does believe, however, that Amendment 11 should be developed consistent with certain important decisions the Council has already made.

FSF will use these scoping comments to set forth a series of principles that should guide Amendment 11, and will then proceed to address the questions the Council has specifically raised in its scoping document.

FUNDAMENTAL PRINCIPLES FOR AMENDMENT 11

1. The Council should not use Amendment 11 to provide for a General Category sector that is larger than can be supported by the reasonable allocation of the scallop resource according to historical landing percentages. The Council's experience with groundfish shows that it is very difficult to implement effective conservation limits when an inordinate number of permit holders qualify for entry into a fishery. This point may be even more salient for the General Category scallop sector, which should reasonably be expected to have only a modest allocation of the fishery to begin with. As explained below, from the inception of Amendment 4 in 1994 until the year the General Category control date was implemented (November 1, 2004), the General Category effort (not including Limited Access permit holder landings off the DAS

program) did not account for more than approximately 5% of overall scallop landings, and averaged approximately 3% of these landings.

2. Amendment 11 should be based on the allocation of the scallop fishery that Amendment 4 established. It is important to recognize that the Council has already made what was supposed to represent a durable allocation of the fishery in Amendment 4. Amendment 11 should be consistent with the purposes for which Amendment 4 created the Limited Access fleet in the first place.

More specifically, Amendment 4's primary purpose was to include essentially the entire directed scallop fishery in the limited access regime so that it would be "easier to control fishing mortality." Amendment 4 accordingly established a series of limited access categories covering almost all those permit holders who chose to participate in limited access and could document virtually any participation. To qualify for limited access, a vessel need only have landed a total of 400 pounds of scallops during the qualifying period.

Amendment 4 did substantially rationalize the scallop fleet, with positive consequences for the fleet and the resource. This rationalization allowed the conservation measures implemented for the scallop fishery (for example, days-at-sea ("DAS") limits, ring-size limits, and crew limits), to take hold and rebuild the resource, while allowing participants to still obtain a return from the fishery. Further, the fleet has also been able to invest in research and constructive engagement with the Council and NMFS. And, in reliance on Amendment 4, the limited access fleet has created solid domestic and international markets for healthful, abundant, reasonably-priced Atlantic scallops. This is the promise of fishery rationalization.

However, Amendment 4 entailed a considerable sacrifice by those who chose to enter the Limited Access scallop fishery. Limited Access participants relinquished other New England permits and opportunities to concentrate on scallops under Amendment 4, and did so at a time when the scallop resource was at a very low level (when catches were less than 400 pounds per day). The fact that the Council required those opting for a Limited Access scallop permit to relinquish other New England permits adds strongly to the equities in not requiring any fundamental reallocation of the scallop fishery from what was achieved following the extensive Amendment 4 processes. The Limited Access fleet's days at sea have been curtailed since Amendment 4, and they continue to be curtailed to this day. By contrast, the General Category has seen no new limits since 1994, save for the VMS requirements recently imposed.

3. The Council should not use Amendment 11 to fundamentally alter the General Category fishery. The Council created the General Category in Amendment 4 as a compromise to allow some modest scallop landings for those vessels who could not meet Amendment 4's exceedingly limited qualification standards, did not or could not document their landings history, or otherwise decided not to accept the burdens of a scallop limited access permit, including limited opportunities to participate in other fisheries.

Significantly, the General Category was supposed to have only a minimal impact on scallop mortality. In fact, Amendment 4 specifically intended for General Category scallop mortality to be so insignificant that it was not planned to be counted in setting overall scallop mortality estimates. If the General Category grew, Amendment 4 specifically stated that the Council should reduce allowable General Category landings, as opposed to re-doing the allocation of the fishery that Amendment 4 created. The recent, explosive General Category growth should be constrained to maintain the General Category's historic purpose and share of the fishery. As explained above, the Council should not fundamentally revisit the decisions it made in Amendment 4.

4. Amendment 11 should not detract from the purposes of Amendment 10.

Following the rebuilding of the scallop resource, the Limited Access fleet has invested in developing an area management amendment, Amendment 10, that has great prospects to improve long-term scallop yield. The Amendment 10 system of rotational area closures and controlled openings represents a dramatic management improvement, especially as compared to past races to new sets of scallops just as soon as they were large enough to be retained by the gear.

Consistent with these efforts to improve yield, any allocation regime should take into account the type of gear used by the various types of dayboat scallopers. For instance, the Council should consider options to ensure scallop yield, including but not necessarily limited to requiring any new dayboat category to use dredges only, with 4-inch rings. Extensive research, over many years, has demonstrated that a directed scallop trawl fishery is able to target smaller scallops, limiting the Council's ability to achieve optimum yield from the scallop resource under Amendment 10.

5. Amendment 11 must reflect the realities of the scallop resource. In 2004, according to Northeast Fisheries Science Center estimates, scallop fishing mortality was more than 50% above the target. In 2005, the Council decided against precipitate action to correct that problem because decisions made in Amendment 10 and Framework 16 were to reduce Limited Access scalloping in 2005. Moreover, it was understood that DAS would be further adjusted in 2006 and 2007 under Framework 18. Preliminary catch statistics in the Amendment 11 scoping document suggest that Amendment 10 and Framework 16 did function as intended. Limited Access catch in 2005 did indeed drop to under 40 million pounds, from the approximately 60 million in 2004. Although nominal Limited Access DAS allocations are going up in 2006 and again in 2007, many of these DAS (more than half) are to be tied to access area trips, meaning that it is not likely that all days allocated will be fished. The actual number of days spent at sea by each Limited Access vessel is being tightly constrained. In contrast, General Category effort and landings have increased quickly, and they, too, must be constrained.

There are also troubling signs that the problems seen in Hudson Canyon in 2004 and 2005 are now becoming general across the Mid-Atlantic (outside the Elephant Trunk access area) and in coastal waters of New England. While scientific projections for the Elephant Trunk Area are very encouraging, neither scientists nor industry have any experience with such dense scallops. As has been shown in the Hudson Canyon access area, and before that in the Virginia Beach access area, it is not a certainty that the dense concentrations of scallops in the Elephant

Trunk will survive and grow as projected. Nor has there been much sign of further major recruitment, following the year-classes protected by the rotational closure. All of this is to say that the Council should be conservative in allocating scallops as its "margin for error" (scallops at historic levels of abundance, at least in recorded times) may be shrinking.

6. Amendment 11 must account for the Council's legal mandate to maintain rebuilt fisheries over the long run. Suggestion has been made that there are more than enough scallops to satisfy the needs of both the Limited Access fleet and the new entrants to the dayboat fishery. Recent reports from the fishing grounds suggest that that is no longer true but, even when the ocean had many scallops, the claim was a mistaken one.

The Sustainable Fisheries Act of 1996 changed the basis of fisheries management, placing an increased emphasis on conservation, and insuring that fisheries resources be and remain rebuilt. The goal was to replace (or at least moderate) the "boom and bust" cycles that prevailed in many fisheries. The Atlantic sea scallop resource was rebuilt, and thus there are many scallops in the ocean. However, rebuilding was achieved by restricting the mortality rate. Modern fisheries management supposes (as the Act requires) that high biomasses must be maintained by keeping mortality rates low.

Thus, while there may be relatively many scallops to catch, there is only a limited amount of mortality permitted. The limits are so strict that "full-time" vessels are only working some 80 days per year, and it has already been suggested to the Council by the Capacity Committee that it may have to consider reducing the number of Limited Access vessels so as to increase their commercial viability. In that situation, there is no justification for transferring substantial portions of the allowable scalloping opportunities to new entrants.

RESPONSES TO THE COUNCIL'S SCOPING QUESTIONS

I. Limited entry in the general category fishery:

- **Should the Council consider and use limited entry to manage capacity in the general category fishery? Why or why not?**

The Council should consider creating a new limited access dayboat permit whose holders would be allowed 400 pounds per day for a reasonable number of days per year for an in-shore scallop fishery. This is separate from allowing continued incidental catches of scallops in directed fisheries for other species; accordingly, the Council should not consider a new limited entry program for vessels operating in other fisheries and landing only incidental catches of scallops.

More specifically, Amendment 11 should design this dayboat permit to provide a reasonable amount of access for a discrete, numerically-limited, well-understood set long-time, directed day-boat scallop fleet which opted out of limited access under Amendment 4. From 1994 until 2004, when the Council set a new General Category control date, these dayboat fishermen, along with fishermen in other fisheries with traditional incidental scallop catches,

landed about 3% of total landings on average. However, and significantly, as explained above, the Council should not use Amendment 11 to create a new fleet sector that is larger than can be supported by a reasonable allocation of the scallop resource according to historical landings percentages.

The Council may want to consider whether there are any discrete historic, dayboat scallop fisheries that are prosecuted in state waters, outside the NMFS Atlantic scallop assessment area (perhaps north of the 42° 20' line), that might present a rationale for exclusion from the Amendment 11 regime. Such an exclusion should not apply to vessels that opt to fish for scallops outside this narrow context and geographically limited area.

- **If a limited access program is established, should qualifying criteria be based on the November 1, 2004 control date?**

Any new limited access program for the General Category must be developed using the November 1, 2004, control date. Others who cannot demonstrate significant landings before the control date should not be able to continue to participate in a 400 pound per day dayboat scallop fishery.

It will not be enough, however, simply to admit every vessel that held a general Category permit as of the control date, nor even every vessel that had recorded a scallop landing before that date. Either approach would leave such a broad number of qualifying vessels that each participant's share of the remaining fishery would be reduced below what is needed to sustain an active dayboat scalloper.

- **What types of qualification criteria should the Council consider if it designs a limited access program for the general category fishery?**

To qualify for a limited access permit for directed dayboat scalloping (as opposed to being allowed a much more limited level of incidental landings in directed fisheries for other species) under Amendment 11, a General Category vessel should be required to demonstrate significant catches from directed scalloping (again, as opposed to incidental landings), in several different years prior to the November 1, 2004, control date, over the duration of Amendment 4, 1994-2004.

Further, vessels with incidental catches of scallops, but no history of participation in a directed dayboat scallop fishery before the control date, should not be included in any new directed dayboat permit category. Thus, to qualify for a limited access permit, a vessel should be required to demonstrate that its scallop landings on a certain number of trips, over a certain number of years, exceeded a level that would be considered incidental bycatch from directed effort in other fisheries.

Unrecorded landings, illegal landings, and other scallop landings inconsistent with the regulatory regime, should not be permitted to count towards qualifying.

II. Allocation between the limited and general category fleets

- **Should the Council consider allocating the scallop resource among defined fisheries and/or seasons, or individual basis; or should the Council set specific limits fishery wide for the general category fleet?**

The Council should establish a durable allocation of the scallop resource between the current Limited Access fleet and the dayboat fleet that has been fishing in the General Category. There is no indication that landings of incidental catches of scallops are increasing, and FSF sees no reason to impose a specific allocation on such landings at this time.

The Council should not allow Amendment 11 to create a set of qualifiers for any new day-boat fleet that is larger than is consistent with a reasonable allocation of the scallop resource according to historical landings percentages. While how this outcome is achieved is a matter of greatest import for the General Category vessels and their organizations, rather than the FSF, there are certain truisms that the Council will have to consider as it makes such decisions.

For instance, a hard cap limit of some percentage would involve issues of enforcement costs and enforceability more generally. The task of managing the General Category fleet would be made simpler if its size is consciously pegged at a number projected to fit comfortably within the sector's target share. That share, in turn, should be tied to the historical share of this sector.

On the other hand, the success of the scallop fishery to date has been built on individual allocations, specifically in DAS to Limited Access vessels. While a similar system may or may not meet the needs of the General Category, there may be solutions which are fairer and more effective than a categorical hard quota. Given its dispersion and the geographic and operational differences of the participants, for example, a possibility might include regional management solutions within the General Category as a whole.

- **What should the basis be for choosing "fair and equitable" allocations (or catch limits) for the general category and/or limited access fleets?**

Only landings from before the November 1, 2004, control date should be factored into determining a reasonable allocation. The control date is recent, well-publicized, and follows years of Council discussions about the need to limit fishing effort and capitalization in the General Category. Using the control date already provides for a broad (actually a way too broad) number of potential qualifiers, without adding speculative effort that cascaded into the fishery in 2005 and even 2006 when prices were high. Effort in 2005 has created conservation issues and is fundamentally changing the extent and even the nature of the General Category fishery.

Indeed, in recent years (up until the control date), overall scallop landings from the General Category (excluding Limited Access participants fishing off DAS) were 1.03% of overall landings in 1999, 3.80% in 2000, 4.33% in 2001, 2.35% in 2002, 3.04% in 2003, and 5.35% in 2004. Any allocation should be included in this range, perhaps as an average, because the time period encompasses periods of high and low scallop abundance, as well as different points in the abundance cycle for a range of other New England and Mid-Atlantic fisheries. The average of the annual percentages for 1994 to 2004 inclusive was 2.93%. And, of that approximately 3%, approximately one-third (1% of the overall scallop landings), came from incidental catches of scallops in directed fisheries for other species. In addition, the Scallop Committee and Council had begun developing General Category measures, using a 5% allocation, which represents the upper end of the pre-control date historic range.

As explained in detail in FSF's introductory remarks, a fair and equitable allocation should reflect the many forms of investment the Limited Access fleet has made in developing the scallop fishery into one of the Nation's post-Sustainable Fisheries Act success stories. The Limited Access fleet sacrificed the most for, has the most invested in, and is the most dependent upon, the long-term success of this fishery.

III. Dual application for limited access vessels

Certain Limited Access participants, particularly in New Jersey because of its unemployment laws, have fished under General Category rules to maintain their crews. This is perfectly legal and consistent with applicable regulations. In any event, no vessel should be considered for exclusion from the General Category unless the Council proceeds to implement a limited access fishery for the directed dayboat sector. Furthermore, separate and apart from any new limited access category, certain Limited Access scallopers have permits in other fisheries and they should be able to continue to land scallops caught incidentally in their permitted, directed fisheries for these other species.

If the Council does proceed to consider such an option, the Ad Hoc General Category Scallop Advisory Panel should include those members of the Council's Scallop Advisory Panel who have operated a Limited Access scallop vessel under General Category rules, in addition to those members who hold General Category permits, in order for the Council to gain a true understanding of the scope, scale, and rationale for the fishery.

IV. Use of hard TACs in the general category fishery

A hard TAC for the directed dayboat sector should be considered as an option if a hard TAC is required by the other management options selected. However, a hard TAC should be considered only in conjunction with other General Category measures, such as limited access for a directed dayboat fleet, which will ensure that any such TAC can be set and maintained at a fair and equitable level of the overall scallop catch. Specifically, the primary measure in Amendment 11 should be to limit access to, and hence capacity in, directed dayboat scalloping.

A hard TAC should be one alternative considered in conjunction with such new limits, albeit a hard TAC would be less necessary if access is limited to a sufficiently discrete number of qualifiers and if other input controls (such as DAS and the 400-pound trip limit) are applied to this limited number of qualifiers. The more vessels that qualify under Amendment 11, the more demands there will be for suboptions under any quota system to divide the catch by area, sectors, seasons, and the like. Finally, other alternatives that build on the Council's success with individual allocations in the Limited Access fleet should also be developed, such as individual limits on the number of trips for the qualifying members of the General Category fleet.

If hard TAC management is adopted as part of Amendment 11 for the General Category, it should not be required for the Limited Access fishery. The two fisheries are different and require different management. The existing Limited Access sector is already subject to a combination of input and output controls (open area DAS, access area TACs, crew size limits, ring size and twine top limits) to limit mortality.

V. Use of sectors and harvesting coops (Dedicated Access Privileges)

The Council should ensure that the fishery it creates in Amendment 11 is confined to dayboat scallop fishing on coastal scallop beds, in vessels that are consistent with this fishery's historical roots. Amendment 11 should not allow, through the creation of sectors or other forms of consolidation, for the grouping of poundage onto larger vessels capable of and planning to fish offshore.

More specifically, historic directed dayboat scalloping has been filling a demonstrable niche in the fishery by harvesting coastal scallop beds. This dayboat fishery has also provided an entry-level, owner-operator-based fishery that tends to have been located in small communities, often without the infrastructure to support an offshore fleet. This fishery is worth maintaining for these goals. These goals would not be met by allowing 10 dayboat permit holders to get together, essentially as passive investors, and add what amounts to another full-time, off-shore vessel by consolidating their allocations onto one large vessel.

Further, Amendment 11 is, and should be, on a fast track. As recent experience from herring has shown, the development of sectors and harvest coops can be complicated and potentially time-consuming, if the Council wants to understand their actual allocative impacts. Accordingly, the Council may ultimately need to allow for the development and consideration of these approaches once Amendment 11 is completed.

VI. Landings of incidental scallop catch

Vessels that do not qualify for a new limited access permit under Amendment 11 should be allowed a minimal level of incidental scallop catch, to accommodate historical fishing patterns and prevent discarding of scallops in directed fishing for other species.

Paul J. Howard, Executive Director
March 6, 2006
Page 10

Collier Shannon Scott

As noted above, the incidental catch permit should remain open-access. There are currently no issues with this sector of the fishery, and thus no pressing reason to change the rules, other than to develop alternatives to insure that such catches truly remain "incidental" to other, primary fishing efforts. In that regard, perhaps a good definition of incidental might be is that proposed in Framework 17, of 40 pounds per day fished.

A true incidental catch limit, tied as it should be to vessels fishing under rules of other, directed fisheries and set at a number that would not be profitable to entice vessels to engage in directed scallop trips, is a historical use that should be protected under Amendment 11. Incidental scallop landings have accounted for only a fraction of the total scallop landings. It is simply a completely different fishery, and should be treated as so under Amendment 11, from the directed dayboat scallop fishery that is in part historical, but also in larger part a recent phenomenon created by the confluence of the Amendment 4 General Category rules, record scallop prices, and historically-high levels of abundance.

VII. Change the fishing year

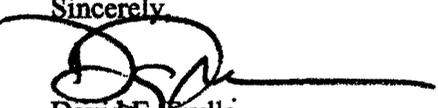
The Council should not change the fishing year at this time. Such a change would represent an added complication, and one which the Council has already considered and rejected as part of Amendment 10.

Furthermore, consideration of changing the fishing year is premature until NMFS figures out how it will replace the *R/V Albatross* surveys. If the Council wants to ensure the fishing year corresponds with the survey over the long run, it should thus wait to know when and how the new surveys will operate.

Changing the fishing year should not be done casually or repeatedly, as it will cause severe disruptions to the established seasonal practices of the fishery and scallop markets. Thus, the Council should not change the fishing year, only to have to consider changing it again when its new survey approach is developed.

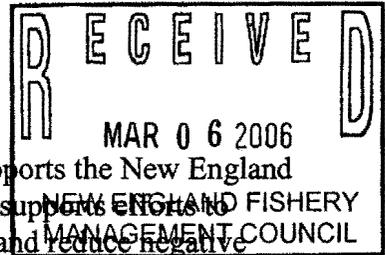
Thank you again for this opportunity to comment on the Amendment 11 scoping. Please do not hesitate to contact us if you have any questions or require additional information. FSF representatives will also be participating in the Amendment 11 process, and will provide additional comments and perspectives, as appropriate.

Sincerely,



David E. Frulla
Shaun M. Gehan

Counsel for the Fisheries Survival Fund



The General Category Scallopers' Coalition of New England supports the New England Fishery Management Council's desire to reduce overfishing and supports efforts to reduce by-catch, increase scientific understanding of the stocks, and reduce negative impacts on habitat critical to rebuilding groundfish stocks. We strongly support efforts to ensure the economic vitality of small fishing communities.

We also wish to build on the successes of the ideas put forward in the Amendment 10 process. It is very clear to us that leaving 80% of the stock behind on the fishing ground to enable the remaining scallops to continue to grow and spawn is the way to go. Rotational management, seasonal closures and areas closed to protect habitat and to allow the scallop biomass to increase are critical to the future for this fishery. Any changes in to the fishery brought about by Amendment 11 should be reflective and supportive of these key management methods.

We are committed to working with the Council on its shortened timeline, and we are pleased to present these comments.

Allocation

Allocation is the single most important issue facing the Council and once this issue is decided, we believe many of the other issues can be quickly resolved.

There should be a separate allocation for general category and limited access fleets and each should be managed following methods laid out in Amendment 10.

The Coalition requests a substantial amount of the total allocation of scallops located economically and safely within reach of directed day boat scallopers. We also request with proportional access to days or pounds in existing and future rotationally managed areas.

We request a fair and reasonable allocation substantially higher than the so-called historical norm of 2 – 5%. Today the scallop resource is larger than predicted and the DAS fleet has made record profits. We appreciate the past efforts of the DAS fleet to help rebuild the stock and understand their desire to capture as much of the resource as possible. However, we do not believe that a small class of boat owners should have exclusive ownership of a large public resource. We believe the resource is large enough so that all scallop fishermen can reasonably participate through an allocation that reflects today's realities.

The general category fishery has historically been retarded from growth because there weren't enough scallops close to home. Strong fishing pressures brought about through historic overcapacity, overcapitalization and aggressive targeting of inshore scallops by the DAS fleet reduced the local biomass. Amendment 10 changed all that.

As a result, the directed day boat fishery in New England is only now just evolving due to positive changes in the fishery which draw the DAS fleet to other, higher value areas.

This allows once heavily targeted areas within approximately 50 miles of shore to build biomass. If the directed boat fishery can responsibly participate in this fishery, it rightfully deserves substantial access to this resource.

Current and future management methods will continue to create significant scallop resources within safe economic reach of day boat scallopers. Fishermen like to return home to their families at night when they can. Some harbors are natural for smaller boat fisheries as frequent shoaling or shallow waters prevent access by deeper draft vessels. Small fishing communities ravaged by groundfish closures deserve to have a local fishery that works for them. The day-boat scalloper naturally lands a high quality product and consumers understand this additional quality and value. This can keep the bulk of monies earned by the day-boat scalloper in the immediate community.

We know that DAS captains and crew look forward to the day when they can “retire” and start fishing their own general category small vessels and know that the 2 different classes of access, while often in opposition to each other, each are part of the same fishery and that which benefits one benefit both.

Allocation issues when fully addressed in light of overfishing and overcapacity will allow a more full discussion of the allocation of TAC among regions, gear type and bycatch / incidental fisheries.

Manage Overfishing Regionally and Fairly

To fully address overcapacity and overfishing as the predominant concerns of Amendment 11, we need to understand in what regions and to what extent overfishing is occurring. FW 18 states that mortality is 2 times target in the Mid-Atlantic, and it is about 50% target in Georges Banks areas so we are firmly in support of reducing fishing mortality where it is occurring. Simply creating a limited access fishery and lowering effort or the number of vessels equally across the entire general category fishery will not likely fairly or fully address the issue.

It is clear that the general category catches only a fraction of scallops that the DAS fleet captures; subsequently if the general category fleet needs to take a reduction in effort it should be proportional to that, if any, which the DAS fleet will take. Otherwise, focusing on the general category fleet to address overfishing without regard to the DAS fleet is economically disproportional and simply unfair.

Anecdotal information indicates generally accepted deckloading practices wastefully kill approximately 10% of scallops landed. Better understanding and practices might allow some portion of these unnecessary losses of tens of millions of dollars to be allowed to live to grow and reproduce for harvest later.

One participant suggests another approach to reduce mortality might be to go to 4.5 inch rings across the entire scallop fishery. Others suggest only minimal cuts in capacity would be necessary if wasteful deckloading mortality is greatly reduced.

We understand that the biological stock is viewed as inseparable, yet wish to reinforce the fact that NEFMC recognizes 5 distinct fisheries:

The management unit for the Scallop FMP consists of the sea scallop resource throughout its range in waters under the jurisdiction of the U.S. The five resource areas generally recognized within the management unit are: (1) Delmarva; (2) New York Bight; (3) South Channel and southeast part of Georges Bank; (4) Northeast peak and the northern part of Georges Bank; and (5) the Gulf of Maine. The Delmarva area includes scallops as far south as North Carolina (NEFMC 2003). (quote taken from Scallop Framework 18, December 2005, Section 3)

Any discussion of methods to address overfishing must be couched in light of unique aspects of each of these 5 areas. What works well in one area may not work in others. Regional quotas, limited hard TACs, rotationally managed areas or other means to allow effective management are necessary.

The adoption of VMS may curb a substantial amount of the growth through the reduction of illegal catches; at the very least it will substantially increase our understanding of the fishery. A best approach would delay any changes to the fishery until several years of data have been acquired through this significantly improved system so that decisions are made on best available data. At the very least, groundwork needs to be laid in this Amendment to allow flexibility to more dynamically address regionally changing conditions as understood by ongoing improvements gained through increasing use of technology.

Creation of a Limited Access fishery out of the General Category

We absolutely support the transition of the general category fishery to a limited access fishery as we understand this will be a more easily managed fishery. This appears to be a good way to slow growth and excessive new entrance to the fishery. Yet since recent growth and new entrance appears to be heavily weighted to the southern states, where overfishing is happening at twice target with new entrants in the Mid-Atlantic landing 22% of general category scallops in 2004, it seems natural that key efforts to address overcapacity or overfishing should be regionally or geographically focused.

Regulated species bycatch TAC should be more easily managed with a limited access directed dayboat scallop fishery. Through the use of VMS and bycatch hard TAC's, the small mesh closures and exemptions should become a thing of the past, thus reducing enforcement efforts.

We support **uniform rules** for gear use; specifically we support a single 10.5 foot dredge (bearing the standard 4 inch rings / 10 inch twinetop) as the maximum sized dredge gear used by a directed day boat fishery to target scallops. We also support the Shinnecock line and wish to allow boats to cross this line only if they have intentionally declared in to one fishery and out of another for a minimum of time such as 30 – 60 days.

We also support some way to **allow controlled new entry** as an absolute control date disallowing any new ongoing entry will unnaturally constrain the evolution of the fishery. Suggestions to resolve this difficult issue include the creation and use of a sternman or apprentice program as used in Maine for lobster, or some form of new permit generation through a lottery, family participation or to reward unique contribution to the industry.

Generally, **we support the use of a control date** with history or other methods to lower overcapacity and limit effort to legal and traditional users of this resource. We also support any increase in enforcement activity to reduce illegal fishing or landing of scallops and wish to note that some landings history may be under or over-reported and may be the result of state and federal oversight. Of course, it is not known how much landings history is a result of mis-reporting. Not fully taking this into account may increase or discount future access to the fishery in a disproportionate way.

In our view, the “best use of science” should include a clear intention to increase understanding of methods to increase information and decrease illegality, especially in light of reduced enforcement workforces and increased workloads and base any adjustment on scientifically solid numbers. We’ll bear the hardship, as illustrated by the over 800 vessels purchasing VMS even though they may be prevented by fishing through the implementation of the November 2004 control date.

Learning from DAS to answer questions about allocation, TACs and limited access

There are many good refinements that the DAS fleet has developed over time that the evolving directed day boat scallop fleet can benefit from such as the ability to trade days, the “tiering” of vessels into different type permits such as small dredge, part time, occasional and full time access, the use of hard TACs and other measures to limit bycatch, the use of closed and rotationally managed open access areas to improve recruitment and reduce mortality while landing the same or greater weight of scallops per unit of effort.

There should be a provision in the new directed day boat fishery for vessels in varying circumstances to be somewhat self-limiting by vessel size, power, range, weather and other reasonable limiting factors. Boats targeting over 100 days of fishing per year should be controlled for and allowed, with the bulk of permits targeting the more common 30 – 60 days per year, perhaps through the issuance of tiered permits much like the DAS fleet has developed. Ideally, the permit holder should be able to move in a controlled fashion from one type of permit to another without substantial penalty in the event of an increasing or decreasing biomass.

We also support the idea that no limited access vessel should hold more than 1 limited access permit for that species.

Dedicated Access Privileges

We also **strongly support the idea of dedicated access privileges** to more effectively manage access to the fishery and to lessen conflict and manage for critical habitat and lower the burden of management as necessary by the Council.

Ideally we would like to see an inshore area, approximately delineated as a “50 mile limit” that designates an inshore zone for the directed day boat fishery fleet, where larger DAS boats are limited in access to this zone.

Our Coalition has been working with the Cape Cod Commercial Hook Fishermen’s Association to more formally address this issue. We feel that allying ourselves with organizations of this caliber will significantly advance our understanding and ability to manage and adapt to future changes.

We are beginning to work with the Hook and Gillnet Sectors and with members of the Habitat Council to work towards local control to eliminate gear conflict and to lessen impact on areas critical for groundfish spawning.

Other Considerations Not Mentioned in Scoping that should be included

We also would like to put on record our desire for the following measures to be considered now or in the future:

Increased use of Science and Management Methods

We also wish to support the additional increased use science and management methods, particularly the use of TAC Set-Asides to fund observers and research. This past summer many general category boats assisted voluntarily and informally, without any compensation to support an RSA project entitled “Increasing the Economic Value of the Atlantic Sea Scallop” and many have expressed interest in participating in additional research.

RSA funding, to date, has rarely been awarded to any efforts proposed by or to uniquely benefit the general category partially due to the economies of scale necessary to conceptualize, fund and conduct this type of research. Some method should be created to more fairly allow the general category to participate in research given that the scale is naturally tilted to the individuals and organizations better off economically due to 10 years of prolonged growth of biomass and increases in price in this industry. Furthermore, the dayboat fishery, because it tends to be an owner-operated fishery, tends to not have good on-shore representation so methods and money should be directed to this somewhat disadvantaged fishery so that they can become more sophisticated, much like the larger DAS fleet has done.

Demarcation Line

Please consider the implementation of a demarcation line outside of which any 1B permitted vessel fishing for scallops while shucking is not limited to possession of not more than 400 pound or 50 bushels. Standard practices where up to 90 bushels shuck out to 400 pounds of scallops cause most 1B vessels while fishing to be in violation of this rule at most times. By using a simple demarcation line (eg the VMS demarcation line), any 1B vessel found inside of this line with more than 400 pounds or 50 bushels would be in violation. This would substantially lessen enforcement efforts with minimal risk.

Closed Area II

We wish to remind the council that the general category has been awarded 2% of TAC in closed areas. Due to the 400 pound possession limit and the size of our vessels, we have not been able to take full advantage of this lucrative fishery and wish to renegotiate, roll-over or trade this uncaptured resource for access to other areas much like the DAS fleet is able to do.

New Forms of Product

Please plan for the future that roe-on, live or other approaches to add value to the scallop catch need to be considered with this or any future Council actions. For instance, a boat may conceivably be landing considerably more than 400 pounds of roe-on scallops, based on the exact same mortality from 400 pounds of adductor muscles, yet there is no provision in the laws for this.

Permit Transfer

We need a clear and well understood legally acceptable method to transfer permits and permit history between qualified scallop fishermen that fairly reflect past history and the ability to use that history toward resolving future allocation issues.

More Clearly Address Overfishing as Management Tool for Scallops

Overfishing as a scallop resource management tool should be more fully examined. Scallop stocks are sedentary and closed area rotational management does not work optimally under the traditional definitions of overfishing. Provisions need to be made to more fully address the difference of the scallop stock.

Respectfully Submitted by

Geoffrey Day
Executive Director
General Category Scallopers' Coalition of New England
PO Box 300261
Cambridge, MA 02140
617-576-2100

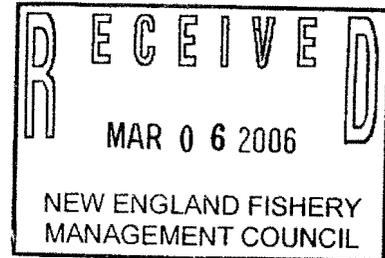
CIANCIULLI & OUELLETTE
ATTORNEYS AT LAW AND PROCTORS IN ADMIRALTY
A Professional Association

163 CABOT STREET
BEVERLY, MASSACHUSETTS 01915

Stephen M. Ouellette*
Lori A. Cianciulli

David S. Smith*

*Also Admitted in Maine



Telephone: (978) 922-9933
Facsimile: (978) 922-6142

E-mail: fishlaw@aol.com
<http://www.fishlaw.com>

March 6, 2006

Frank Blount, Chairman
New England Fishery Management Council
50 Water Street, Mill 2
Newburyport, MA 01950

Re: Comments on Scoping Document for the General Category Issues

Dear Mr. Blount:

I have been asked to submit comments on the scoping document for the proposed amendment to develop new rules for the general category scallop fishery for a number of general category vessels fishing from the Barnegat Light area. We offer the following comments and suggestions:

It is apparent that the general category has evolved into a different fishery than that initially envisioned under Amendment Four to the Atlantic Sea Scallop Fishery Management Plan (the "FMP"). In response to a number of changing elements, including the increase in scallop availability, declines in other stocks, harvesting restriction in other stocks to meet rebuilding deadlines and the increase in prices, a number of vessels have transitioned into the general category scallop fishery. As a result of this, general category landings have risen dramatically as a percentage of the overall TAC. Participating vessels have also become economically reliant on the fishery, and the daily landings of fresh scallops have developed into an important element of the market. While it seems appropriate to take steps to limit the growth in this fishery, my clients believe that the new measures should preserve the newly developed fishery, at the 2004 levels.

The primary impetus for the proposed amendment is from the limited access vessels, concerned that increasing landings may erode their access and negatively impact the successful rebuilding to date. There is no question that limited access participants have borne a significant burden of the recovery, or that it is through their efforts great strides have been made in returning this fishery to a healthy condition. Nonetheless, the recovery of the stock and increase in market price have created a scenario of success that few could have imagined when Amendment 4 was implemented. With TACs expected to rise, the imbalance between the scallop fishery and others will increase. The traditional fishery would see a shift in effort to the scallop fishery by many more vessels, but this tradition is now prevented by the limited access program in place. My

CIANCIULLI & OUELLETTE

Frank Blount, Chairman

March 6, 2006

-2-

clients would like to see the general category fishery maintained; at least as it had developed through the 2004 control date, with establishment of a new limited access permit.

The initial question is how the fishery should be allocated. This is largely a judgment call to be made by the Council. Reportedly, general category landings had increased to about 5.8% of total TAC in the year leading up to the November 2004 control date, including limited access vessels outside of their DAS. Since some vessel may have had higher landings in prior years, a larger percentage may be necessary to effectively anticipate the total percentage necessary to sustain the general category. My clients suggest that the council consider an allocation around 5.8% of the total scallop allocation, for the new limited access category. This percentage might have to be increased slightly if some vessels had higher landings in prior years, as not all vessels had their peak landings in 2004. This would also include limited access vessels fishing outside of their scallop DAS. Since DAS and associated trip limits will be set based on maximum fishing effort in 2004, this will effectively establish a quota system that has the same effect as a hard TAC.

My clients strongly support the 2004 control date, and believe that vessels' participation in the years prior to 2004, should be used to qualify vessels for the new limited access permits. The new limited access permit should be based on individual days at sea, either the total pounds landed in a vessel's highest year from 2000-2005, divided by 400 pounds or actual days fished. Annual allocation will be established by increasing or decreasing either the available number of days, or possibly trip limits.

My clients oppose extending qualification periods for vessels that claim they were in the process of switching over to scalloping. This clearly creates a danger of being overly inclusive and would require either a reduction in effort for vessels that were actively engaged in the fishery prior to the control date, or would require a greater allocation to the new permit category. My clients contend that the public was given adequate notice of the control date and all should be bound by it.

Landings in the new limited access category should still be controlled through the same 400 pound landing limit and would still be a small boat fishery. Vessels should be permitted to consolidate their DAS and or to lease them. Since the proposed limits on the new limited access permits will be based on DAS and trip limits, few other controls are necessary. Vessels in the southern areas should be allowed to fish up the current maximum dredge size. Even limitations on vessel size and horsepower appear unnecessary, as trip limits/vessel allocations remain the primary control. Leasing and consolidation should not be limited by vessel size or horsepower.

CIANCIULLI & OUELLETTE

Frank Blount, Chairman

March 6, 2006

-3-

Because of the changing conditions of scallop stocks, particularly in inshore regions, some of which are not even included in the stock assessment, it may be desirable to continue a very limited open access category, perhaps 1% of the total TAC, in addition to the 5.8% set forth above. This would be subject to DAS limitations, possibly as low as 10-20 days per year to start, a low daily trip limit of 200-300 pounds per day, et., in turn limited by hard TACs, possibly by region or season.

We look forward to working with the advisors, other industry groups, the Scallop Committee, Council Staff, and the Council in developing a fair and equitable allocation for the current general category participants and limited access vessels and development of appropriate management measures for the general category.

Very truly yours,

/s/ Stephen M. Ouellette

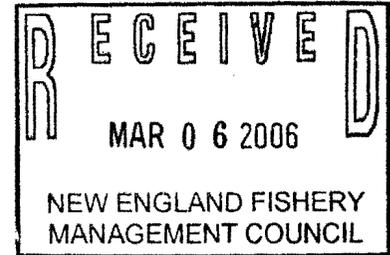
Stephen M. Ouellette

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Tuesday, March 07, 2006 4:34 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11 Scoping Comments]

----- Original Message -----

Subject: Atlantic Sea Scallop Amendment 11 Scoping Comments
Date: Mon, 06 Mar 2006 22:55:03 -0500 (EST)
From: Marlinblackxxx@aol.com
To: ScallopScoping@noaa.gov



Paul J. Howard-

Mr. Howard I could not let the March 6 deadline for comments pass without voicing some observations that I have made. I was in attendance at the Feb. 21st meeting in Cape May Courthouse and have pondered many of the questions raised and have spoke with many general category guys in the Point Pleasant NJ area.

In order for proper disclosure I should state that I am not presently in the fishery but am in the process of buying a general category vessel with a catch history prior to the control. I think it is only fair to inform you of that fact.

During the meeting in Cape May the first few speakers were limited access vessel owners and consultants and captains and it seemed that they would all like to participate in the general category fishery, place a hard tac on the general access fleet, and did not want to allow the general fleet very much in the way of a percentage of the total catch. They raised concerns about the health of the scallop biomass but would not like a hard tac placed on themselves. This being the first commercial fisheries meeting of any sort that I have attended I found it interesting. Towards the end of the meeting a general access vessel owner spoke and brought up a very valid point. He said that the limited access was doing just fine a few years back when the total catch was 20-30 million pounds and now their catch is in the range of 53 million pounds and they do want others to participate. Now I don't care who does the math even at \$7/lb, each boat in the limited access fleet grosses around 1.5 million a year. With 25% of the permits owned by 9 companies I find their genuine concern for the health of the biomass a bit less than sincere. As I understand it they will soon be allowed to stack permits which will cut overhead and reduce more jobs in the future and continue to concentrate more wealth to a few at the cost of the many. From what I have heard a similar situation took place in the clamming industry.

My points are these-it seems very clear to me-let's not over manage

1st-Do not let new applicants into the general access fishery 2nd-Do not allow limited access vessels to participate in general access fishery 3rd-See what happens to the price-if it drops the fishing pressure will subside with no more management needed-if not- 4th-Use the Nov.1, 2004 control date-discover how many boats are left in the fleet-still to much pressure- 5th-Limit days allowed to fish-5dys/week-no sat/sun 6th-Cut days further 7th-Institute hard TAC on total fishery not just one part

I think by that time you will see the cyclical effects of the fishery and it will be a price issue rather than a pressure issue.

It seems hard to see how a TAC could be placed only a part of the fishery if the true motive of a TAC is concern for the biomass especially if it only applies to 10-15% of the total catch. How would it work-okay 850 boats are allowed 6.5 million pnds and you other 250 go ahead and catch 50,60,70 million pounds. That would not appear to be concern for the biomass,or concern for the couple of thousand of fisherman who would be

affected. I would move slowly-there does not seem to be a need to take multiple steps at once.

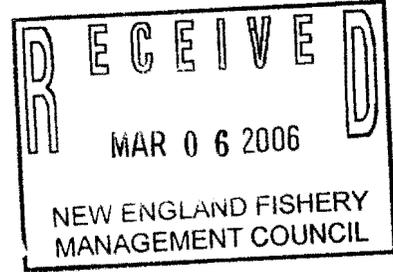
I am not educated enough on the idea of sectors and harvesting coops to know if they are a good idea. I would like to say as a newcomer to the entire fisheries management world there seems that there should be some information given to an applicant for a permit. If someone applies for a general access permit today nobody at nmfs makes them aware that a control date has been set and what that means. At least send them the info when they send out the application.

Regards,

William DiCianni
Long Branch, NJ
732-222-0296

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Tuesday, March 07, 2006 4:34 PM
To: Deirdre Boelke
Subject: [Fwd: Amendment 11]



----- Original Message -----
Subject: Amendment 11
Date: Mon, 06 Mar 2006 15:13:28 -0500 (EST)
From: BaileysOystersCo@aol.com
To: ScallopScoping@noaa.gov

March 6, 2006

Dear Mr. Howard,

As a Day/General Category Scallop license holder, I had the pleasure of attending both the meeting in Boston in 2005 and also the meeting in Cape May in February of this year. I walked away from both meetings not sure how the control of the GC Quotas was going to be handled. A suggestion was made at the Boston meeting to install Sky Mate/Boat Trax, which was put into place in December of 2005. This cost me approximately \$10,000.00 for each of my vessels to install & maintain these systems. However, this has cut the 400 pound boat fleet by 70%. I feel now that this system is in place the control date should be reset to December 2005 for a true study of the fleet catch rates and size of operating vessels.

In reference to the issue of eliminating GC category boats, I am suggesting a maximum of 200 working days per year, with a maximum dredge size of 16 foot, which will further reduce catch amounts by GC Boats and possibly making it limited entry as of December 2005. These are compromises I feel are necessary because it would be extremely unfair to eliminate GC category boats after making all boats install Sky mate systems at approximately \$10,000.00 in order to keep their existing permits.

I also do not feel this is a stock issue because the stock is there. I feel it is an issue of a few people wanting to monopolize this viable fishery. This fishery is helping a few small operators earn a living and maintain their businesses. I myself, have three General Category vessels which employ crews and captains, and this would be a serious economic hardship to the crew, captains and their families.

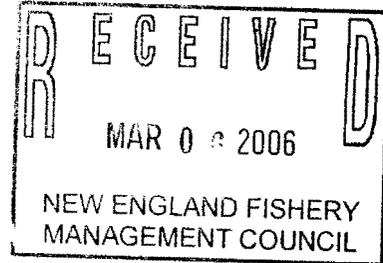
Thank you for your considerations. If you have any questions or concerns, please do not hesitate to call me.

Sincerely yours,

Scott R. Bailey
Bailey's Oysters, Crabs & Soft Crabs, LLC
(856) 207-2239

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Tuesday, March 07, 2006 4:34 PM
To: Deirdre Boelke
Subject: [Fwd: Att: Mr. Paul J. Howard]



----- Original Message -----

Subject: Att: Mr. Paul J. Howard
Date: Mon, 06 Mar 2006 20:24:39 -0500 (EST)
From: Cjob96@aol.com
To: ScallopScoping@noaa.gov

Dear Mr. Howard,

I attended the Scallop meeting on February 21, 2006 in Cape May County, NJ. I own and operate a commercial fishing vessel, and hold a Category B, General Scallop Permit. I would like to see the Control Date of November 1, 2004 go into effect. I have been fishing for the last twenty years, and in January of 2004 was finally able to afford to purchase my own fishing vessel. I have invested much time, labor and money on pursuing my life's dream. I purchased and had the VMS installed almost immediately upon receiving information that this was a new NMFS requirement. All of my fishing logs to date are completed and turned in to NMFS as well. I feel that, while fishing over the past twenty years, attending Tuna & Monkfish Meetings, working deck and also running other people's boats as Captain, that I never could see a "light at the end of the tunnel", as whichever working fishery at the time was going through amendments and regulations, some better than others. Perhaps a consideration would be to recognize a percentage of income that GC applicants that have abided by all regulations thus far and have the control date pertain to income made from Scalping and other Fisheries from vessels other than their own, being that in this business, most people have to work their way in more than one fishery and be versatile to be able to finally afford a fishing vessel of their own. Thank you for your time and consideration.

Sincerely,
Capt. Craig O'Brien
FV Julianne

DON MYERS

F/V CASSIAR
F/V SNOOPY II
~~XXXXXXXXXX~~

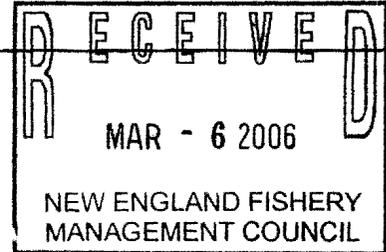
P.O. BOX 146
WEST CREEK, NJ 08092

HOME - 609-296-9343
CELL - 709-9765
FAX - 296-8043

3/6/06

To - NEFMC

RE - Scallop Amend, 11 Scoping Comment.



I support -

- 1 - NEW LIMITED ACCESS G.C. PERMIT
- 2 - THE CONTROL DATE FOR QUALIFYING
- 3 - INDIVIDUAL DAS
- 4 - THE G.C. SHOULD BE ALLOCATED 5.8% OF THE TOTAL.

To Qualify -

- 1 - PICK YOUR BEST YEAR (REGARDING DAYS FISHED) IN THE 5 YEARS PRECEDING THE CONTROL DATE (2000-2004)
- 2 - EACH DAY YOU FISHED WOULD BE COUNTED AS 1 "SNARE" (THIS WOULD BE A PERFECT 'GAUGE' FOR PART PARTICIPATION)
EACH SNARE MIGHT BE WORTH 1 DAS OR $\frac{1}{2}$ DAS OR
HOWEVER IT WORKS OUT AS A PERCENTAGE OF THE TAC.
THIS WOULD MAKE IT EASY FOR NMFS TO REGULATE DAS UP OR DOWN AS NEEDED (DAS X 400 = TAC)

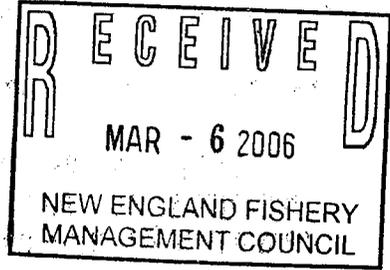
I ALSO SUPPORT -

- 1 - 400 LB. PER DAY TRIP LIMIT
- 2 - DUAL APPLICATION FOR L.A. VESSELS (THEY WERE PART OF THE 5.8% IN 2004)
- 3 - HARD TAC FOR EVERY SEGMENT OF THE FISHERY (WE WOULD NEVER GO OVER WITH DAS & DAILY LIMIT)
- 4 - PERMIT STACKING & DAS LEASING REGARDLESS OF BASELINE SPECS.

I DO NOT SUPPORT DEDICATED ACCESS PRIVILEGES (TOO COMPLICATED, SEEMS LIKE SIMPLE IS ALWAYS BEST)

THANKS
DON MYERS

New England Fishery Management
Scallop Management
General Scallop Comments
50 Water Street
The Tannery Mill 2
Newbery port MA 10950



Dear Sir,

Wanchese Fish Company has vessels with Limited Access Scallop permits. General Scalloping is a traditional part of the scallop industry, Management of scallops and the related price increase has created is the problem with general category.

The moratorium date should be moved to 2006

A line should be drawn from Maine to Carolina allowing general scalloping to the West & limited access vessels scalloping to the East. Closed areas could have a similar line. Vessel tracking lines from years back should be used to help establish where the North South line be drawn.

Currently scallops die of old age (not thick enough to use open area limited access days at sea.)

General Scallopers harvest from areas closest to shore; this should be allowed to continue. The line will make management simple.

Thank You,

Joey Daniels Wanchese Fish Co.
03-02-06

PO
BOX 369

WANCHESE
NORTH
CAROLINA
27981

919
473-5001

919
473-5004
FAX

fishery in three distinct ways: 1) seasonal directed fishery as an adjunct to other limited access fisheries, and 2) bycatch in the limited access groundfish fishery.

2-01

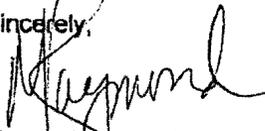
Regarding Amendment 11 to the Scallop Fishery Management Plan AFM endorses:

- Adherence to the November 2004 control date for determining eligibility for a new "limited access" permit in the general category scallop fishery.
- Qualification criteria (landings history) for the new "limited access" permit that reflects a significant level of dependence on the fishery.
- A "tiered" permit system that would assign differing levels of future participation. One "tier" for qualifiers (described above) and a separate "tier" for non-qualifiers that also have a history of general category scallop participation within the existing small dredge exemption area in the Gulf of Maine. Future participation for this tier would be at a reduced number of opportunities (trips, not trip limits), compared to the new limited access tier, and would also be limited to the existing small dredge exemption area in the Gulf of Maine.
- Hard TACs only if they are applied to the entire fishery, and only if they can be structured to prevent derbies (e.g. seasonal distribution of the TAC and/or individual allocations).
- Sector allocations that are based on history of participation by sector members, not on set-asides (e.g. "community allocations").
- Bycatch allowance for other fisheries that reflects recent actual bycatch numbers. For the groundfish closed area II special access program, a different bycatch allowance may be prudent if data from the special access program supports an increased bycatch allowance as compared to average bycatch levels in other fisheries.

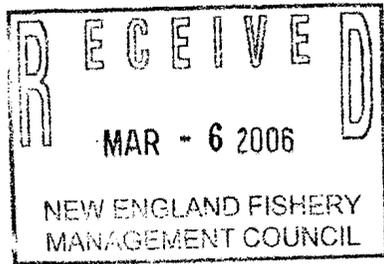
AFM looks forward to working collaboratively with the Council to ensure to the extent possible that the needs of our members are met while simultaneously crafting a biologically sustainable management regime for the general category scallop fishery.

As always, we appreciate your consideration of our views.

Sincerely,



Maggie Raymond
Associated Fisheries of Maine



Dallas W. Huckins
PO Box 371
Machiasport, ME 04855
(207) 255-0725
March 1, 2006

Paul Howard -

I am writing in regards to the general sea scallop regulations you are trying to put into effect.

I received a letter in September 2005 stating that in order to keep my 400lb limit license I needed to install a VMS on my fishing vessel.

So to keep my license I then had to install a generator to run the computer I also had to purchase to go with this VMS. I then had to buy rigging for scalloping so I would not lose my license. This combined has cost me approximately \$70,000.

When I put all of this money and work into my boat I was never informed of any possible date of Nov 2004 having to have previous scallop landings.

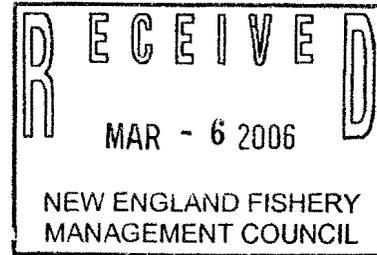
Therefore I feel you should not be able to use a cut off date for any fisherman who went ahead and installed the VMS.

If any restrictions at all are to go into effect, which I am against, the people who purchased the VMS instrument should be able to keep their 400 lb licenses.

Please feel free to contact me in any way regarding this matter.

Sincerely,
Dallas Huckins

John D. Wood, F/V Mistress II
P.O. Box 173
Machiasport, Me 04655
Home: 207-255-36850
Fax: 207-255-5841



January 28, 2006

New England Fisheries Management Council
RE: Atlantic Sea Scallop Amendment 11 Scoping Comments
Seven specific scoping issues

Issue #1 – Limited Entry

Control Date: The November 1, 2004 control date must be adhered to. In addition to the control date three to five year prior landings, or 3-5 consecutive years of landings, should also be considered to protect the historical participants that have been using the GC as a directed fishery for years and this would reflect a significant level of dependence on the fishery.

Impacts: With the November 1, 2004 control date the number of participants would drop to between 407 and 425. And with the three to five years of prior landings also being part of the qualifying criteria, it would lower the participants to between 300- 352, which is where it has historically been.

Issue #2 – Allocation

The allocation for GC should be set at 15 % to 20 % based on the qualification criteria and the amount of GC vessels in the fleet as a result of limited entry, if this is used. The council may also want to consider allocation on an individual basis. Example "IFQ" based on past historical landings. The main goal for allocation should be determined by the size of the GC fleet should limited entry be used.

Issue #3 – Dual application for limited access vessels

The Amendment should include an alternative to prevent LA vessels from fishing under a GC permit. In the past the Council has included alternatives that prevented DAS groundfish vessels from possessing an open access hand gear permit. The same alternatives should be considered for LA scallop vessels fishing under a GC permit. The Council should include an alternative to allow an incidental scallop catch of 100 pounds for the vessels

that may not fall under the control date or additional criteria of this Amendment.

Impacts: The LA vessels would catch 75 % of the allocation, the GC vessels would catch 20 % of the allocation, and that would leave 5 % of the allocation for incidental, observer coverage, and research set aside.

Issue #4 – Hard TACs

Only if they are applied to the entire fishery, and only if they can be structured to prevent a derby style of fishing (IFQ)

Issue #5 – Sectors, DAPs

Sector allocations that are based on history of participation by sector members, not on set-asides (e.g. “community allocations”)

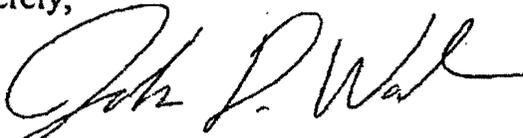
Issue #6 – Incidental scallop catch

If limited entry is adopted for the GC fleet, vessels that do not qualify should be allowed to land 40- 100 pounds of scallops. If a hard TAC is reached and the GC fisheries closes, there should be a incidental catch limit for GC vessels based on actual bycatch numbers from historical participants when targeting other species. (E.g. groundfish boats)

Issue #7 – Change of fishing year

The fishing year should not be changed because if hard TACs were considered in the GC fishery the GC vessels in the Mid-Atlantic would have a better opportunity to land the GC TAC before the New England GC vessels due primarily because of the weather.

Sincerely,



John D. Wood

TO: PAUL J. HOWARD

RE: "ATLANTIC SEA SCALLOP AMENDMENT II SCOPING COMMENTS"

FROM: WILLIAM MCINTYRE - F/V - SHADY LADY

RECEIVED
MAR - 6 2006
NEW ENGLAND FISHERY
MANAGEMENT COUNCIL

As a fisherman who is just converting over to this fishery from FLAG LONGLINING I AM FOR LIMITED ENTRY USING THE VMS (OPERATING CURRENTLY) TO DETERMINE WHO SHOULD BE ALLOWED INTO THE GENERAL CATEGORY. WITH 800+ VMS CURRENTLY OPERATING THAT WOULD LIMIT THE NUMBER OF GENERAL CATEGORY PERMITS TO ROUGHLY 35% OF TOTAL GENERAL CATEGORY PERMITS - GREATLY REDUCING THE FLEET.

ALLOCATION SHOULD BE DETERMINED ON AN INDIVIDUAL BASIS, NOT DETERMINED BY PREVIOUS CATCH RECORDS. FOR EXAMPLE IF YOU ALLOCATE 6,000,000 POUNDS TO THE GC, SIMPLY DIVIDE THAT POUNDAGE BY 800+ BOATS CURRENTLY USING THE VMS. ($6,000,000 / 800 = 7500 \text{ lbs per boat}$)

IF EACH BOAT KNOWS HOW MANY POUNDS THEY COULD CATCH THEY COULD SET THE MAXIMUM DOLLAR FOR THEIR LOAD AND THIS WOULD BE MUCH SAFER FOR ALL CONCERNED BOATS PREVENTING THEM FROM HAVING TO GO OUT IN ADVERSE WEATHER CONDITIONS TO CATCH A PIECE OF A GENERAL CATEGORY QUOTA DETERMINED BY AN OPENING DATE.

I FEEL THE LA SHOULD NOT BE ABLE TO LAND PRODUCT UNDER G.C. RULES.

I DO NOT KNOW ENOUGH ABOUT THIS FISHERY TO COMMENT ON CHANGING THE FISHING YEAR.

(2)

THE NMFS BY NOT HAVING A SPECIFIC DATE
UPON WHICH PERMITS WOULD OR WOULD NOT BE ISSUED HAS
OBVIOUSLY HELPED IN MAKING A DIFFICULT DECISION EVEN
HARDER.

FOR THESE BOATS JUST GETTING INTO THIS FISHERY
(LIKE MYSELF) YOU ARE TALKING ABOUT CAPITAL OUTLAYS OF
BETWEEN \$45,000.00 - \$120,000.00 DETERMINED BY YOUR SPECIFIC
NEEDS. YOU, MEANING THE NMFS, CAN NOT SIMPLY DISREGARD
THE FISHING VESSELS WHICH FALL INTO THIS CATEGORY AND
HAVE MET ALL YOUR CURRENT PRE-EASTING REQUIREMENTS.!!

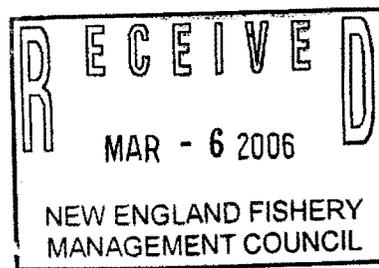
THANKS

BILL MCINTYRE

F/U - SHADY LADY

JOB # 908223

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950
Phone: (978) 465-0492



RE: Amended copy of Atlantic Sea Scallop Amendment 11 Scoping Comments.

Dear Mr. Howard;

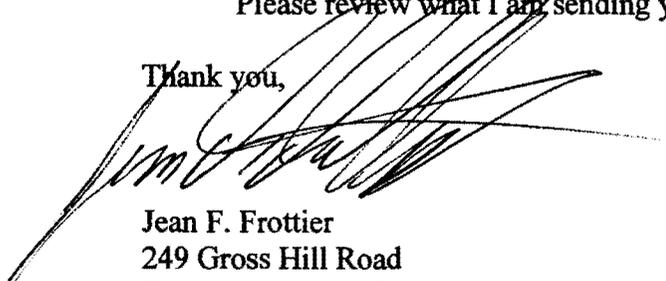
Please find enclosed a copy of my comments that has been amended to correct for my brain cramp which made me keep referring to the Scallop Framework 18 as "amendment 18", and to reflect some of what was said at the Hyannis hearing.

The reason for my extended filing, and such attention to formality, has to do with the harm that the Council has done to me, and also many others like me, with actions that are contrary to the Council's stated policy and express provisions of the MSFA. The way that things are going this ugly mess will eventually end up in court. For my part, I want the record to show precisely what I said to the Council and when.

The day that Council dealings become honest will be the day that we can begin to solve our never-ending fishing crisis. As I write you this cover letter, NMFS is proposing yet another emergency action because you folks screwed-up again.

Please review what I am sending you, and have the record show what was sent.

Thank you,



Jean F. Frottier
249 Gross Hill Road
Wellfleet, MA 02667

Atlantic Sea Scallop Amendment 11 Scoping Comments

My name is Jean Frottier, I am now 62 years old, I have been a commercial fisherman for 35 years, and I have fished full-time since 1990. I am also a commercial diver who has logged fully 11,000 hours underwater in Massachusetts state waters. Throughout the past 35 years I have fished out of Provincetown for lobsters by diving and pots, I then fished for tuna until that season would be closed, and then I would jig for cod in the Gulf of Maine and Georges Bank. This mode of fishing was clean, and it worked, until the NEFMC began their regime of mismanagement that has resulted in changing the entire environmental order of the area under their control. Much like the asteroid that rapidly changed the environmental order that once favored the dinosaurs, NEFMC policies have very rapidly reordered the New England marine environment that once favored the cod and yellowtail flounder that are today in such dire condition. As USGS/NMFS studies say, glaciers and their aftermath "resulted in habitats favorable to commercial species", but now we have a much different environment to which we must all adapt. Where we once had the underwater equivalent of a forest we today have the underwater equivalent of a plain. We must all now fish on what is left available.

The NEFMC has scheduled meetings because the council now says "there is an alarming problem with the general category landings". True to form, the council chose to form and scope a debate without any input from long-time general category stakeholders. Recognizing that trouble was coming, the NEFMC puts together an *ad hoc* committee of general category representatives, but none of what we are considering here has any input from this group. The scoping document prepared by the NEFMC also ignores one of the major causal factors driving the increase in general category effort, namely, the mismanagement of the multispecies fishery. The Director of the Mass. DMF says it well: "successful management of cod has continued to elude the New England region". This is not rocket science. When the NEFMC closed large tracts of offshore fishing grounds to bottom fishing, all that offshore effort would perforce be diverted to the remaining bottom. Like a balloon, you push in one place and it bulges in another place. With no regulations put in place to control the size and power of the boats moving their operations into inshore waters, and with no serious effort made to regulate the gear employed by such boats, the destruction of the fish stocks and the inshore bottom habitat was just a matter of time. That inevitability is today manifest. We now look to what is left.

In order to have empirical evidence of the big picture, the record of these hearings should properly contain copies of a document entitled "Relative Distribution and Abundance of Cod in the Northwestern Atlantic 1979-2005" -- derived from NEFSC Spring Bottom Trawl Surveys, and also a copy of a USGS report and map, dated July, 2001 (see Exhibit II, print copies of cumulative summer cod surveys, and copy of two page USGS paper). Looking at the surveys in chronological order, along with the excellent USGS map, one is confronted with stark and shocking evidence of the consequences of misguided NEFMC/NMFS policies. Using these maps, one can readily see that fully 11 years of groundfish "closures" have only resulted in much less cod distributed in the NCLA and CAI, little change in CAII, and a virtual disappearance of cod distribution in the open areas extending northward to Nauset Light. Why is this?

Well, much of the answer lies in the fact that under NEFMC “management” these are not closed areas, but are being administered like private fishing preserves for special interests favored by the Council. These include the limited access scallop fleet comprised of about 320 large boats, the “midwater” small pelagic trawler fleet of about 17 very large boats, and an unknown number of boats at least claiming to be charter boats. Viewed from this perspective, the groundfish boats are the ones who have, in fact, been paying for the prosperity of a few by the great decade long sacrifices of the groundfish fleet as a whole. How can you have progress with leaches living off the bottom, and cheats freely crossing the line along the “fence” (CA I, west side) because they were successful in preventing a requirement for VMS in Amendment 13 and before? All you can say here is “good job Brownie” – like in hurricane Katrina fame.

Tragically, the truth is that we are ruled by a council that has been cited by others across the nation as the poster-boy for everything that is wrong with the council system. We also have U.S. District Court Judge Kessler ruling that NMFS was “frustrating the will of the Congress” – essentially because NMFS had been rubber-stamping actions of the NEFMC which were contrary to explicit mandates of Magnuson-Stevens. This is a council that has also demonstrated contempt and prejudice towards clean fishing and towards fishermen using historical and sustainable fishing methods. For me personally, and for all other jig, hook, or drop gillnet fishermen, NEFMC prejudice translated into a continuation of the unenforceable gillnet rules which even the U.S. Coast Guard and NOAA Law Enforcement had long and often reported to the NEFMC as having “little probability of enforcement”. The result – prime bottom monopolized by illegal gillnets.

For the past nine years, every time I would go to my primary fishing grounds on the backshore of Cape Cod I would find some combination of legal and illegal gillnets parked on the bottom, and preventing me from fishing the prime bottom. These nets would remain day after day, untended for a week or more, then they would be hauled, and the totally rotten and half eaten fish discarded. Sometimes this would happen while I was trying to jig next to an unmarked net, and a State licensed boat, with absolutely no right whatsoever to fish in Federal waters, would come up and haul the net. When he tried to reset his illegal net I would yell at him, cut the end, and we would get into a big fight. However, when I would return to the fishing grounds the illegal nets would be back, and both the U.S. Coast Guard and NOAA Law Enforcement said that there was nothing they could do about it. Unless the fishing conditions had changed, these nets would be set again and again on the prime bottom, and the cycle would repeat itself.

When I tried to fish in open areas outside the carpet of legal/illegal gillnets, I would often have to confront hard bottom draggers ripping up the wrecks and rock piles upon which my mode of fishing depended. It is quite a sight to see a large dragger next to you with his gear all ripped-up and a piece of one of the treasured wrecks entwined in his gear. Or, to watch a hard bottom dragger belching black smoke as they rapidly power-up to mow-down a piece of bottom structure. Today, the productive bottom is gone and the fish are gone. Game over! I have here provided an exhibit comprised of eight (8) items, beginning with the NEFMC scoping letter for Amendment 13, dated April 7, 2000, showing what I was trying to do to stop; (a) the lawlessness, (b) the habitat

destruction, (c) the gross waste of cod and other species, and (d) to have the NEFMC itself comply with the law (see attached Exhibit I). For the record, this illegal and grossly wasteful gillnet fishing ongoing. Today it is no longer possible to continue fishing like I have for the past 35 years, and I must now adapt my fishing to the realities of the new environmental order that is in place. I intend to get a General Category B permit on May 1, 2006, and I will fight in court, if necessary, to be able to fish on the only thing left.

Now, many disenfranchised members of the groundfish fleet, myself included, need to move into the general category scallop fishery as a matter of survival. The NEFMC scallop committee, dominated by limited access stakeholders and their allies, falsely tries to paint groundfish boats left with no other options as opportunists and profiteers; "The number of permits explodes as soon as there's any scallops close to the beach. ..." (Tom Hill, Scallop Committee Chairman). In truth, it is the limited access big boat fleet that shows up as soon as there are scallops "close to the beach", and soon wipes them out. Notwithstanding, it is also true that the whole spectrum (good, bad, and ugly) of groundfish boats are looking to move into the general category fishery. Without any input from long-time general category stakeholders, the NEFMC has already proposed a November 2004 cut-off date based on a mere 40 pounds of scallop landings. That led to the spectacle at the NEFMC meeting of June 22-23, 2005, where a representative of the big-boat dragger fleet tried to pass-off some of that gang as "long-timers" because they caught, or claimed to have caught, this mere 40 pounds of scallops. Not a good start!

I. Number One Consideration for NEFMC – Define the General Category.

Without a doubt, the first thing that the NEFMC must do is to clearly define the general category as to what it is, and what it is not. From day one, the general category has been defined as an open category with a 400 pound limit which was set when scallops were selling for their historical average price of about \$5.00 per pound. It was also very common to see the term "day boat" attached to those working under a general category license. It is my position that the general category should never be allowed to become subverted into a sub-set of the industrial type of scallop fishing conducted by the limited access fleet. Notwithstanding, some are today trying to do exactly that. If one looks, one sees that limited access stakeholders and their allies are buying general category permits, and some industrial grade groundfish boat owners are doing the same. This will be the core battle that will have to be settled first. Look at what the NEFMC has already said in their Framework 18 -- concerning **6.1.1.4 National Standard 4: Fairness and equity** -- "The proposed action maintains equity by allowing fishermen, vessel owners, and fishing communities to benefit from the scallop biomass that has built up in the Georges Bank closed areas and projected to increase in the Mid-Atlantic controlled access areas. Vessels with general category scallop permits as well as vessels with limited access scallop permits will be able to fish in the proposed access areas. Some vessels with general category permits may have targeted scallops in these areas before they were closed and many more have been affected by the severe restrictions in other fisheries that are under rebuilding programs. Access therefore allows these vessels that may have been disadvantaged by the closures or are under severe restrictions in other fisheries to benefit from the surplus scallop biomass in the access areas".

First of all, there is no "surplus scallop biomass". If we are to believe the NEFMC scoping document, the situation is as follows:

“Overfishing is occurring on the scallop resource and growth in fishing effort and landings by the general category sector is one of the contributing factors”.

What we see is the NEFMC saying different things at different times in order to accommodate the agenda at hand. Furthermore, what all this shows is that the big fish are, again, trying to feed off of the little fish. The very same large heavy metal boats that have caused the greatest harm to the fish stocks and bottom habitat are now scrambling to monopolize whatever is left. And, the NEFMC is already showing favoritism for this.

If the general category is to remain in the traditional mold of open and small scale, as I believe, some of the tools available to the NEFMC to keep it that way are:

- (1) Owner operator requirement for participation in open general category – at least 51% ownership by operator.
- (2) Establish a line of demarcation between inshore and offshore waters (long overdue) and separate big boat fishing from small boat fishing. The inshore scallop resource will be destroyed just as inevitably as the inshore groundfish stocks and the inshore cod bottom unless industrial grade fishing is moved out from the beach.
- (3) Limiting the time that the fishing gear can be used within a given time period. Using VMS, it is already possible to make valid assumptions concerning fishing behavior, (e.g., <1 knot = laying-to, and >5 knots=steaming).
- (4) Regulate the fishing power of boats in the inshore general category. Heavy weather high horsepower fishing platforms grinding on the bottom hour on end should not be allowed inshore.

II. Next Consideration – Restore the Fleet Wide Historical Balance.

At this point, the NEFMC should recognize that after fully eleven (11) years, one can reasonably assume that the trend shown by that loop of the spring cod surveys means that the cod will never return in mass to the closed bottom as long as it is being used as it is. Logically, and fairly, why should only one of the historical user groups have all the resources that are today on that bottom? With these “closed” areas now shown to contain up to 80% of the total scallop biomass, it seems only right and proper that the TAC for these areas should be split between the two historical user groups of that bottom. The only other option would be to close the areas completely, to everybody, in the hopes that the cod might eventually return, but that makes absolutely no sense. What we have today is not the end of the world, just the end of the world we used to have. That said:

- (1) The NEFMC should now admit that the Georges Bank closed areas have been a failure with respect to its intended purpose, and that upon a record of 11 years it is not likely that the cod will come back into the these areas, and that a new environmental balance has developed.
- (2) The NEFMC no longer has any good reason for not opening more of these areas to limited scallop fishing.

- (3) The NEFMC should split the general category and form a large-boat limited access category.
- (4) The NEFMC should determine which boats historically fished the waters within these closed areas and set forth the criteria for a switch-over to scalloping in these areas.
- (5) The NEFMC should split the scallop TAC for these “closed” areas between the former groundfish users and the scallop boats – which are today being given everything.

III. Next Consideration – Protect the Bottom Habitat and Impacted Stocks.

The ocean equivalent of the forest is gone – from Race Point to the Great South Channel - and it will never be restored until after the next glacier. Notwithstanding, we still need to protect what is left - along with the valuable fisheries that the remaining habitat will still support. The NEFMC has clearly learned the value of managing the bottom to maximize the production of scallops. The other very important species now thriving in this new environmental order is lobster. However, when the lobsters migrating across the scallop grounds run into scallop gear it is not a pretty picture. At times the result is a deck full of mostly crushed and broken lobsters, many of those new eggers, ripped from the population trying to migrate back to their winter grounds in the Georges canyons. Here is what the NEFMC has represented in their Framework 18: *“(3) Can the proposed action reasonably be expected to cause substantial damage to the ocean and coastal habitats and/or essential fish habitat (EFH) as defined under the Magnuson-Stevens Act and identified in FMPs?”*

Response: No, the proposed action is not reasonably expected to cause substantial damage to the ocean and coastal habitats and/or EFH. The conclusion in the EFH Assessment (Section 0) is that this action will have minimal impact on EFH. . This action will not change the measures put in place under Amendment 10 to reduce impacts on EFH. Specifically, this action does not allow access into the Habitat Closed Areas, and it maintains the requirement for scallop vessels to use 4-inch rings, which are believed to reduce impacts on benthic environments.”.

But, here is what the USGS Fact Sheet on Geology and Fishery of Georges Bank says:

“USGS/NMFS sidescan sonar surveys of fishing grounds shows extensive scarring of the bottom by groundfish trawls and scallop dredges”

Some possible steps to take:

- (1) Control the size and weight of the gear allowed in all open areas.
- (2) Control the time the gear is allowed to be on the bottom in any given day.
- (3) Close migration areas to scallop gear and roller gear during times of peak lobster migration over the fishing grounds.

IV. Next Consideration – Use the Scallop Resource to Help Communities.

The NEFMC has a responsibility to the many small communities along the coast that have already lost so much as a consequence of NEFMC mismanagement and the manifest prejudice towards the small boat fleet. The NEFMC has hurt a great many small fishing communities with policies devastating to the small-boat groundfish fleet that operated out of these ports. Now, the cod are at the lowest level yet measured and we

have empirical evidence that much of the remaining bottom habitat may never again support large populations of cod. We are seeing a repeat of the Canadian experience. A properly structured general category fishery is today more important than ever.

V. Other Valid Considerations for NEFMC General Category Policies.

- (a) The NEFMC needs to set a realistic landing weight for determining the true “long-term” participants in the general category fishery. Any boat that has not fished at least 20 to 25 days in a year and/or landed 8,000 to 10,000 lbs of scallop meats is not a real “long-time” participant.
- (b) The NEFMC should properly follow the lead of other Councils and make a distinction between inshore and offshore waters. The Pacific Council defines inshore waters as out to 40 miles.
- (c) The NEFMC must finally enact measures that recognize the differences between the resource and habitat impacts of big boats versus small boats. The NEFMC should then start using the extensive data that it has been collecting and charting about the length, weight, horsepower, and age of federally licensed boats. Simply, big boats do more harm to the bottom with the heavier gear that they need to use.
- (d) Enforcement concerns – big boats and small boats are here, again, not equal. Big boats have much greater per hour costs of operation, and therefore have greater incentive to make-up for this by taking more than the legal limit. Big boats also have many more places to successfully hide contraband. Solution – limit the length of a fishing trip for all general category boats. Remember the term day boat?

The NEFMC tries to ignore the reality that the groundfish collapse orchestrated by shortsighted and disastrous NEFMC policies is directly linked to the growth of general category effort. The NEFMC conceals facts, misrepresents facts, and then prepares a scoping document without any input from general category stakeholders. Born of the foregoing, the NEFMC scoping document first tries to limit all discussion to “seven specific issues” and states; *“Comments on other aspects of scallop management are not invited at this time, and will not be considered during the development of Amendment 11.”*. At the end, the NEFMC changes course, and states; *“The Council needs your input both to identify management issues and develop alternatives that meet the Scallop FMP objectives.”*. Which one is it?

The staff of the NEFMC readily admits that this general category issue is going to be ugly, but here is what the NEFMC has already represented in their Framework 18:

8) *Are the effects on the quality of the human environment likely to be highly controversial?*

Response: No, the effects on the quality of the human environment are not likely to be highly controversial. The proposed action will modify the rotational area management program, overall improving flexibility and performance of the program, which will have positive impacts on the long-term success of the program, thus positive impacts on the human environment. Sections 5.2 and 5.3 assess both the economic and social impacts of the proposed action, and Section 5.4.4.5

describes the potential cumulative effects of this action on the human environment. Overall, the proposed action is expected to have positive impacts on landings and revenues, thus beneficial for the human environment and is not likely to be highly controversial". Please!!

Finally, if any member of the NEFMC finds my comments to be hostile and/or offensive, please take time to review the documents that I have provided in Exhibit I. You must expect to be judged and treated according to your actions and their results. How many of your failures do you expect us to endure? Additionally, please review the record of hearings on the four (4) alternatives presented for the public in the Amendment 13 process. Then, look at the alternative 5 that came into the back door to become the law that has been re-written ever since. Now look to what is going on in the NEFMC Framework 42, and compare that to the public record for amendment 13. It was all said years before your Framework 42 now in play. The NEFMC, for no legitimate reason, chose to ignore all the good advice that was presented by the public. I see the dishonesty of that Amendment 13 process repeating itself on this general category issue. For the small coastal communities, this is the most important turning point since the 1976 act that created the eight Regional Councils. The failure to control industrial grade fishing was the primary mistake made then and since. So far, we can see history repeating itself. This time around the NEFMC/NMFS must get it right and play it straight – period.

Jean Frottier
Wellfleet, MA
E-Mail: woofy1@comcast.net

ADDENDUM – Post Hearing on February 23, 2006, Hyannis Airport

Worthwhile considerations from points raised at the hearing:

- (1) One owner of two limited access boats suggested putting all general category boats into a limited DAS program. I would suggest that from there the NEFMC could split the general category into “full time” and “part time” sectors. The NEFMC should be at all times mindful that scallop dredges have negative impacts on the bottom and can cause permanent damage to certain hard bottom habitats.
- (2) One speaker owning limited access scallop boats pointed out that many boats now fishing in the limited access scallop category gave-up their groundfish history in order to be able to participate in the program. The NEFMC could consider giving a number of active groundfish boats, with a history of fishing in the scallop access areas, the option of giving-up their groundfish permits in exchange for a limited access scallop permit. The idea would be to move strong boats out of a very weak fishery into a much stronger fishery being conducted on the once shared bottom.
- (3) One speaker owning two limited access scallop boats, and having his primary business in the surf clam fishery, pointed out that everybody should be thinking about compromise if all this is to turn out well.
- (4) The Scallop Committee Chairman called the limited access fishery (and the part that the NEFMC played) a “great success”. The truth is that this fishery is only a “great success” if one ignores the huge cost to the other fishers, fish stocks, and EFH caused by the fleet displacement from “closed” areas upon which it operates.

Exhibit I.

Copies of:

- (1) NEFMC Letter to Groundfish Permit Holders, RE: Amendment 13, dated April 7, 2000.**
- (2) Frottier letter to Massachusetts Director of DMF and to NEFMC, dated November 26, 2001.**
- (3) Frottier letter to NEFMC Chairmen Barbara Stevenson.**
- (4) Frottier letter/comment sent to Patricia Kurkul, RE: Amended Interim Rule for Groundfish, dated May 25, 2002.**
- (5) Copy of the first six (6) pages of the NEFMC Public Hearing Summary, Hyannis, MA, for hearing held on September 14, 2003. Frottier comments highlighted on pages 5-6.**
- (6) Frottier letter to NEFMC Council Members – entitled Lawlessness and Consequences, dated October 14, 2003**
- (7) Frottier letter/comment sent to CFN, dated December 8, 2003.**
- (8) Frottier Comments on the Proposed Rule for Amendment 13, sent via FAX on February 26, 2004.**



New England Fishery Management Council

50 WATER STREET | NEWBURYPORT, MASSACHUSETTS 01850 | PHONE 978 465 0492 | FAX 978 465 3110
Thomas R. Hill, Chairman | Paul J. Howard, Executive Director

April 7, 2000

To: Groundfish Permit Holders

Subject: Industry Participation in the Development of Amendment 13 to the Northeast Multispecies Plan

The Council is developing Amendment 13 to the Northeast Multispecies Plan. One of the major goals of this amendment will be to develop stock rebuilding plans for stocks that are overfished. There is also an opportunity to address other groundfish management issues that were identified through the Council's scoping process.

The best way to become involved in the amendment development process is to attend the Groundfish Committee meetings and participate in the discussions. If you are unable to attend, please send us your ideas by letter or fax – the sooner the better. We are interested in your thoughts and ideas on groundfish management. We look forward to your suggestions on management measures that will improve recovery of fishery resources and that will improve our management program. Our plan is to develop the broad outlines of the management alternatives by June 2000, approve a public hearing document in September 2000, conduct public hearings throughout the region in October and November, and approve the final management measures in January 2001. This ambitious schedule means you must act now to provide your input.

The management measures we choose for Amendment 13 must comply with the ten National Standards for fisheries management contained in the Magnuson-Stevens Act (Act). Some of the criteria the Council will use when evaluating management measures include the following:

- *Do the measures achieve our biological goals?* The management program must achieve optimum yield. In the case of overfished stocks, the measures must achieve rebuilding in the time period mandated by the Act. This criteria is the most important consideration in the development of this Amendment.
- *Are the measures fair and equitable?* We recognize that "fairness" is often in the eyes of the beholder. Nevertheless, the management measures in Amendment 13 must be fair and equitable to fishermen in all states, in different permit categories, using different gear types, etc.
- *Do the measures take into account the needs of fishing communities?* Consistent with the conservation requirements of the M-S Act, management measures should consider the needs of fishing communities, provide for the sustained participation of those communities and to the extent possible, minimize adverse impacts. This does not mean the management measures

cannot have adverse economic impacts if that is the result of meeting the biological goals mandated by the Act. It means that, if possible, measures should be chosen that minimize any adverse impacts.

- *Do the measures address bycatch concerns?* To the extent practical, management measures should minimize bycatch and, to the extent bycatch cannot be avoided, management measures should reduce the mortality of bycatch. Bycatch includes all fish that are harvested but are not kept for commercial or personal use.
- *Do the management measures promote the safety of life at sea?* Management measures should not encourage unsafe fishing practices.
- *Can the measures be administered?* The National Marine Fisheries Service may not be able to implement extremely complex measures. Complex measures are difficult to understand. Limits on personnel and agency funding must be considered when developing any management program.
- *Are the measures enforceable?* It makes little sense to adopt regulations that cannot be enforced. There are a number of factors that must be considered when determining enforceability. Regulations that have the support of most fishermen impose less of a burden on enforcement agencies. Clear cut rules with few exceptions are more easily understood by fishermen and boarding officers alike.
- *Are the measures flexible?* The management program we implement will be in place for a long time. Can the measures be readily adapted to new scientific information or changes in the industry?

As you prepare your input, please evaluate your proposals in light of the National Standard guidelines and the above broad concepts. We look forward to your participation in the development of this critical amendment. Please check our web page (www.nemc.org) frequently for updates on the meeting schedule and progress in developing the amendment. If you are not currently receiving meeting notices, please contact us and we will add you to our mailing list. If you have any questions about the timing of the amendment, schedule of the meetings, or how to participate in the process, do not hesitate to contact the Council staff Tom Nies at (978) 465-0492.

2

November 26, 2001

Sent by U.S. Mail and email.

NEFMC Council Member
Paul Diodati, Director
Division of Marine Fisheries
251 Causeway Street
Boston, MA 02114

RE: Ongoing problem of illegal sink gillnets set on Cape Cod backshore, and the obvious inability to enforce rules pertaining to the use of sink gillnets.

Dear Mr. Diodati;

This letter is being sent to you for consideration as both a member of the New England Fishery Management Council and as the Director of the Massachusetts Division of Marine Fisheries. By reason of such offices, I believe you are already aware that both the State of Massachusetts and the New England Fishery Management Council have promulgated various rules pertaining to the use of sink gillnets which cannot possibly be enforced. This absurdity comes about because neither the State, NOAA, or the U.S. Coast Guard had/has any vessel equipped to haul gillnets, and/or to then handle that gear and any fish contained therein. In essence, such a situation means that this one user group in the multispecies fishery is being issued what is tantamount to a license to steal.

Predictably, illegal gillnet fishing activity will be the result. The hallmark of such illegal fishing activity is the use of anonymous gillnet gear. No one disputes that existing rules require that fixed gear, including gillnet gear, must be marked – at least in a manner sufficient to identify the owner. Notwithstanding, I can tell you from personal observation over some years now that the area around 42° 00.00N and 70°00.00W is regularly plastered with numerous sink gillnets which bear no markings to identify the boats which are setting them. Some boats are trying to conceal the fact that they are illegally fishing in Federal waters on a State permit, and others seek to conceal the fact that they are fishing more gear than allowed under their Federal permit, and/or the fact that they are fishing in the GOM. This lawlessness is having a particularly devastating effect on other fisherman who are in all respects legal and who also wish to fish the area.

As I am sure you are aware, when a sink gillnet is set on a particular piece of bottom all other fisherman are prevented from fishing that bottom. Furthermore, a sink gillnet will often impede fish movement in such a way as to have a detrimental effect on fishing that extends far beyond the point where a given net is set. The foregoing are just two of many good reasons why the use of sink gillnets should be carefully controlled, but they rise to paramount concerns when we are speaking to the matter of illegal gillnets. Periodically, those of us who are fishing in that 42°00.00N and 70°00.00W area have been challenged and/or boarded by the U.S. Coast Guard while on fisheries patrol. On these occasions the Coast Guard patrol goes from boat to boat and goes through their checklist. The Coast Guard then motors over to some of the anonymous gear in the area, notes its location, and then goes home. That is all that they can do!

From personal observation while tuna fishing, I can also say that I have come across completely anonymous fixed gear from the Jeffreys Ledge to the B Buoy. Where it has long been known that the Coast Guard cannot even determine if anonymous fixed gear is gillnet or lobster gear -- all rules pertaining to tagging of gillnets or number of nets allowed are rendered into farce. Worst of all, there can be no real doubt that the New England Fishery Management Council knew this would be the case prior to promulgating such unenforceable rules and passing them off as "effort controls" for gillnetters. The resulting situation is bad, and the integrity of our fisheries management now rendered suspect. Surely, this is a betrayal of the public trust!

Unlike mobile gear fisherman, hook fisherman cannot take effective extra-legal action to free ourselves from the abuse of rogue gillnets. The last thing anyone needs, especially we hook fisherman, is a bunch of ghosting gillnet gear on our fishing grounds. Additionally, few, if any, fisherman would advocate the establishment of the massive law enforcement apparatus that would be required to effectively police gillnetters traveling over a range that sometimes extends some fifty miles from port. The only effective, fair, and reasonable solution is, as it has always been, to require that the gear stay with the boat. The practice of long-term "soaking" of gillnets has always been abhorrent to conscientious/responsible fishermen, and represents an insult to reason -- as well as to legitimate objectives of fisheries management. The market even had to coin the euphemistic term "scaler" for the half-rotten product that actually gets to market.

Finally, the gillnet regulation fiasco, such as that which has so long been evident in the 42°00.00N and 70°00.00W area, also represents an insult to certain key requirements set forth in the Sustainable Fisheries Act -- including the following most relevant portions:

Preventing overfishing, and ending overfishing of currently depressed stocks;

Rebuilding depleted stocks;

Reducing bycatch and minimizing the mortality of unavoidable bycatch.

With so much clearly weighing against the practice of unattended "soaking" of sink gillnets -- why is it being allowed? The bottom line: fishing with gillnets only becomes dirty, wasteful, and totally uncontrollable when these nets are allowed to be fished away from the boat.

In closing, I would like to say that I believe that the Division of Marine Fisheries has been doing a far better job of fisheries management under its jurisdiction than the New England Council has been doing under theirs. This letter is also being carbon copied to Patricia Kurkul, for her consideration as the Regional Administrator of NOAA and as a member of the Council.

Thank you for your consideration and for any help you can provide to solve this mess.

Sincerely yours,

J.F. Frottier
249 Gross Hill Road
Wellfleet, MA 02667
Telephone (508) 349-7291
Email: woofy1@mediaone.net

To: Barbara Stevenson
NEFMC Member, and
Owner of 3 Groundfish Trawlers

Reading your March 6, 2002 commentary, and the Sen. Collins statement, I am struck by the fact that people who know better, or at least should know better, continue to ignore the reality of extreme bycatch discards and destructive fishing practices of the trawler fleet and the gillnetters who "soak" their gear for extended periods. You folks seek to blame the environmentalists for the present crisis and the spate of recent litigation, but you should properly be blaming yourselves. The environmentalists are merely taking advantage of your manifest and continuing failings, and now they have become the tail that wags the dog.

Tragically, commercial fisherman who fish responsibly - in a manner that results in practically no discards whatsoever and no measurable damage to the bottom - currently have, and never had, any support or recognition from the New England Council and/or NMFS. In point of truth, if discards were not treated as mere abstraction, most draggers and gillnetters would (each season) be off the water in very short order. As one who now fishes single-handed with: (1) jigs, (2) either four or five hooks on each of two active rods (electrically driven), (3) in daylight hours, and (4) in an environment long degraded and/or monopolized by draggers and soaking gillnets, I average more than 400 pounds of cod per fishing trip - in the bad years. Obviously, a high horsepower dragger fishing 24/7 while pulling a net with a sweep extending to the better part of the length of a football field, or a gillnetter "soaking" miles of gillnets for days on end, will be catching (killing) many multiples of what I am catching when operating on "cod bottom". All this is wasted - day in and day out, year after year. The New England Council and NMFS has never structured any penalty for those who generate substantial bycatch and dead discards, nor any reward for those who fish without waste. For instance, the rod and reel fisherman brings in his catch one line at a time, and is therefore the only gear type that cannot accidentally exceed the daily catch limit by much, but that reality is not recognized nor rewarded. When one looks objectively at our present system one sees that all fishermen, and fishing communities, are being made to suffer greatly, and for undue length, so that the most wasteful and destructive fishers can keep conducting business as usual. To avoid sinking, best to first try plugging the hole in the boat!

The Council and NMFS pretend that cod discards amount to only 1000 m.t. per year total, but from what I have seen it is certainly more than this already unacceptable number. In point of fact, they have in place no reliable measure with which to truly gauge the waste problem. The Council and NMFS also admit to knowledge that the requisite catch reports are regularly being (illegally) falsified with respect to discards. Unfortunately, observers can only provide a partial answer because: (1) neither the Council or NMFS has any idea how many gillnets are out there under that carpet of (illegally) unmarked buoys, (2) no gillnetter is ever going to take an observer out to his pirate gear and/or to his dirty (long soaking) gear, and (3) an observer can only monitor part of the operation of a dragger fishing 24 hours a day. The record shows that both the New England Council and NMFS long knew that there was/is a problem of bycatch

waste, and they pay lip service to the problem, but year after year nothing was/is done to reign-in the most wasteful. Clearly, if it were not for the environmentalists prevailing in their lawsuit - wherein Judge Kessler expressly references the Defendant's "duty to assess and report bycatch", and their failure to do so - the Council and NMFS would have continued to unlawfully ignore the problem. Strangely, NMFS now proposes to indirectly address the bycatch waste problem by limiting the amount of time all fishers can spend "on the pile" during peak periods, and you folks start to howl and complain. So, what do you folks propose (instead) to put a stop to the ongoing bycatch waste that is truly at the heart of the seemingly endless cod problem? Why do I never hear any of you talk about the portion of Judge Kessler's decision relating to bycatch?

To Senator Collins, and to other legislators who may also chose to become involved, I would ask that you do not fail to understand that the health of our fish stocks, as well as the success of any management scheme, is perforce based upon fish mortality, and not on landings. We cannot continue to ignore one of the most fundamental rules of nature (see the story of the American Buffalo) and here achieve any measure of true success. As I write this, the example(s) of partial success which you folks now call to attention have come about by great and prolonged sacrifice by all fishermen, and much of that sacrifice has been negated by the wasteful fishing practices of many draggers and all "soaking" gillnetters. These wasters do not fish responsibly, and it heaps insult upon injury for anyone to represent that they do. Please take the time to do the math, and take, for example, the (understated) 1000 m.t. per year cod discard figure and calculate how many non-wasteful fishermen such discards would today support -- or could have supported over the years since Magnuson was enacted. Reasonably, the consequences of waste should befall those causing the waste -- otherwise, our fisheries management will continue to be dishonest and unlawful.

Finally, I would call attention to the problem of the continuing degradation/destruction of what the fisheries laws refer to as essential fish habitat (EFH). Being 58 years old, I remember the "hard" (rocky) bottom as it was before it was essentially bulldozed flat, and when it was capable of "holding" large amounts of fish. Today, the "hard" bottom most closely resembles a roadway -- it still goes up and down, but without any distinctive structure. In the past, we could go to the various defined wrecks and rockpiles to catch fish, but today the wrecks and rockpiles are gone - and so are the fish. Our prime fishing areas are now almost completely flat and denuded. As a consequence, the cod are always moving - the bottom can no longer "hold" many fish, and that sad fact should reasonably be a consideration in any process used to determine the current biomass. For its part, the New England Council has complied with the law to the extent that it has identified EFH (including all the bottom on which I fish), but has failed to comply with that portion of the law which speaks to protecting and restoring such areas. Significantly, much of what has been destroyed by the draggers and scallopers had been put in place by catastrophic acts of nature, and can now exist only in memory. And, the traces that remain today have yet to be protected in any way. Imagine, for instance, what your neighborhood would look like if a group of bulldozers ran through it on a regular basis!

Bottom line – these environmentalists won their case because you folks betrayed both the fisherman and the fish with endless schemes seeking to perpetuate the wasteful and destructive status quo. If you feel that is not the case, I would appreciate hearing from you about how you folks propose to actually end substantial bycatch discards and ongoing bottom destruction.

Sincerely,
J.F. Frottier
Wellfleet, MA

4

May 25, 2002

Patricia Kurkul,
Regional Administrator
National Marine Fisheries Service
One Blackburn Drive
Gloucester, MA 01930

RE: Comments on the Amended Interim Rule for Groundfish - total inability to enforce any gillnet regulation.

Dear Ms. Kurkul;

The Amended Interim Rule for Groundfish (again) improperly favors the gillnet gear sector with a regulatory scheme that the National Marine Fisheries Service knows cannot be enforced. As a result, all other gear sectors will continue to be abused by illegal gillnets. What part of what law allows this? NMFS must here recognize that any piece of bottom on which a gillnet is set represents a piece of bottom denied to all other fishermen.

Both the U.S. Coast Guard and NOAA Law Enforcement are on record as coming before the Enforcement Committee of the NEFMC to make it known that they are unable to enforce existing gillnet regulations. Consequently, for the years prior to the Amended Interim Rule for Groundfish, NMFS is shown as having no actual knowledge of the following information:

- (1) how many gillnets were out on the fishing grounds,
- (2) how long gillnets were being allowed to "soak",
- (3) how any set gillnets were actually configured,
- (4) how many fish the legal and/or illegal gillnets were actually killing/wasting.

There can be no good purpose served by more of the same. Furthermore, where gillnetters were/are being issued what is tantamount a license to steal, NMFS should recognize that they will do just that. The Coast Guard is clearly aware of the problem, and NOAA law enforcement is clearly aware of the problem, but there is nothing that they can do about it. They are neither equipped to haul nor handle gillnets - which can legally be up to one mile long. There is also no protocol for monitoring set gear. The situation of gillnets has always been a bad joke played on all other fishermen!

For many years now, I have been prevented from fishing on prime bottom because these areas are covered, for many months at a time, by unmarked/illegal gillnet gear. Some boats are trying to conceal the fact that they are illegally fishing in Federal waters on a State permit, and others seek to conceal the fact that they are fishing more gear than allowed under their Federal permit and/or the fact that they are fishing in the GOM. This lawlessness is having a particularly devastating effect on other fisherman who are in all respects legal and who also wish to fish the area. We are prevented from making the landings that will possibly determine our future in the multispecies fishery.

Some gillnet boats range 40-50 miles from their homeport, and can/do set gear along that entire range. Also, NMFS must certainly be aware that a long-soaking gillnet is a wasting gillnet. The only possible remedy to this regulatory fiasco is to treat the gillnet gear sector like every other; i.e., require that the nets stay/return with the boat. Such an action would reduce the current riot of lawlessness to the dull roar that is commonplace in the other sectors.

The problems associated with enforcing rules pertaining to the use of fixed gear must be confronted in any legitimate regulatory scheme. As it now stands, the Amended Interim Rule for Groundfish is just another chapter in a long-standing betrayal of the public trust. Promulgating more rules that NMFS knows to be unenforceable, and misrepresenting such rules as "effort controls", is not contemplated by Magnuson-Stevens or the Sustainable Fisheries Act.

Sincerely yours,

J.F. Frottier
249 Gross Hill Road
Wellfleet, MA 02667
Telephone (508) 349-7291
Email: woofy1@attbi.com

§ 648.84 Gear-marking requirements and gear restrictions.

- (a) Bottom-tending fixed gear, including, but not limited to, gillnets and longlines designed for, capable of, or fishing for NE multispecies or monkfish, must have the name of the owner or vessel or the official number of that vessel permanently affixed to any buoys, gillnets, longlines, or other appropriate gear so that the name of the owner or vessel or the official number of the vessel is visible on the surface of the water.**
- (b) Bottom-tending fixed gear, including, but not limited to gillnets or longline gear, must be marked so that the westernmost end (measuring the half compass circle from magnetic south through west to, and including, north) of the gear displays a standard 12-inch (30.5-cm) tetrahedral corner radar reflector and a pennant positioned on a staff at least 6 ft (1.8 m) above the buoy. The easternmost end (meaning the half compass circle from magnetic north through east to, and including, south) of the gear need display only the standard 12-inch (30.5-cm) tetrahedral radar reflector positioned in the same way.**
- (c) Continuous gillnets must not exceed 6,600 ft (2,011.7 m) between the end buoys.**
- (d) In the GOM/GB regulated mesh area specified in § 648.80(a), gillnet gear set in an irregular pattern or in any way that deviates more than 30 from the original course of the set must be marked at the extremity of the deviation with an additional marker, which must display two or more visible streamers and may either be attached to or independent of the gear.**

See Frothien
Comments p. 5-6

Pages 1-6
OF 26 pages
5

New England Fishery Management Council
Amendment 13 to the Northeast Multispecies FMP
Public Hearing Summary
Hyannis, MA
September 14, 2003

A public hearing was held to receive comments on the draft Amendment 13 to the Northeast Multispecies Fishery Management Plan and the accompanying Draft Supplemental Environmental Impact Statement (DSEIS). The meeting was chaired by Groundfish Oversight Committee Chair Mr. Frank Blount, assisted by Council staff Tom Nies. This meeting was held in two parts, with commercial measures discussed in the afternoon and recreational fishing measures discussed in the evening. Council members Mr. Eric Smith, Dr. David Pierce, and Mr. John Pappalardo were present in the afternoon, and Mr. Smith was also present in the evening. Approximately sixty-five to seventy people attended the afternoon session for commercial regulations, and about twenty to twenty-five attended the evening session on recreational regulations. Seventy-two people signed the attendance sheet.

Both sessions followed the same procedure. After introductions, Council staff provided an overview of the amendment documents (including the public hearing document and the measures matrix) and described the comment process and future actions. The public then asked questions to clarify the issues before providing comments.

Afternoon Session (Commercial Measures)

Mr. Keith Burkman, Town Manager, Provincetown MA: I have a question on the process, in order to gauge the impacts and decide what we need to do. It would be helpful to understand the process by which this group makes a recommendation to the Secretary, and what type of review and editing may take place at that level. How much opportunity will state, local, and federal officials have to express their concerns. Usually it is cut and dried at local hearings - you comment directly to the decision maker. This process is more complicated. *Mr. Blount: Congressional staffs have already been briefed by NMFS. There are five more public hearings, and the comment period ends in mid-October. The Groundfish Committee will meet in late October, and develop a recommendation for the full Council. The Committee may pick a recommended alternative. The full Council meets the first week of November, will consider the recommendations of the Committee, and decide on a proposed action at that time. The final document must be submitted to NMFS by mid-December. NMFS will review the document, and either accept or reject the Council's proposal. They could reject it outright, or they could reject parts of it. Once NMFS completes its review, it is given to the Secretary of Commerce to review, and the new regulations are put in place by May 1, 2004.*

Mr. Nies: NMFS does not believe this action is subject to judicial review under the Framework 33 lawsuit, but not all parties to that lawsuit agree.

Mr. Ted Leguinza, fishermen, Chatham MA: In Alternative 1, is hook gear required to sign in and use the GB cod seasonal trip limit, or can a fishermen choose to abide by the other trip limit? *Mr. Blount: A fishermen could choose to use either one.*

Mr. Ron Smolowitz, Fisheries Survival Fund: With respect to the hard TAC options, is there any discussion or analysis of how this will affect other fisheries? *Mr. Nies: Similar comments have been made at other public hearings. The document is not clear, in some places saying that if the TAC is caught all groundfishing with gear that catches the species is subject to some type of*

additional restrictions, in other places implying it is all gear capable of catching groundfish. It was intended to be affect only groundfishing.

Mr. Steve Scannel, fisherman, MA: Could I have more detail on the formula used for the US/CA resource sharing understanding? **Mr. Nies:** *The details of the formula are in one of the appendices. The shares are based on a calculation that uses both survey distribution and historic catches in the agreement area. Over time, the historic catch becomes less important until eventually the survey distribution becomes the only factor considered.* **Dr. Pierce:** *Another aspect is what biomass targets will be used. It is not clear the Canadians will accept the NMFS proposed biomass targets.*

Mr. Paul Parker, Executive Director, Cape Cod Commercial Hook Fishermen's Assn., Chatham, MA: With respect to the US/CA agreement, will it be a hard TAC? **Mr. Nies:** *There are two options, one where it would be a hard TAC and another where it would not be.*

Mr. Parker: If it is not a hard TAC, and the U.S. allocation is exceeded, where do those fish come from? **Mr. Blount:** *Just those areas on Georges Bank.*

Mr. Parker: Is there any downside if they overfish the eastern Georges Bank? I don't think many people even know this agreement exists. What about bycatch TACs? Can you only access haddock until you start overfishing cod? **Dr. Pierce:** *Your concerns are valid. When the Committee talks about this agreement, we will have to have in front of us all the specific in order to avoid confusion. With respect to bycatch quotas, I expect NMFS will push for a strategy— that whatever bycatch occurs in other fisheries, that would be tallied up and come off the TAC for the next year, and we could wind up spiraling downward.*

Mr. Parker: Is this agreement tied to the Amendment 13 process?

Mr. Shawn Fortier, fisherman, Provincetown, MA: Back in April of 2000, the Council made a statement concerning enforceability of regulations. Has there been any consideration of whether these measures are enforceable? We cannot expect an increase in enforcement resources. **Mr. Nies:** *Volume I of the full amendment includes an evaluation of whether the measures are enforceable. This was prepared with the assistance of NMFS and the Coast Guard. Some measures may not be enforceable.*

Mr. William Henchy, counsel for the Provincetown Fishery Association and CCHFA: What process is being followed for the US/CA Resource Sharing Understanding? Is it a treaty? Who runs the meetings? Are they open to the public? **Mr. Nies:** *the discussions have been held between NFMS and Canada's Department of Fisheries and Oceans. NMFS asked the Council to suggest industry participants, all of who have been Council members. I do not believe NMFS has publicly announced the meetings, but I am not sure if they are open to the public or not. It is not a treaty. The NERO Office of Sustainable Fisheries was involved, but I believe it is being run as a special project under the Regional Administrator.*

After a short break, public comment was received. In addition to oral statements, a written statement was provided for the record from Mr. Luis Ribas (attached). In addition, six commenters provided copies of prepared statements that they read into the record.

Mr. Tom Luce, longliner, Chatham, MA: I want to address the worst case scenario under Alternative 2. Hook gear restrictions are down to 1,000 hooks per day. Once the cod TAC is

reached, no one can fish for cod. I should get back my 3,600 hooks to fish for haddock or some other species. Other gear types have that ability.

Mr. Robert O'Leary, Massachusetts State Senator for the Cape and Islands: I am struck by how complex this whole business is. It is difficult to understand all that is going on – I don't envy you your task of trying to protect both industry and the species. Having said that, it is important to look at the communities that are dependent on this industry. It is not just about fish species, it is about a way of life in communities across New England. One of the proposals put forward, a subset of the four main alternatives, is the principal of sector allocation. This proposal has been advocated by fishermen on the Cape. I speak in favor of that option. It seeks to give fishermen in the community a stake in managing the resource in a way that gives them flexibility yet requires them to be accountable. In all of the complexity in this plan, flexibility will be lost. Sector allocation should be approved, at least on an experimental basis. If you set up a system that allows a community to help manage the stock, you will accomplish a great deal.

Dr. Pierce: It would be helpful if those interested in sector allocation got more insight into the specific proposals. Will those individuals who want to pursue that strategy have to do more than what is in the amendment? Staff: yes. They will have to develop a plan that identifies the participants, describes how they will monitor the fishery to remain within the allocation, and may have to prepare an environmental assessment.

Dr. Sheryl Andrews, Acting Chair, Provincetown Board of Selectmen: I am here with two other Provincetown selectmen. Provincetown has spent the last ten years working to revitalize our waterfront. From the outset of the reconstruction of our pier, we have been committed to maintaining a vital commercial fishing fleet. We now have a state of the art pier, and independent agency to run it, and a newly energized fishing organization to use it. We are here because the Council is considering alternatives that may devastate our small fleet. Give special attention to the concerns raised by our fishermen. Every year we have fewer and fewer fishermen left in Provincetown. They are becoming their own endangered species. Don't let that happen.

Mr. Keith Burkman, Town Manager, Provincetown: At some point we will say "ditto" to whatever the Provincetown Fishermen's Association says, whether at this meeting or later. The needs of Provincetown are unique. I was touched by Senator O'Leary's comment – the fabric of the community is what this is all about. We have a seasonal, tourism based economy. For year round employment, there are two choices – government or commercial fishing. There seems to be no process here that will ensure our fishing fleet can continue to earn a living. The solution that may help Provincetown may not help another port. We would hate to see our community with its year round economy hanging by a thread go to the wayside because of a solution – a cookie cutter approach – leads to a solution that helps another port but doesn't help our small fishing fleet. We urge you to listen carefully to what our Provincetown fishermen say. If there is any way a unique solution can be crafted for our port, that is vital. We ask for your support.

Mr. Bill Boucheau (spelling uncertain), commercial fisherman, Provincetown, MA: The area around Provincetown is part of the Gulf of Maine regulated Mesh Area. Provincetown small boats have long harvested fish in this area – at one time, the dayboat fleet numbered 80 boats. Due to overfishing many management tools have been used. The Western Gulf of Maine closed area is one, with its southern end only ten miles off Provincetown. That area has been off limits to us for ten years. With days-at-sea (DAS) – at one time we could fish 365 days, now we are reduced down to some individual DAS number for each boat, based on past use. Our cod limit per DAS has low as 30 pounds at the same time that anyone south of the Gulf of Maine could land 2,000 pounds per DAS. While six months of rolling closures may represent only 50 percent

of the fishing time, it represents the period when 80 percent of our landings were caught. And an unexpected outcome of rolling closures is the surge of fish harvested in great numbers by offshore boats with massive gear and horsepower fishing twenty-four hours a day when the closure opens – dumping all that fish on the market and depressing prices, fish that could support the dayboat fleet for a long time. The DAS baseline ordered by Judge Kessler is unfair. The inshore fleet has made the greatest sacrifice for these stocks. Someone fishing elsewhere is now rewarded with more DAS than fellow fishermen. Surely as stocks rebound they will enter the inshore area and use their DAS. Before any more cuts come to impact coastal communities, the playing field has to be level for all. If the goal is to reduce DAS to 28,400 DAS, divide that number by all the permit holders, and have a way for fishermen who desire more DAS to transfer DAS. I'm in favor of improving stewardship as in Alternative 3 or as supported by the CCHFA. Perhaps in blocks 124 and 125, there could be no night fishing, trip limits on yellowtail flounder, gear used to reduce bycatch such as cod. These approaches would manage the impacts on coastal communities. The recovery of stocks looks promising. We now have an \$18 million fish pier. I see a bright future – except NMFS has seen fit to increase target levels to levels never seen before. These would manage without impacts coastal communities. Recovery of stocks looks promising. If these targets must be raised, let's do it in steps.

Mr. Steve Scannel, scallop fisherman, Nantucket: I am also a student at Cape Cod Community College. I look at a document like this, the talk of TACs, and think that is what an accountant would do. All the stocks that we fish on are well down and under historic levels. Habitat is still in state of destruction. Whatever TAC we have now, just cut it in half. In the late 1970s and early 1980's we just put a huge band-aid on the problem. We grandfathered in the people in the fisheries and the gear they used. What I propose to NMFS and the Council and Congress: take all the old deals and put them in the wastebasket. We need to replace the regulations with a market based quota system, as opposed to our current monopoly rights based system. Those fishermen with licenses have a monopoly club with ownership in the aggregate. To be a high school kid and told you can't get a license to be an independent fisherman – that type of thinking belongs in the trash barrel. We are wrecking habitat when we don't have to. We have gear that is ridiculously destructive. There is no call to do that in 2003. I know you have done a lot of hard work, but it is based on huge band-aids that were put on in the later '70s and '80s. You have a document called the market based quota system - this system is designed for public resources. It is fair. It doesn't leave anyone out. It is based on equal opportunity. Our current program is very inefficient in that we do not internalize all the destruction taking place with bad gear. We need a system that charges people to wreck the bottom or discard fish. If we are going to put limits on fishermen, they should be dollar limits, not these systems that are poundage limits that give high grading and discarding the edge. That is a wasteful way to fish.

Mr. William Henchy, counsel for the Provincetown Fishermen's Association and the CCHFA, Orleans, MA: I will limit these comment to represent PROFISH. You have already heard a little from the Provincetown fleet. That fleet is limited in terms of mobility and the weather that it can fish. It is primarily a small, dayboat dragger fleet. There used to be some tub trawls, but they were eliminated with the GOM cod trip limit. Provincetown has been very heavily impacts by rolling closures that have made the commercial viability of the fleet a problem. Rolling closures do their job, but due to the geographic location, they keep Provincetown boats off fish when they are available to the fleet. Our recent pier reconstruction is a good thing – the fleet now has a first class facility to build its future. PROFISH has been energized the last several years. If not for the measures under consideration, the future looks quite bright for the Provincetown fleet. Commercial fishing provides 87 percent of the year round jobs in Provincetown, the largest year round employer. With certain exceptions, fish stocks are recovering in the Gulf of Maine and recovering at a reasonable clip. The Northeast Fisheries Science Center has adjusted the

rebuilding targets for important species in GOM. Coupled with time limits in the SFA, this puts the Council in the position of attempting to create a plan amendment to meet MSA requirements. The situation has become nonsensical. In order to achieve rebuilding levels, fishermen have to take cuts in the short term to achieve gains in the long term. As a matter of public policy, it doesn't make much sense to commercial fishermen. I have some specific comments to make. Area management and sector allocation and special access programs are good and should be encouraged. It has become clear that the one size fits all approach in Alternatives 1, 2, and 4 don't go far enough in recognizing legitimate needs or limitations of gear types within the fleet. PROFISH supports the GB cod and hook gillnet sector allocation. We suggest the approval process should be tightened to impose some requirements on the regional Administrator. By way of example, the process to get the raised footrope trawl approved was onerous and unnecessarily long. We will submit comments on proposals for other sectors to be included. PROFISH supports either the phased or adaptive rebuilding strategy, with our preference the adaptive strategy. PROFISH supports the Council's proposed policy on cooperative research and its impact on DAS baseline calculations. I represent a fisherman who lost DAS under the settlement agreement because he participated in research. PROFISH opposed the rolling closures in Alternative 1, the DAS reduction in Alternative 1, the hard TAC options in Alternative 4, the hard TAC backstop option in Alternative 2. Hard TACs will result in a race to fish, which works against the inshore fleet. They will also exacerbate bycatch mortality in violation of the law and the court order. Particularly relevant, we think hard TAC will create safety at sea issues as vessels choose to fish in adverse weather to compete for the TAC. We request further analysis of a couple of things: there is no analysis of the Council's option under National Standard 1 to permit mixed stock overfishing, which may be important for Cape Cod/Gulf of Maine yellowtail flounder in particular. In addition, we ask the Council to analyze the status quo with additional measures necessary to rebuild most stocks by 2014. Additional analysis might provide the Council with additional tools to bring to bear. We will submit detailed written comments at a later date. (A summary of these comments is attached).

Mr. Mark Leach, fisherman, F/V Sea Holly, Harwichport, MA: Basically this next group of regulations is consolidating DSA by tremendous amounts, using trip limits, etc. the staff pointed out that under rebuilding scenarios we will need about ten years before we see net benefits. For Amendment 7, hearings were held in a large room and it was loaded – look at the size of this room. Has the cost of management been cut? I don't mean that in a negative fashion. We are going to have a large economic hit here. I have been promoting a permit buyback or DAS buyback of some sort. Certainly in these times when we are sending \$87 billion to Iraq it will be tough to convince Congress to subsidize fishing. Maybe some of the money used for management should be used for a buyback.

Shawn Fortier, commercial fisherman, Provincetown, MA: I am a director of PROFISH, but I am speaking for myself. When I was following the CLF vs. Evans lawsuit, I noted the following affidavit from Paul Diodati. In his statement to Judge Kessler, he said that currently discards are responsible for half of all fishing mortality on GOM cod. One of the primary reasons we cannot reach mortality targets must be because of these discards. We are shoveling sand against the tide. When we have all these options put forward, there has again been no effort to make those responsible for discards suffer the consequences of discards. In present management time, a jig fisherman - a guy who fishes commercially, full bore fishing with jig - is not even recognized. I asked about enforceability - unfortunately these issues are not identified. To use the words of Council, it makes little sense to put forward measures that cannot be enforced. As I travel around the Cape, I see broken nets set on every broken piece of bottom. I'm speaking now for the last seven years 7 years. I get upset when I see gillnet regulations that can't be enforced because none of the enforcement units have a net hauler. You don't even know how many illegal gillnets are in

the water. They are in the closed areas with no surface markers, they are in other places with no radar reflectors. State licensed boats are putting nets in federal waters. All of this creates mortality, and I can't even get to the bottom. It affects me I am being penalized by a gear that causes much harm – there is a great deal of bycatch by both gillnets and trawls. There are those who avoid bycatch with short tows or by staying off the bottom. I've seen guys throw a whole net full of bycatch over and not move one inch before they reset. Management now concentrates on landings and not mortality. The fish are dead, that is what counts. When I try to comment on these things – what seems to make a lot more sense is status quo with a directed effort at the high level of discards. That will get you there on the codfish in and of itself. Go up to the bank on Stellwagen on the December 1 opening. There is a problem with current management – literally a gang rape of the bottom. Those large boats get their multiples of their 400 pound limit on the first tow, but they keep towing on for other species. There is no mechanism to get the ones who are causing waste to be responsible for it. If they got off the water when they exceeded the limit, they wouldn't keep doing it. When I keep looking at these measures – I see more restrictive gillnet measures – but I know for a fact they don't have a way to tell if it is gillnet or lobster gear. The gear just sits there, and after a while they don't even come out any more. As long as we continue down this path, all I see is a lot of pain and the good guys don't gain anything here. If you try to identify the jig fishermen – the one thing I can do with my hooks – it is like stopgap. If you are going to a hard TAC - RI has tried to do this – people should be allowed some access to the fish. If the guys are doing it by accident, how many times are we going to allow this to happen? All of those fish going over are going to hurt me. I am astounded that there are elements that cannot be enforced and they have not been identified. I hope something good comes out of this but I don't see it.

Mr. Ron Smolowitz, Coonamesset Farm, Fisheries Survival Fund. My comments are more on the surrounding issues, not on the direct options. Sometimes the details are very important. On page 22 of the public hearing document, there is talk of a ten inch twine top in five of the thirty minute squares for scallop dredges, but in Amendment 10 it looks like we are going to ten inch twine top throughout the range. We should try not to use the groundfish plan to manage other fisheries. Just think of the consequences if the scallop plan set a sweep length requirement on groundfish gear. It is very important for the Council to set policy that bycatch and habitat issues of fishery will be addressed in that management plan. PHD page 40 – my concern is that doc says to all gear capable of catching species. This is an issue between sectors. We should also be cautious about hard TACs for that reason. On page 47 there is a discussion of bycatch in the exempted fisheries. I would put forward that scallop gear catches less than five per cent bycatch – I would think that the Council should consider scallop dredge gear should be exempted in the multispecies plan and that way bycatch and habitat could be addressed in the scallop plan. This would be a benefit to the groundfish fishery in the long term. On page 49, the rationale for closed areas and access to closed areas relates to the whole exempted fishery issue. Vessel Monitoring Systems should be considered for all vessels, it would benefit all fishermen; we would not have to close large areas of the ocean for particular reasons. My biggest concerns about are the habitat closures. I chair the habitat Advisory Panel. We started a process to come up with areas, to consider them habitat control areas or management areas. All areas need to be managed for habitat. The biggest flaw in Amendment 10 and Amendment 13 is really they just point out how insufficient the data we have are; new data is pouring in that gives a better picture of the seafloor – not just substrate, but epifauna. These documents divide the ocean into areas, but consider nothing about depth, temperature, epifauna, etc. In analysis we look at species, leading to conclusions like that scallop fishing adversely impacts redfish. One of the things that bothers me is the technical advice we received. In this document, it gives no credit for rolling closures, possession limits, or hard TACs, even though the NRC said reducing fishing effort or frequency has significant benefits. n tech advice we received. I suggest to the Council that the habitat issue should be addressed in the

6

October 14, 2003

RE: Lawlessness and Consequences.

Dear NEFMC Council Members:

My Name is Jean Frottier, I am 60 years old, and I have been a commercial fisherman for 32 years (full time for the past 13 years), and I am the sole source of support for my wife and nine year old child. My boat is the 36 foot F/V ANNALISE, and I fish: (1) for lobsters by diving (I have logged over 10,000 hours underwater) and pots, (2) by rod and reel for tuna, and (3) by jig for cod with electrically driven reels. From day one, I have made a deliberate effort to fish in ways that do not cause bycatch and/or damage the bottom. My fishing methodology is as far removed from "industrial fishing" as one can get, but on anything approaching a level playing field it is a system that works. Most importantly, it is a system that is completely sustainable.

That said, I wish to inform the members of the NEFMC that I, and others who fish responsibly, have long been disadvantaged and abused by unfair/unlawful measures enacted by this council. Recognizing the constraints of space, for the purposes of this commentary, I will concentrate on the problems the NEFMC has caused by improperly/unlawfully favoring the gillnet sector with: (1) rules which cannot be enforced, and (2) preferential access to prime fishing bottom.

RULES WHICH CANNOT BE ENFORCED

Nothing so clearly exposes the dishonesty of the management process as the unenforceable gillnet rules - which time and again are incorporated into measures adopted by the NEFMC. Tragically, these NEFMC actions are today shown to be deliberate and purposeful. For example, by letter dated April 7, 2000, on NEFMC letterhead, to all Groundfish permit holders, the NEFMC explicitly set forth the following:

"... The management measures we choose for Amendment 13 must comply with the ten National standards for fisheries management contained in the Magnuson-Stevens Act (Act). Some of the criteria the Council will use in evaluating management measures include the following:

- *Are the measures enforceable?* It makes little sense to adopt regulations that cannot be enforced. ...".

Looking at each of the four proposed alternatives for Amendment 13 put forth for public comment by the NEFMC - we see that they all, again, contain gillnet regulations which the NEFMC knows full well cannot be enforced. At the Amendment 13 meeting in Hyannis, Mass., I specifically asked the Council representatives about what NOAA law enforcement and/or the U.S. Coast Guard had said about enforcement of the any of the provisions put forth by the NEFMC for public comment. The response was, at first, an uncomfortable silence, and then an admission from Tom Nies that the U.S. Coast Guard had stated that some of the proposed measures were said to be unenforceable. Mr. Nies did not elaborate or identify which measures were considered by the Coast Guard to be unenforceable and/or when the Council was informed of such fact. By reason of the fact that the NEFMC itself states that "*It makes little sense to adopt regulations that cannot be enforced.*", the NEFMC is today shown abusing the SFA process by secreting vital information from the public when their proposed measures are put up for "public commentary". My question here to each Council member is: "Why are you doing this?"

FAIRNESS -

" * *Are the measures fair and equitable?* We recognize that 'fairness' is often in the eyes of the beholder. Nevertheless, the management measures in Amendment 13 must be fair and equitable to fisherman in all states, in different permit categories, using different types of gear, etc."

All members of the NEFMC are certainly aware that any piece of bottom upon which a gillnet sits is a piece of bottom denied to all other fishermen for the duration of the time that the net is left on that piece of bottom. By favoring the gillnet sector with: (1) laws that the NEFMC knows cannot be enforced, and (2) by the NEFMC permitting gillnets to remain set on a chosen piece of bottom for as long as the gillnetter wishes, the NEFMC is unlawfully favoring the gillnet sector. The measures the NEFMC currently has in place, and each of the four proposed Amendment 13 management schemes, improperly favor the gillnet sector with measures that are tantamount to granting the gillnet sector the best fishing bottom for as long as the gillnetter wants. This is certainly not a question of fairness that is "in the eyes of the beholder" - because no one else can possibly fish that particular piece of bottom until the net is removed - period!

All of the foregoing is bad enough in-of-itself, but when one adds in the problems of the illegal nets, and bycatch waste caused by soaking nets, the sordid perversion of the Magnuson-Stevens/Sustainable Fisheries Act by the NEFMC cannot be denied. Clearly, by reason of the fact that there is no set protocol for hauling and inspecting a set gillnet, it is amply clear the NEFMC never had any intention of enforcing their gillnet regulations. As a direct consequence of adopting gillnet regulations which cannot be enforced, the prime fishing bottom is literally carpeted with illegal gillnets of all manner. As a direct consequence of granting gillnetters preferred access to the prime bottom, long term soaking of gillnets has become standard gillnet fishing practice. The gillnets, both legal and illegal, remain on the prime bottom 24/7. In turn, the foregoing causes extreme levels of wasteful bycatch, and also damage to EFH - as the gillnet's lead line sweeps back and forth over the bottom with the change of tide. The waste and damage gets worse still when some dragger or scalloper decides to take matters into his own hands - and clears out some of these parked gillnets - and then dumps the junk in a heap - a ghosting, killing, and entangling heap.

Tragically, all this could be made to end almost overnight by simply requiring gillnetters to fish their nets within sight of their boats, and requiring gillnet boats to return from each fishing trip with their nets. In other words, by simply treating the gillnet sector like every other gear sector! Furthermore, until such time as the gillnets are made to return with their boat, all DAS regulations placed upon the other gear sectors will remain manifestly unfair. A set gillnet keeps fishing/killing/wasting as the owners boat sits tied at the dock, and that cannot be said about any boat in any other groundfish sector! Consequently, the NEFMC cannot put a legitimate face on any of their present or proposed gillnet regulation measures.

The many years of NEFMC fisheries mismanagement, so well exemplified by NEFMC "regulations" adopted for the gillnet sector, has turned deadly serious today in the form of Amendment 13. The NEFMC has already framed the issue into a choice of one of four "alternatives", but by the inclusion therein of gillnet regulations that the NEFMC knows are unenforceable, the sordid and underhanded nature of NEFMC "management" becomes an issue which trumps all others. At the Hyannis meeting on Amendment 13, I tried to make the point that the consequences of bycatch waste and habitat destruction should be made to fall primarily upon those who are the cause of the problem. Unfortunately, the actions of the NEFMC make it clear the NEFMC has yet to see it that way. Given the hand that the NEFMC

has dealt us with their four alternatives, the only thing that could possibly conform to SFA law, the NEFMC guidelines articulated by the April 7, 2000 letter, and the apparent wishes of most of all others who have come forth to comment, is to adopt some form of the status quo - with certain critical provisos as follows:

- (1) Change the system that allows gillnetters to set illegal nets and encourages the long-term soaking of gillnets.
- (2) Recognize the difference between a dragger pulling a 50-60 foot sweep with a 300-400 horsepower engine from a dragger pulling a 200-250 foot sweep with a 500-1500 horsepower engine. All draggers do not waste/damage/discard the same!
- (3) Reward all responsible fishing practices which cause little bycatch and/or EFH damage, and adopt regulations which discourage and punish wasteful and destructive fishing practices.

The "SECOND AFFIDAVIT OF PAUL J. DIODATI", filed in the CLF v. Evans case, shows us why this would work. In his filed affidavit, the Director of the Massachusetts Division of Marine fisheries raises many valid points, backed-up by Massachusetts sea sampling data, including the following:

- (1) "20. ... SAW 33 determined that GOM cod discards in 1999 were 2,500 metric tons (mt) more than commercial landings (emphasis added). ... Furthermore, without first addressing the bycatch and discard problem other management measures adopted to achieve SFA targets will be frustrated."
- (2) "22. The Commonwealth proposes a much more effective, timely, resourceful and restrictive short-term remedy to reduce bycatch and discards. Its proposed remedy is based on the most recent conclusion of the Council's Scientific and Statistical Committee (SSC) that in 1999 and 2000 50% of GOM cod fishing mortality was due to discards. Thus, this Court must assure that any short-term remedy focus on measures that will dramatically reduce mortality caused by discarding. Such a remedy must include an irrefutable and substantial by-catch and discard mortality-reducing measure(s)."
- (2) "23. Dragging and gillnetting can cause large amounts of discards, especially when trip limits, such as the current 400 pounds, are low and cod abundance from a recovering stock is high. The Commonwealth would propose a shift in how GOM groundfish fisheries are prosecuted in the "inshore" portion of the GOM."

Reasonably, the NEFMC should devise measures that will get the needed mortality reductions from what is today being wasted - rather than from the livelihood of those who are not causing the waste. Additionally, that 50% GOM waste estimate mentioned by Mr. Diodati is certainly low because: (a) no one has any idea whatsoever about how many illegal gillnets are out there, (b) it is impossible to calculate how many fish a long soaking gillnet has killed before it is even hauled, and (c) no one can accurately determine the extent to which draggers and gillnetters are lying about their discards on their VTRs. In reality, it is very likely that year after year the discards of GOM cod equal or exceed the landed catch. The NEFMC council members must understand that people who fish responsibly, and cause little or no discards, see the issue of discards as a matter of "fairness" when their ability to make a living is constantly being sacrificed by the NEFMC to essentially "keep the pigs feeding at the trough".

Finally, on a personal level, for a period that now extends to seven (7) years, my ability to jig for cod on the backshore of Cape Cod, (the "broken bottom" in the vicinity of the 42N and 70W intersection), has been greatly impaired, even prevented, by parked gillnets. Most of the gillnets set in this area are illegal nets with no identifying markings on the buoys, and no tetrahedral

reflectors. Here, we have a group of Massachusetts State licensed boats illegally setting nets in Federal waters on a regular basis, and other gillnetters who come from afar to set nets in excess of their legal allotment, and/or to set nets above the 42N line. Because these are illegal nets, they are poorly tended, and are allowed to soak (read - kill/waste), for very long periods - and they all sit on the prime cod bottom. At various times over these past seven years, elements of the U.S. Coast Guard, NOAA law enforcement, and the Massachusetts Environmental Police, have tried to put a stop to this flagrant lawlessness - to no avail. They are all unable to haul a gillnet, and none of these agencies has a protocol in place for hauling/handling a set gillnet - which can legally be up to one mile long. So it all falls back on the NEFMC for enacting gillnet "regulations" which they fully know are unenforceable. This situation must end, and Amendment 13 provides the NEFMC the opportunity to redress this long-standing wrong. The NEFMC must now abide by the mandate of the SFA and their own articulated guidelines, and that, in turn, will provide the fishing mortality reductions to which Amendment 13 is directed.

Sincerely yours,

Jean F. Frottier
249 Gross Hill Road
Wellfleet, MA 20667
E-mail woofy1@comcast.net

December 8, 2003

Commercial Fisheries News
PO Box 37
Stonington, ME 04681

To the Editor;

A 10/28/03 article in the Boston Globe quoted "a high-ranking National Marine Fisheries Service employee who asked not to be identified": "In New England fishing, it's all about end runs for the special interests. If you don't get what you want locally, you go up a notch. You go to the national head of the service, ...".

Bingo! Now, Amendment 13, and the lead in CFN's December issue: "New England council adopts Northeast Seafood Coalition plan". At the public hearings on Amendment 13, many came with that excellent CFN breakdown of the four "preferred alternatives". After the fact, CFN publishes the full-page ad: "We at the Northeast Seafood Coalition want to share our review of Alternative 5. Filed papers for the Northeast Seafood Coalition, Inc. show this entity for what it is - a politically well-connected group of draggersmen and gillnetters." CFN also published a letter speaking to how Dr. Hogarth became involved. But, Alternative 5 serves the interests of this one group by misusing the SFA process to prevent timely challenge by others.

Commenting after the fact, I can only point out that the problem of massive dead discards of regulated species caused by draggersmen and gillnetters is, of course, (again) completely ignored. Where the level of dead cod discards in the GOM is shown equal to, or exceeding, the landed catch, we see the Council and the head of NMFS again willing to countenance the appalling waste that has frustrated all prior initiatives. We see (again) the inclusion of gillnet regulations that all know are impossible to enforce - by reason of the fact that enforcement has no means to haul/handle a gillnet, or its catch. We see continued use of different regulations on either side of the 42N line with no ability to enforce violations.

Why do I care? I am now 60 years old, and I have been a commercial fisherman for a long time. In the winter I jig for cod on a limited access hook license. Jigging is as clean as it gets, but NMFS does not even recognize it as a distinct category. Instead, the Council and NMFS allow gillnetters to soak their nets (about as dirty as it gets) on whatever piece of bottom they chose for as long as they wish. That, in combination with gillnet regulations which cannot be enforced, leaves the prime bottom carpeted with unmarked (illegal) nets, and no good place for people like me to fish. Alternative 5 insures that this abuse will continue.

Jean Frottier
Wellfleet, MA

8

February 26, 2004

Sent by FAX
(978) 281-9135
Sent using 281-9207

Patricia A. Kurkul, Regional Administrator,
National Marine Fisheries Service
One Blackburn Drive
Gloucester, MA 01930

RE: Comments on the Proposed Rule for Groundfish Amendment 13.

Dear NOAA Regional Administrator,

Any comment on Amendment 13 must be considered in light of what a "high-ranking National Marine Fisheries Service employee" is represented to have said to a Boston Globe reporter prior to the adoption of the "Alternative 5" that now constitutes the current NEFMC proposal up for review:

"In New England fishing, it's all about end runs" for the special interests, says a high-ranking National Marine Fisheries Service employee who asked not to be identified. "If you don't get what you want locally, you go up a notch. You go to the [national head] of the service, then you go to the head of the Department of Commerce, then you go political and threaten the budget allocations. It's endemic."

It is hard to imagine a more perfect example to the truth of the foregoing quotation than the Amendment 13 proposal put forth by the NEFMC. At the public hearings on Amendment 13, "Alternative 5" was never set forth for public discussion or comment, yet it now sits before NMFS for final review. Having attended the public hearing held in Hyannis, Massachusetts, I can say first hand that the attendees were asked by Mr. Tom Nies to limit their comments to the four alternatives that had been set forth in a "measures matrix" provided by the NEFMC for discussion purposes. Attendees were also discouraged from cross-mixing parts of the four alternatives in their comments. We were left with the clear impression that it was to be a choice of one of the four. Obviously, the Northeast Seafood Coalition was given a key to the backdoor and allowed to cobble together the self-serving insult to due process and honest dealings that the NEFMC has placed before NMFS for "review". The record will clearly show that this NMFS review is the only opportunity given to the public to offer any challenge to the Northeast Seafood Coalition's "Alternative 5" that now sits before NMFS as the NEFMC proposed rule.

Enforcement:

The most striking deficiency of this proposal put forth by a group of draggers and gillnetters relates to enforcement. As a commercial jig fisherman who has suffered greatly as a consequence of years of unlawful conduct by certain draggers and especially gillnetters, I am one of those who is demanding an end to regulations which are known to be unenforceable prior to passage. In a certain NEFMC letter dated April 7, 2000 letter addressed to "Groundfish Permit Holders" they state:

"Some of the criteria the Council will use when evaluating management measures include the following:

- "Are the measures enforceable? It makes little sense to adopt regulations that cannot be enforced."

Looking to the NEFMC "Public Hearing Summary" for the September 14, 2003 meeting in Hyannis, Massachusetts NMFS will find me asking the NEFMC representatives about enforcement of the measures set forth in their "measures matrix":

"Mr. Shawn Fortier (sic), fisherman, Provincetown, MA: Back in April of 2000, the Council made a statement concerning enforceability of regulations. Has there been any consideration of whether these measures are enforceable? We cannot expect an increase in enforcement resources. Mr. Nies: Volume I of the full amendment includes an evaluation of whether the measures are enforceable. This was prepared with the assistance of NMFS and the Coast Guard. Some measures may not be enforceable.

NMFS is asked to take express notice of the fact that Mr. Nies does not identify the suspect measures for the public, and he misrepresents what was actually said to the Council about some of the NEFMC proposals by using the phrase "may not be enforceable". In truth, it is a matter of record that, for many years, NOAA Law Enforcement and the U.S. Coast Guard has told the NEFMC Enforcement Committee that the regulations pertaining to the number of gillnets, the configuration of gillnets, and the size of gillnets have little possibility of enforcement.

The fishermen proponents of the underlying "Alternative 5" are draggers and gillnetters who fish at night (hook fishermen do not), and they ended their Amendment 13 proposal with the following: "There is no VMS requirement automatically implemented by this alternative". . . NOAA should remain mindful of the fact that at sea approximately 90% of fisheries violations occur at night – while approximately 90% of enforcement activity occurs during daylight hours. The proposal put forth for approval by the NEFMC continues to ignore the documented failures to enforce present fisheries regulations in any meaningful manner. The NEFMC's Amendment 13 proposal continues to ignore the longstanding concerns of Law Enforcement which have time and again been brought to the attention of the "Enforcement Committee" of the NEFMC. Now they add yet more questionable measures with no VMS. VMS represents the only possibility for any nighttime enforcement given the inherent dangers of nighttime boarding and the extreme demands on Coast Guard resources for Homeland Security. NMFS should not approve a complicated management scheme that has no reasonable possibility of being enforced.

Fairness:

The NEFMC's April 7, 2000 letter also had something to say about "fairness":

- "Are the measures fair and equitable? We recognize that "fairness" is often in the eyes of the beholder. Nevertheless, the management measures in Amendment 13 must be fair and equitable to all fishermen in all states, in different permit categories, using different gear types, etc."

With NMFS now as the "beholder", I ask, *What is the least bit fair about continuing to allow gillnetters to set all the illegal nets they want on any piece of bottom they want for as long as they want?* That is exactly what the NEFMC is doing by (again) adopting gillnet regulations they know full well are unenforceable. Gillnetter lawlessness has gotten to the point where we have Massachusetts State licensed gillnetters setting hundreds of nets as much as 2½ miles into Federal waters. This has been going on in our area for the past six years! The Coast Guard has witnessed the problem of illegal nets during their regular boarding operations off Cape Cod. We have also made complaints to the Coast Guard, NOAA Law Enforcement, and the Massachusetts Environmental Police. Nothing is being done about it because there is nothing that they can do about it! Law enforcement has told this to the NEFMC on many occasions.

On a personal level, the draggers and gillnetter lawlessness has resulted in a substantial loss of my income and has damaged the value of my permit. The same is probably true for most hook fishermen. NMFS is certainly aware that any piece of bottom upon which gillnets are set represents bottom denied to all other fishermen. Reasonably, if NMFS has no means to remove illegal/killing/wasting gillnets, then they should be banned until such time as NMFS does, or NMFS should insist that the NEFMC adopt regulations which at least controls the problem – such as requiring the nets to return with the boat.

Fairness issues also arise in other aspects of enforcement. How is it fair to allow those who fish day and night to be exposed to little more than 50% possible enforcement, while those (like hook fishermen) who fish only in daylight hours are 100% exposed to enforcement activity? Illegal fishing activity by draggers and gillnetters clearly has the potential to cause great harm to the resource. However, we see the greatest exposure to law enforcement falls upon the sectors known to cause the least harm. This underhanded dragger/gillnetter proposal seeks to protect the ongoing nighttime lawlessness!

Bycatch and fairness. What is fair about regulations that allow some draggers and gillnetters to discard huge amounts of regulated species at the expense of all those fishermen who do not fish dirty?

No Effective Bycatch Reduction:

This draggermen/gillnetter Alternative 5/Amendment 13 proposal contains no effective bycatch reduction measures. What I can relate to NMFS first hand is that while tuna fishing off the BB Buoy when there was a 2000 pound daily limit for codfish, I personally witnessed draggers discarding huge amounts of cod on a tow by tow basis – during daylight hours. How can raising the GOM limit to 800 pounds and dropping the GB limit to 1000 pounds possibly reduce the overall cod bycatch problem caused by draggers? How can yet more gillnet regulations which cannot be enforced possibly mitigate the huge bycatch problem caused by any gillnet that is allowed to soak more than one tide? NMFS certainly knows by this time that controlling bycatch is absolutely critical, and this “alternative 5” does nothing to help.

Using the year 2001– Possible Fraud – Increase in DAS:

Using the 2001 in this Amendment 13 proposal is problematical. One of the glaring problems stems from the way the State of Massachusetts distributed their portion of the \$10,000,000.00 received in 2002/2003 to compensate Federal multispecies permit holders for their lost days at sea. For whatever reason, Massachusetts decided to use the year 2001 in their calculations. That resulted in the largest payments often going to the fishermen who had little participation in the fishery prior to 2001. The State’s use of 2001 makes no sense, but now we see a proposal put forth by a group consisting of mostly of Massachusetts draggermen, gillnetters, and politicians which employs the year 2001 for DAS calculations. If this proposal goes through as presented, these “year 2001 fishermen” will get back the “lost” DAS for which they have already accepted compensation checks. Cute! Under the circumstances, NMFS should secure the fishing history of all the proponents of “Alternative 5” and the fishing history of the Council members who voted for this thing. Something is wrong here! Because the Northeast Seafood Coalition proposal was a back door deal there was no prior opportunity to offer any challenge to this scam.

Using the 2001 DAS data also increases the overall number of days, and swells the number with an unknown quantity of completely “paper days”. Fishermen who actually fished the DAS called in should not have to see their right to fish in any way diminished by those who did nothing more than call in and leave their boat sitting at the dock. Each day that is counted in the total must at least be a day that was actually fished. Furthermore, NMFS signed a consent decree in year 2000, and the entire situation remains far more equitable and far less problematical if Amendment 13 also stays within the same timeframe.

That October 28, 2003 *Boston Globe* article also says: “William Hogarth, the current director of the National Marine Fisheries Service, pledges that he won’t let political pressures affect his decision making”. However, fishermen like myself who are very much troubled by this Amendment 13 proposal and how it came about have good cause to question such a representation after having read Dr. Hogarth’s gushing endorsement of “Alternative 5” (printed in the December issue of *Commercial Fisheries News*). As NMFS can see from the points that I have raised, and the from the manifest deficiencies which I do not have enough space to set forth, neither the process nor the proposal is worthy of Dr. Hogarth’s premature enthusiasm. At the barest minimum, NMFS must reject any element of this proposal that NMFS knows cannot be enforced, and strip the proposal of the fraud involving taxpayer dollars for “lost” DAS.

Finally, if NMFS is at all serious about substantial reductions in DAS, bycatch waste, and habitat destruction – it is as simple as putting an end to fishing at night, and requiring gillnetters to bring their nets home with their boat. Such measures are certainly fair to all fishermen – and Homeland Security would have a much easier job. NMFS should also be mindful of the fact that the cod are already gone. GONE! Each year after 2001 the fishing has been getting worse – in an area extending from the Stellwagen Bank to the BA Buoy. There is already a serious problem with the cod stocks, and this Amendment 13 proposal seeks to prevent anyone from doing anything about it for another two years. Is NMFS going for that too?

Jean F. Frottier
249 Gross Hill Road
Wellfleet, MA 02667
E-mail: woofy1@comcast.net

EXHIBIT II.

Part I.

Relative Distribution and Abundance of Cod in the Northwestern Atlantic 1979-2005 Derived from the NEFSC Spring Bottom Trawl Surveys

This animation loop shows relative cod stock weight and location 1979 - 2005. Each frame represents 3 years of survey data for cod and frames advance every 3 seconds after the file has completed downloading. (yellow circles indicate cod are present, larger circles indicate more cod, plus sign (+) indicates sampled area where no cod were found)

The information displayed here represents 27 years of data, part of a larger 40 year timeseries collected consistently since 1963.

The Northeast's resource survey constitutes the world's longest and most comprehensive standardized measure of distribution and abundance trends in commercially harvested finfish.

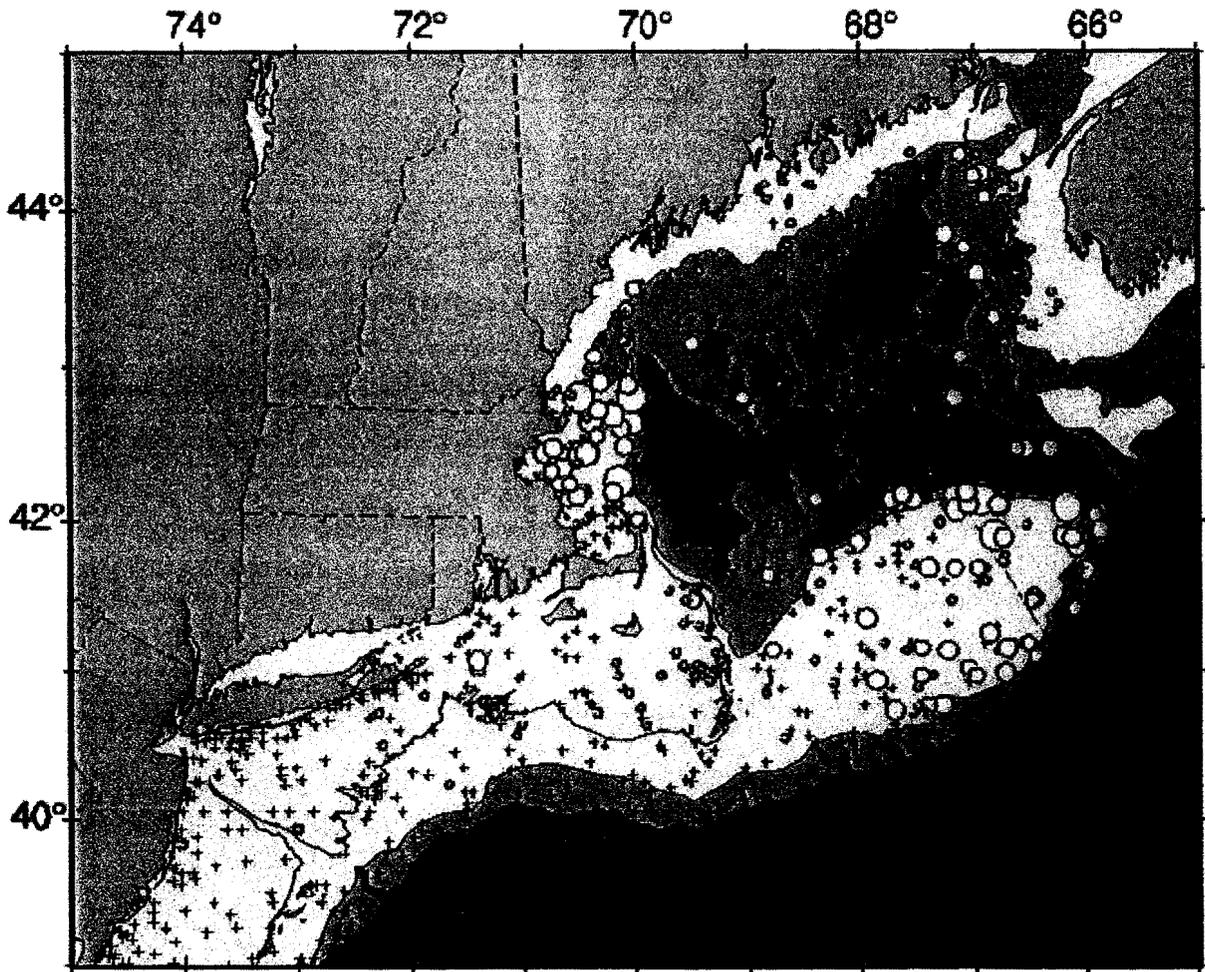
It is not a measure of actual abundance.

It is not a stock assessment.

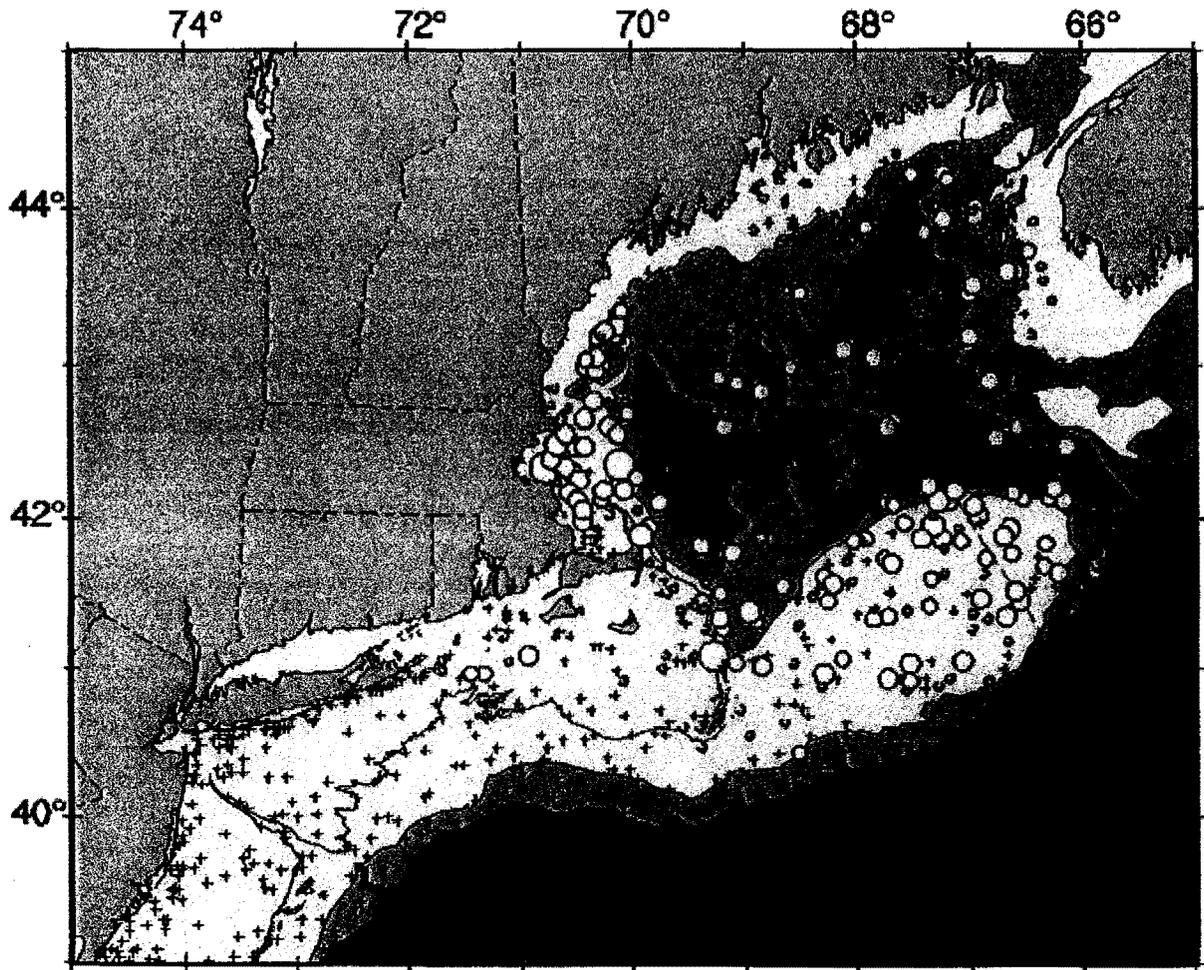
These pictures are animated on this page, but each frame of the animation may also be viewed and downloaded:

- [79to81.gif](#)
- [82-84.gif](#)
- [85-87.gif](#)
- [88-90.gif](#)
- [91-93.gif](#)
- [94-96.gif](#)
- [97-99.gif](#)
- [00-02.gif](#)
- [03-05.gif](#)

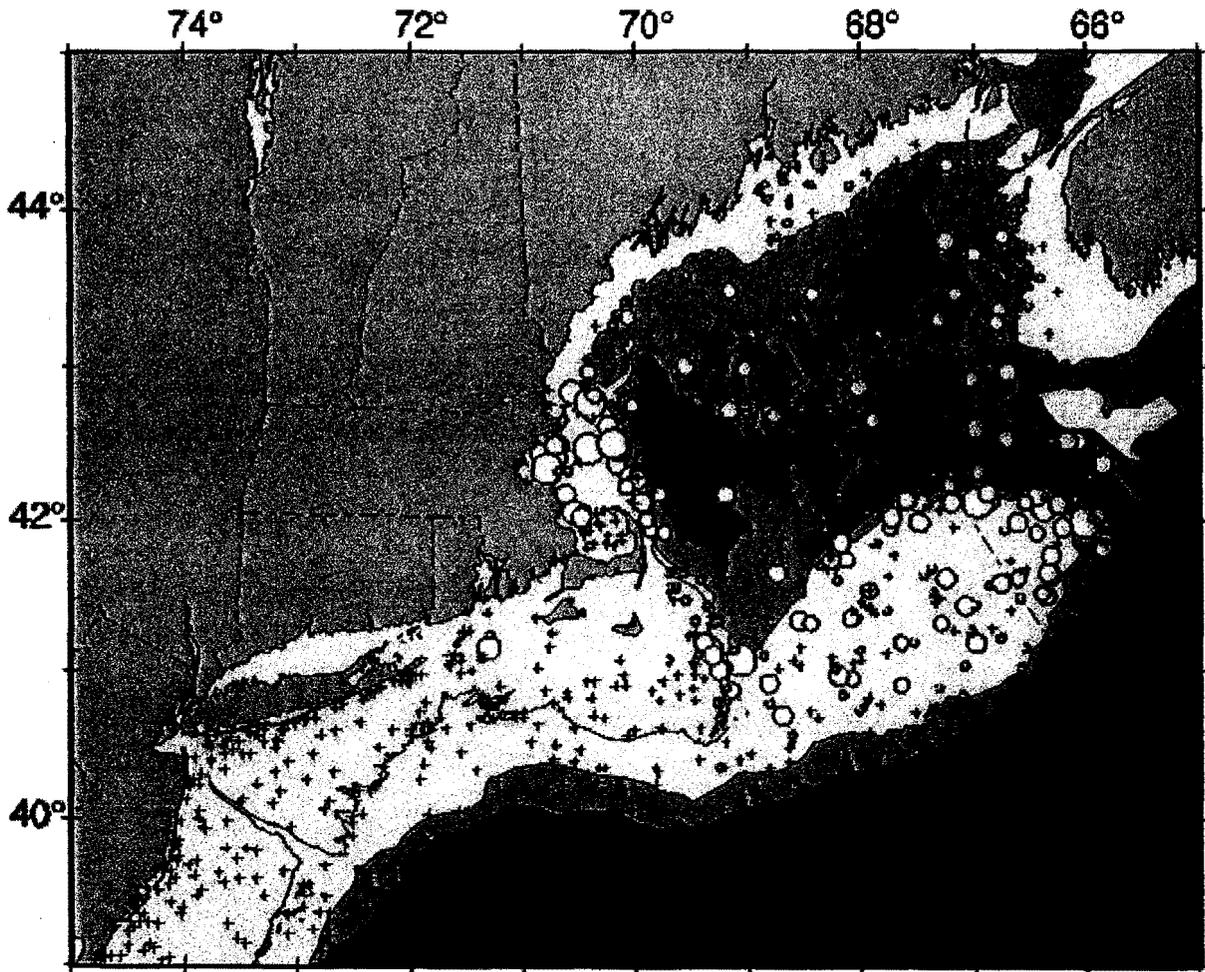
[For general information on cod stocks: Click Here](#)



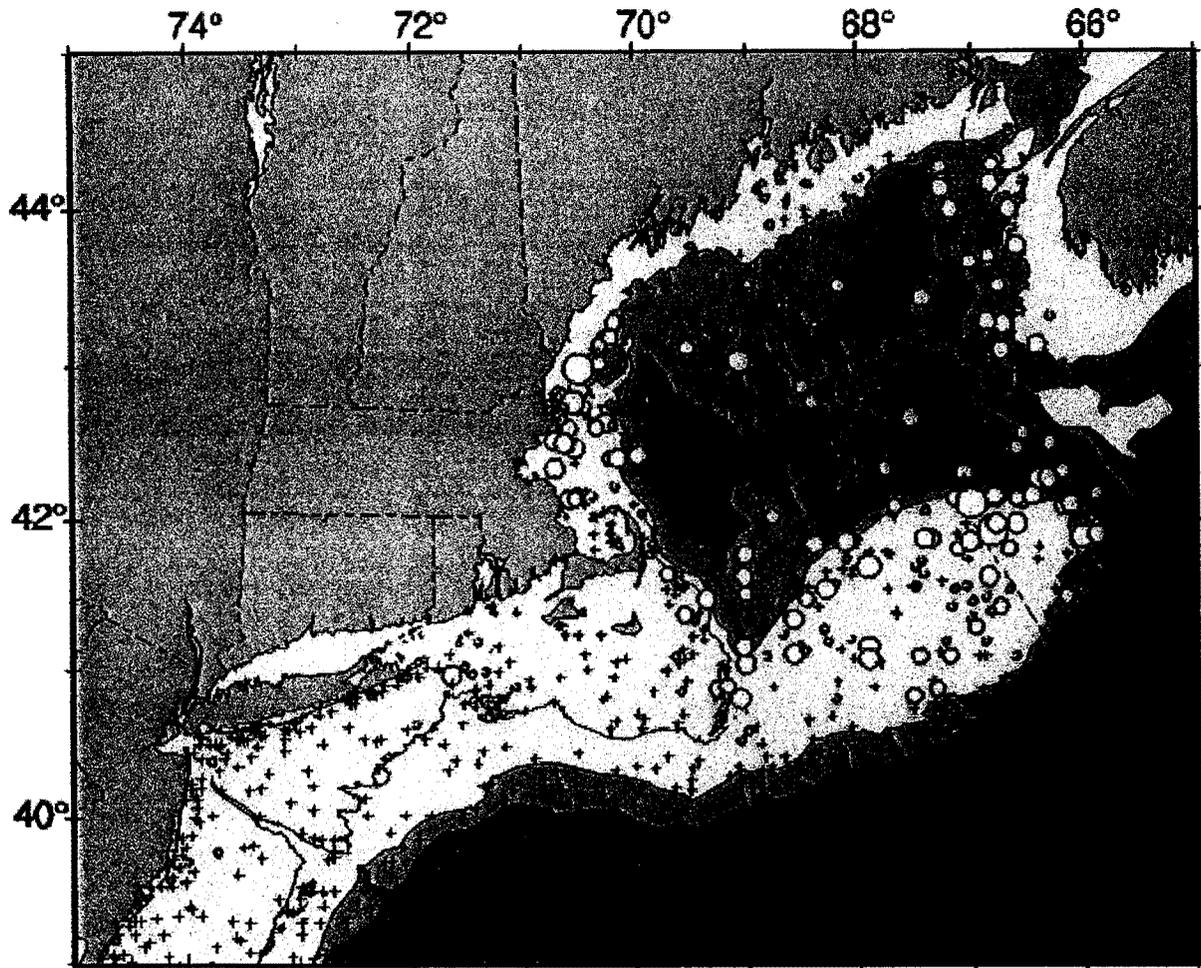
Spring 2003-2005



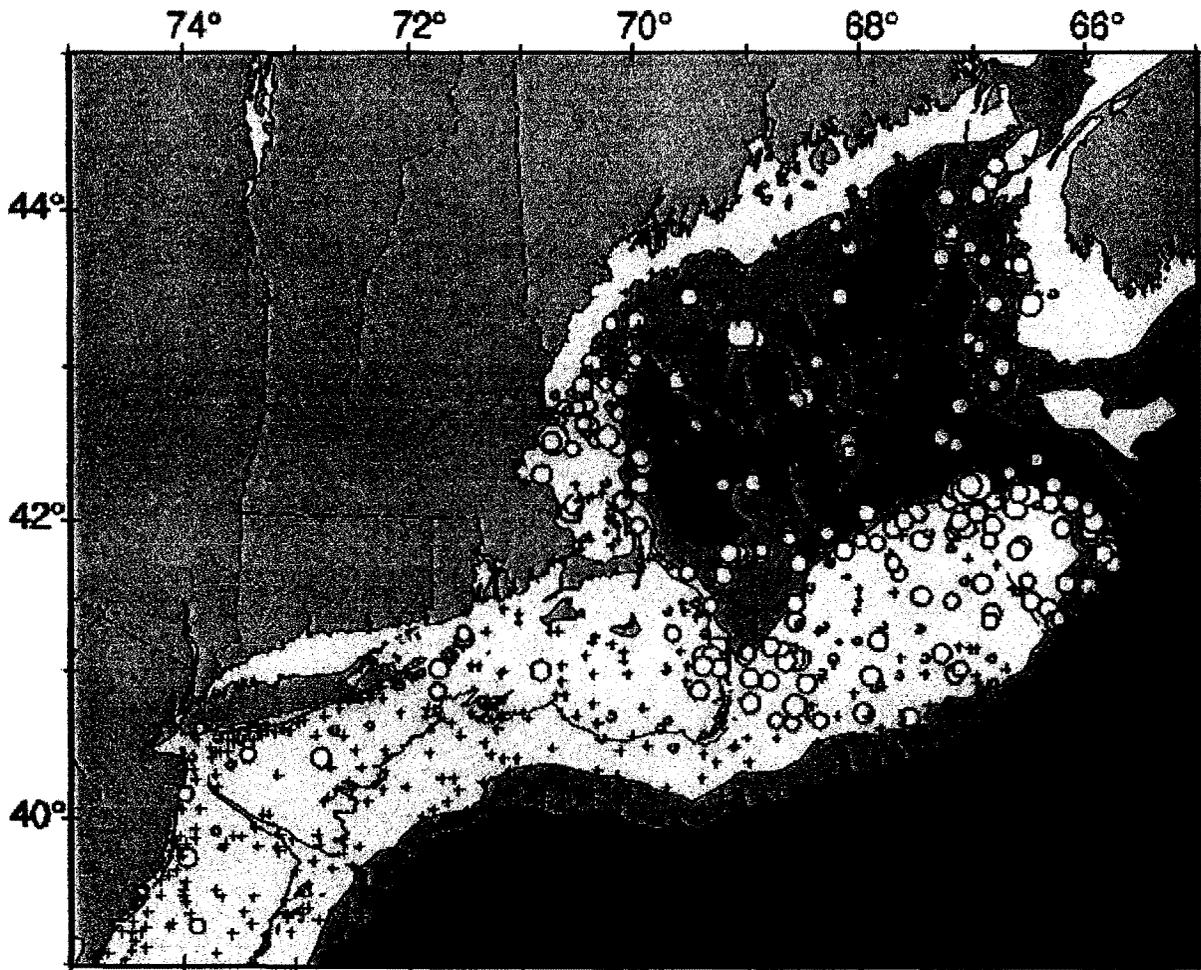
Spring 2000-2002



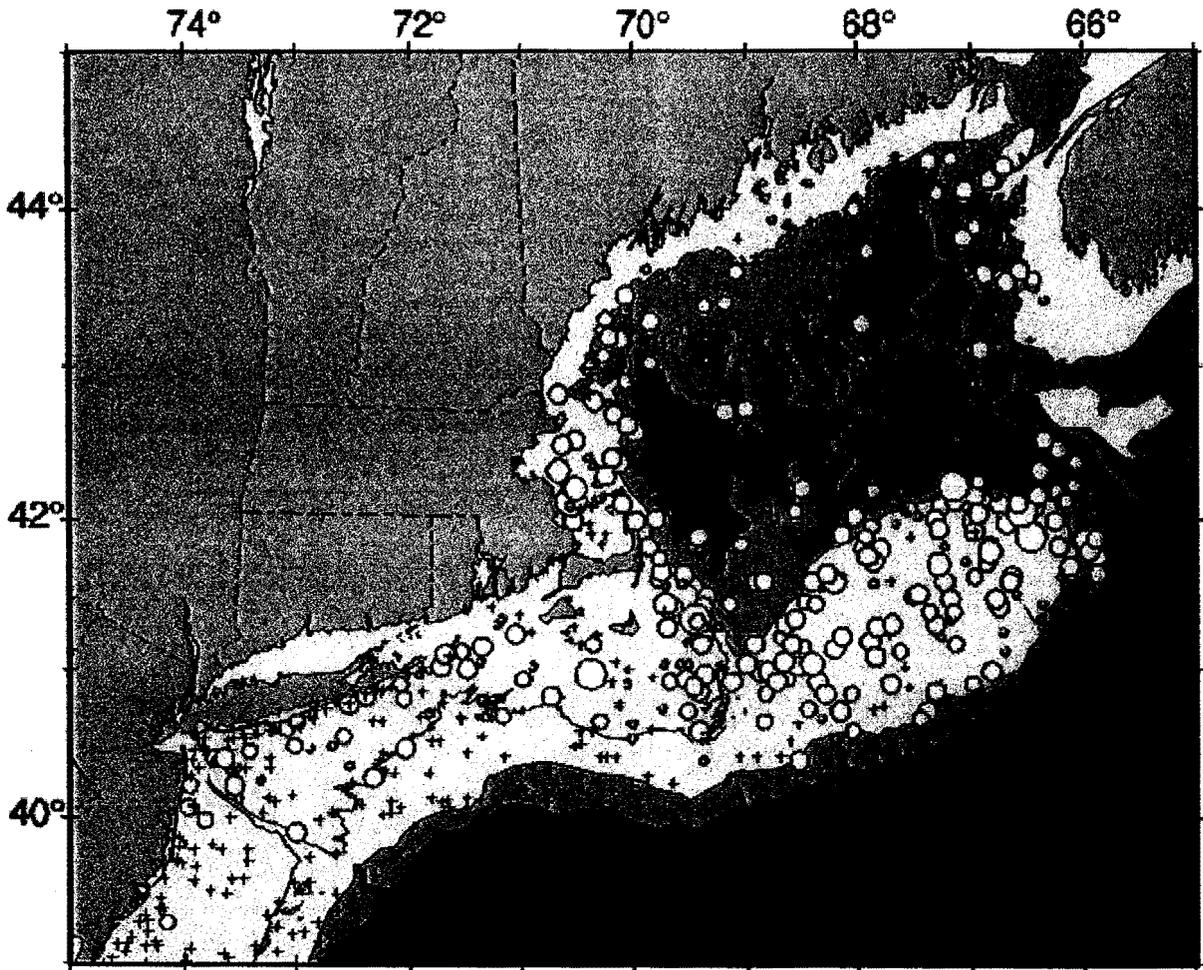
Spring 1997-1999



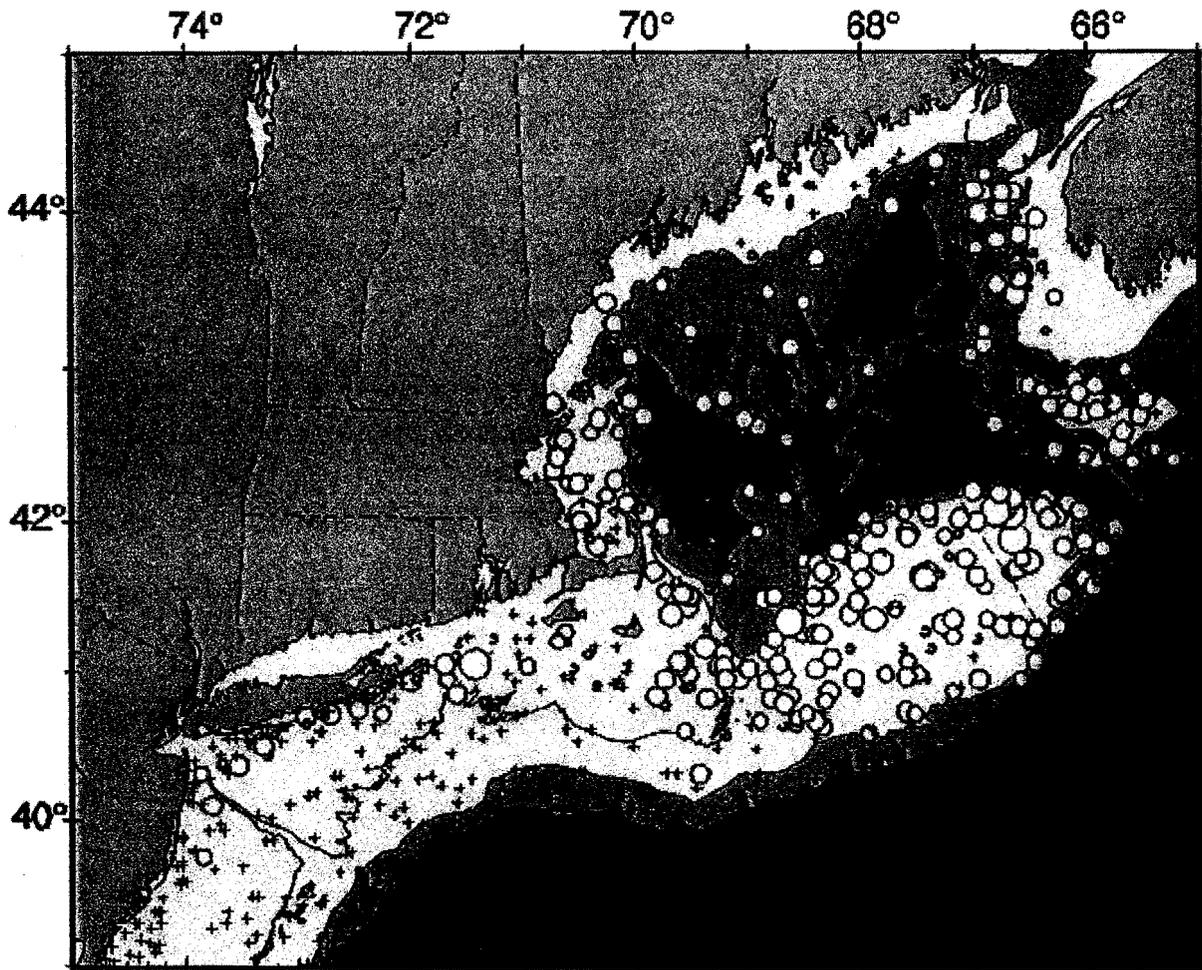
Spring 1994-1996



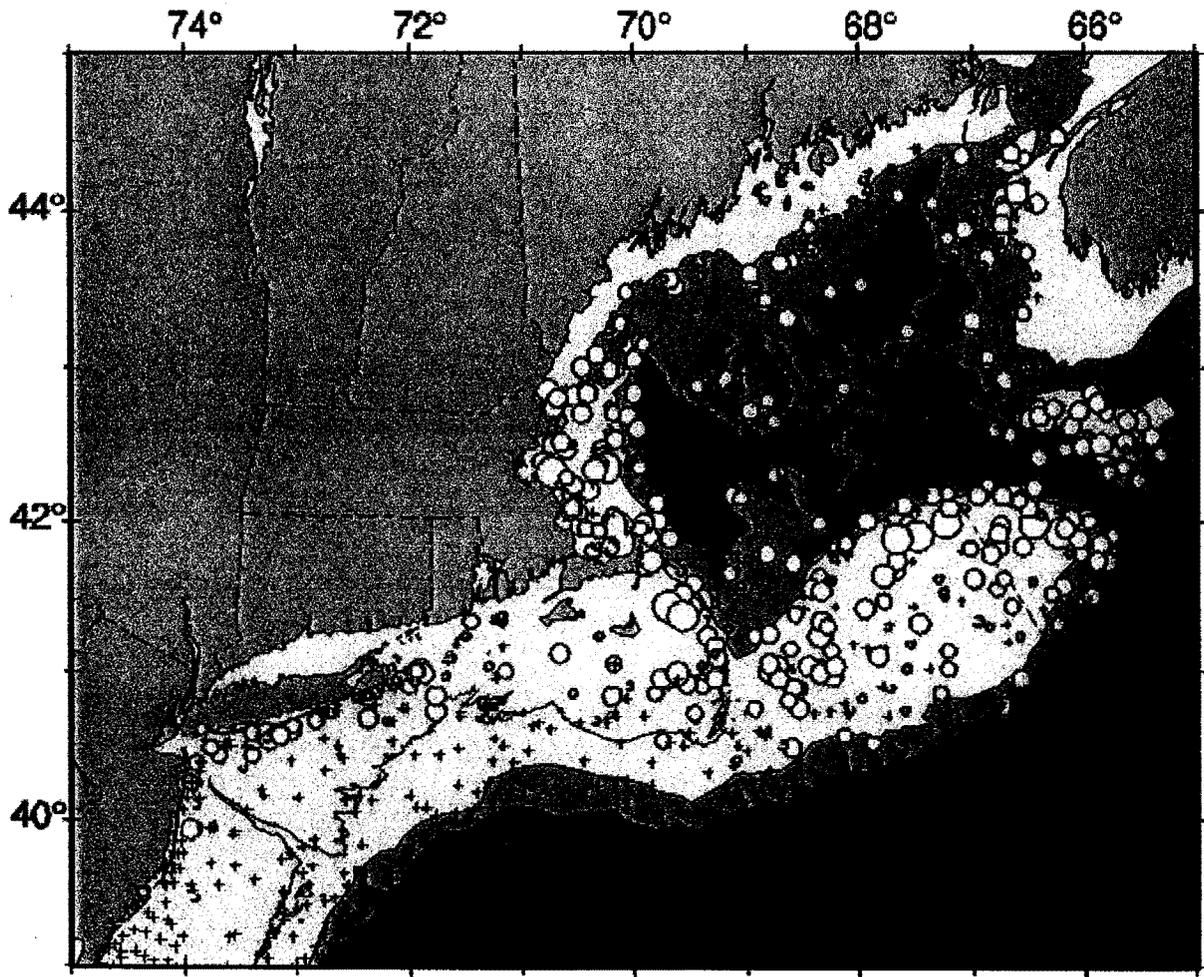
Spring 1991-1993



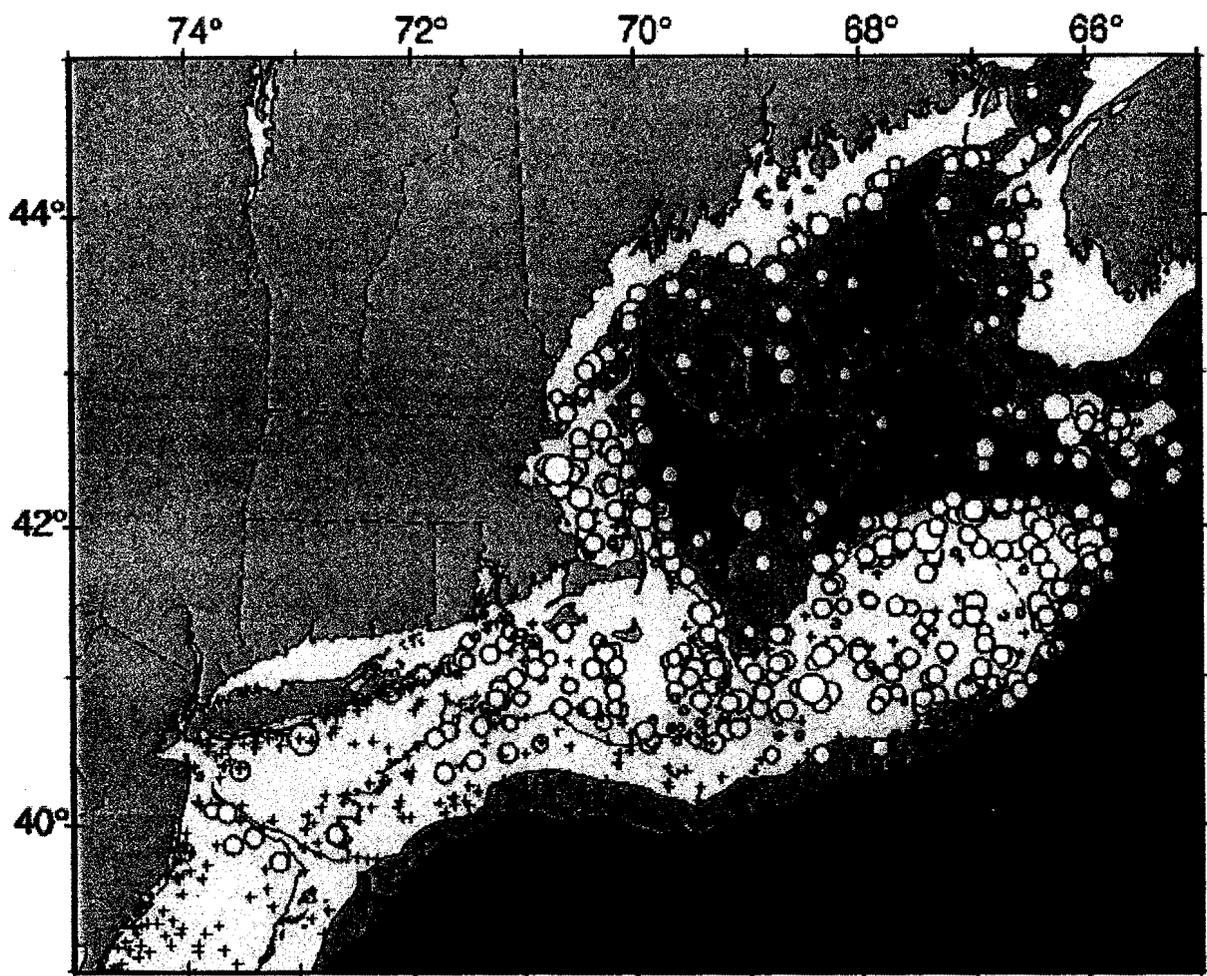
Spring 1988-1990



Spring 1985-1987



Spring 1982-1984



Spring 1979-1981

Exhibit II

Part 2.

Copy of USGS Fact Sheet:

Habitat Geology Studies on and near Georges Bank, off New England

Habitat Geology Studies on and near Georges Bank, off New England

Introduction

Georges Bank was once the premier East Coast fishing ground for groundfish and scallops. The decline of groundfish species due to overfishing contributed to the increasingly restrictive management of fish stocks and a need to identify and protect essential fish habitat (EFH).

Marine habitat geology is the study of the distribution of geologic materials that form the seabed, the geologic processes (such as sediment movement and deposition) that affect the seabed, and the interplay of geologic factors and species behavior that gives rise to biological habitats in general and to specific habitats deemed essential to the success of a particular species (EFH's).

Management Needs

In response to the growing need to manage fish stocks and to protect seabed environments and habitats, there is an increasing demand to know (1) the distribution of geologic materials and processes that are the framework of habitats (fig. 1), (2) the location and character of EFH's, (3) the impact of habitat disturbance by fishing gear, and (4) the processes and time periods required for the recovery of disturbed habitats.

Large areas on and near Georges Bank have been closed to fishing since December 1994 to conserve groundfish stocks (fig. 2). Sea scallops had been depleted in these areas, but they have recovered locally since 1994. Parts of the closed areas recently have been opened for a limited time to allow scallop dredging, thus raising questions regarding the disturbance of EFH's and the bycatch of protected groundfish species.

USGS Research Results

Geologists and biologists of the U.S. Geological Survey (USGS), the National Marine Fisheries Service (NMFS) and National Marine Sanctuaries System (NMSS) of the National Oceanic and Atmospheric Administration (NOAA), the University of Rhode Island, and the University of Connecticut have been conducting joint studies of the seabed geology

and biological habitats of Georges Bank for several years. These studies have shown that—

- Herring spawning sites are located on gravel bottom only where currents are strongest
- Juvenile cod survive best on gravel habitat, especially where sponges, tube worms, and other attached species (known as epifauna) increase the complexity of the seabed (fig. 1A)
- Attached species are not able to colonize gravel habitat that is buried occasionally by moving sand
- Dredging and trawling on gravel habitat remove epifauna and decrease habitat complexity, but fishing gear apparently has less long-term impact on sand habitat, especially where sand is moved by bottom currents
- Scallops prefer habitats of gravel and nonmoving sand (weak bottom currents)
- Closure of large areas to fishing allowed depleted sea scallop populations to increase markedly in 4–6 years
- Some sand-dwelling flounder species possibly prefer moving sand (strong bottom currents), but others prefer nonmoving sand habitats

These results are being used by the New England Fishery Management Council (NEFMC) and the NMFS in deciding where fishing may occur and where the seabed must be closed to fishing to protect fish stocks and habitats.

Seabed Mapping

The absence of maps showing the geology and habitat character of the seabed is the greatest single obstacle to the gathering of information required for the informed and successful management of the region's seabed habitats. The USGS has used multibeam sonar technology to map part of Closed Area I in the Great South Channel region (figs. 2, 3). The habitat information provided by these multibeam sonar images of the seabed has been used by the NEFMC to make management decisions that opened some parts of Closed Area I to scallop dredging and protected other parts that are valued as groundfish habitat.

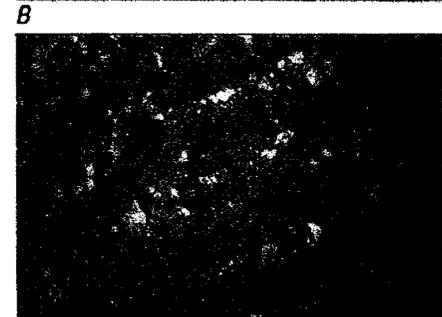
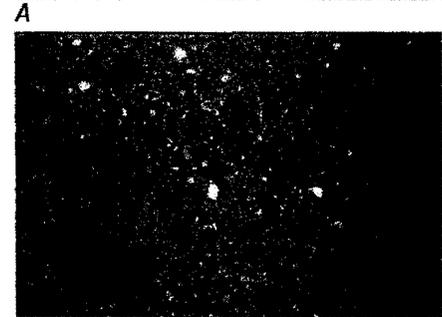
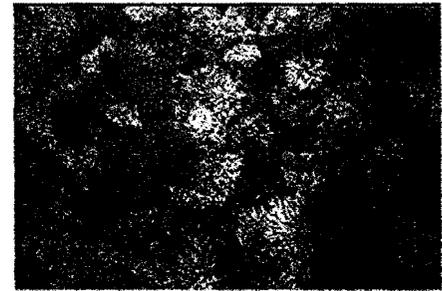


Figure 1. Photographs of the seabed showing some typical Georges Bank habitats. See figure 2 for locations. *A*, Undisturbed gravel habitat with epifauna of tube worms and other attached species. *B*, Gravel habitat disturbed by scallop dredges and lacking epifauna. *C*, Moving sand habitat (strong bottom currents) with sand dollars in ripple troughs. *D*, Non-moving sand habitat (weak currents) with sea scallops.

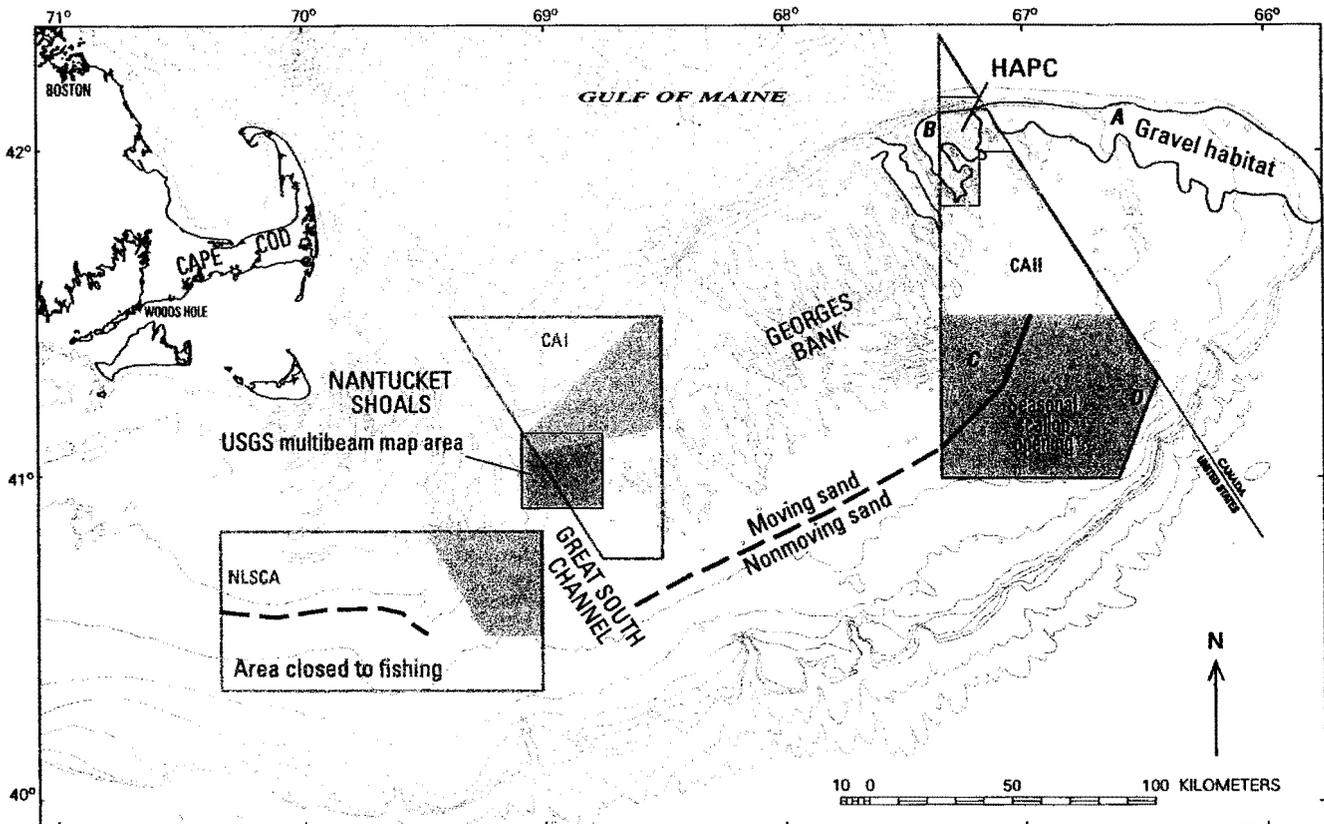


Figure 2. Map of Georges Bank and nearby regions showing areas closed to fishing since December 1994 (CAI, CAII, NLSCA), parts of closed areas that were opened seasonally to scallop dredging (pink), part of Great South Channel mapped by USGS multibeam sonar (orange; see fig. 3), gravel habitat on the northern edge of the bank (red outlines),

a habitat area of particular concern (HAPC, yellow) recognized for juvenile cod, boundary (green line, dashed where inferred) between moving sand habitat (strong bottom currents) and nonmoving sand habitat (weak currents), and locations of habitats shown in figure 1 (A, B, C, and D). Base map from NOAA's National Ocean Survey Chart 13200.

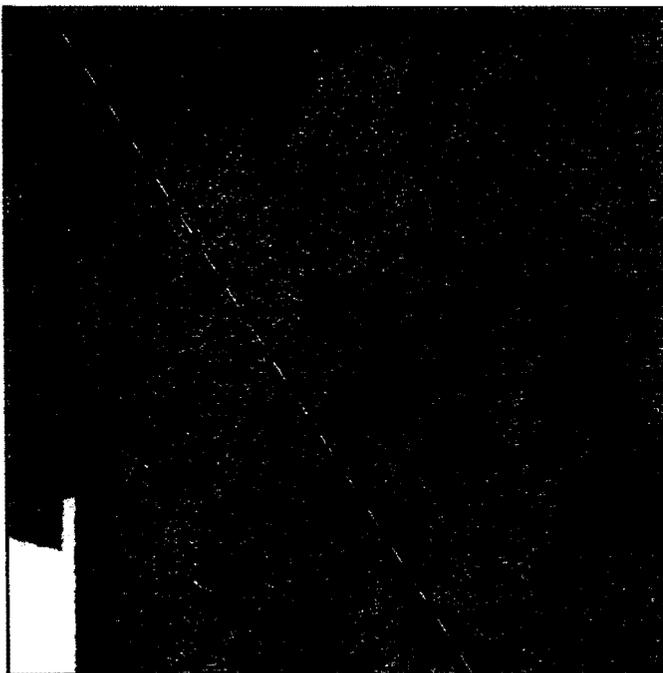


Figure 3. Part of Great South Channel (fig. 2) showing backscatter intensity draped over shaded-relief imagery of the seabed. Colors of backscatter data derived from multibeam sonar mapping indicate the wide variety of habitats in this important fishing ground: orange indicates high-backscatter material (coarse sand and gravel); green indicates moderate-backscatter material (sand); and blue indicates low-backscatter material (fine sand). Closed Area I (CAI) boundary is white dashed line. Area shown is 26 x 26 kilometers.

For more information, please contact:

Page C. Valentine
 U.S. Geological Survey
 384 Woods Hole Road
 Woods Hole, MA 02543-1598
 Telephone: (508) 457-2239
 E-mail: pvalentine@usgs.gov



New England Fishery Management Council

50 WATER STREET | NEWBURYPORT, MASSACHUSETTS 01950 | PHONE 978 465 0492 | FAX 978 465 3116
Frank Blount, *Chairman* | Paul J. Howard, *Executive Director*

Scoping Comments For Amendment 11
to the
Atlantic Sea Scallop Fishery Management Plan

Written Comments Received
via Mail, Fax and Email

Comments received after the March 6, 2006 deadline

New England Fishery
Management Council
Scallop Scoping Comments
The Tannery Mill 2
Newbury Port MA 01950
Fx 978-465-3116



GENERAL
CATEGORY
SCOPING

Dear Sir,

BUY BOAT! The Plan development should consider allowing buy boats to purchase scallops at sea. Purchase of scallops is not covered in the prohibition of transferring scallops at. The purchase of scallops by a dealer at sea on a buy boat would have all the necessary reporting by the vessel & the dealer on the buy boat.

Advantages of allowing buy boats!

Saving of fuel, (vessels could stay on the grounds and not burn fuel steaming back & forth to port each day, vessels would not need as much dock space in Northern ports where recreational vessels utilize most available dock space. Trips to the ports would be staggered or to central located ports where dock space was available for fuel & repair. Vessels could work area around buy vessel, not areas closest to port, general scallop vessels could scallop in areas with scallops that are large but not in sufficient amounts to justify utilizing days at sea by limited access vessels.

If the north South line is adopted then areas to the east of the line could be harvested by general scallop permitted vessels, areas that the vessel tracking system show currently limited access vessels do not scallop.

Currently thirty million pounds plus are not utilized due to management. These scallops die of old age or predators because they become too large to move. By allowing buy boats for general category scallops a portion of the regulatory wasted scallops could be harvested.

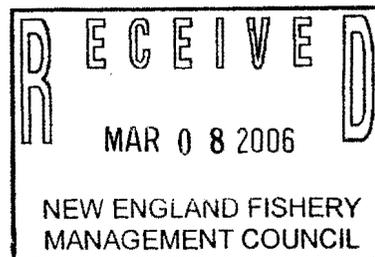
Currently areas of low abundance but large scallops are being allowed to die. the buy boat with general scallop vessels could economically & efficiently harvest these areas. Example: areas off Virginia Beach Va. have marginal scallop populations, the limited access fleet does not work the area. the area is too far off shore to allow economic harvest by the general category. thus a buy boat / dealer & general scallops could harvest the area, Scallops that will currently die of old age would be utilized for economic return.

Law Enforcement could put an agent on the vessel,, calculate the purchases and visits by General scallop vessels and know what the dealer/ buy boat had on board. With the fines for non compliance the buy boat/ dealer would have no incentive to break the law.

BUY BOAT MUST BE CONSIDER FOR ECONOMIC REASONS, FOR UTILIZATION OF THE RESOURCE.

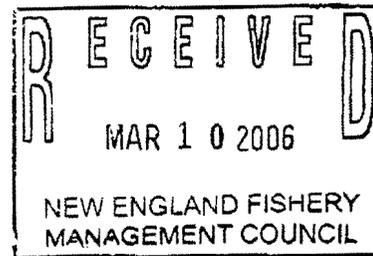
Sincerely

James Fletcher
James Fletcher
03-08-06



March 6, 2006

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, Ma 01950



Dear Mr. Howard:

My name is Charles Christopher Jr and I am a 5th generation fisherman. My family has been fishing the waters off the coast of the United States since the early 1800's.

My father and family has been scallop fishing since 1979. We were there when the trips were 21 plus days long and the price was a little more than \$2. It was very hard to make a living and support a family, however we hung in there. Several years later we purchased our own boat, the F/V Christopher Pride and the road ahead proved nothing but finical hardship. Over time things did get better, until September 2003. Our vessel, Christopher Pride, caught fire and sank at the Lobster House in Cape May NJ again giving us huge finical burdens. We had no insurance on the vessel and therefore had to come out of pocket. All of our finical resources had been drained. Know one would touch us finically with a ten foot poll. Finally, two years ago we were able to get financing and my father and uncle (50/50 partners) now own the F/V Christopher's Joy.

The problem that I am faced with is, now that I am finally able to purchase a vessel and use it for day scalloping, the council wishes not to allow me to do so. I am in the process of buying a 60' shrimp boat to use for scalloping. I have sunk a lot of money and time into this project. I am not a new comer to this industry whatsoever, I was just not finically able to do it on my own until now. I hope that the council will take into account that I personally think that HISTORY of your fishing in the industry should play a role to who gets in and who is out.

Something that I don't clearly understand is that in 1994 when Amendment 4 was set forth, those that were in, were in, and those that were out, were out. We as industry has allowed those that have not scalloped a day in there life (up until 2 plus years ago) to enter our fisheries, (that's not fair to me!). I guess what I am trying to say is that if someone like me and my family along with the history that we have in this industry can't get a day fishing scallop permit, no one should. We should simply go back to the control date of Oct 1994 and honor Amendment 4. We should let no one pass that 1994 date enter the industry. It's simply not fair for so many new comers to think that they can't just come into the scallop industry. Years ago, they choose to shrimp, fish or what ever they did, we choose to scallop!

My views are very mixed, I agree with some of the things that the council proposes and than again, I agree with some of the things that the fisherman says. One of the things that I will comment on is something that a gentleman brought up at the meeting, (I will not say his name but it is on record). He mentioned the word "GREED". I think that some of us in the scallop industry feel that there is a type of monopoly going on. The

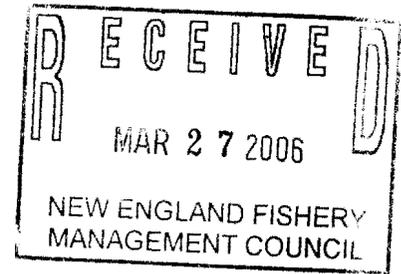
companies with the fleets (3 or more vessels) seems to want all of the rules and regulation to go according to their needs and not want the smaller guys (like myself) to succeed or build and expand our small businesses. These guys seem to have more of a say so and controls what happens because they have more money/power.

I do apologize to the council for not addressing each of the questions that was listed in the draft giving to us at the meeting. However, I do strongly think that much time, thought and many more meetings should be conducted so that this matter will be fair and just. Also, I really think that the 1994 control date, including myself should be a major factor in the decision making for the council.

Sincerely,

Charles Christopher

From: boardman [mailto:board.man@comcast.net]
Sent: Monday, March 27, 2006 9:23 PM
To: Deirdre Boelke
Cc: scallopscoping@noaa.gov
Subject: Sea Scallop Amendment 11 Scoping Comments



Attention: Paul J. Howard, Executive Director
New England Fishery Management Council

Dear Sir,

My name is Paul Boardman and I am a General Category Scallop. I own and operate the F/V Heckler and live and fish out of Barnegat Light, N.J.

I originally submitted comments on March 5, 2006 to the designated email address "scallopscoping@noaa.gov", however, for whatever reason they were not included with the other public comments so I thank you for the opportunity to submit the following comments for your consideration:

1) Limited Entry.

Council should use limited entry to reign in the fleet.

November 1, 2004 control date should be used.

However, there must be a "re-rigging clause" to protect the interests of those few individuals that were genuinely re-rigging for scallops prior to the control date.

In order to qualify under a re-rigging clause may I suggest the following criteria:

Vessel owner must possess legitimate receipts dated prior to November 1, 2004 for a considerable sum, ie: at least \$5000- must have been spent.

Receipts must be for dedicated scallop gear, ie: dredges, deck winches, towing cable, construction of gallows, A-frame etc.

Vessel must have commenced Gen Cat scalloping within 6 months of the control date.

Vessel must have possessed a general category scallop permit prior to the control date.

Vessel must also possess at least 1 other limited access federal permit, ie : multi species, monk fish, lobster, longlining etc.

Any re-rigging vessel should be allowed a full 12 months from the date of their first scallop trip to achieve any additional qualifying criteria.

I believe a strict criteria as I have outlined above would result in very few additional vessels qualifying for any Gen Cat permit.

Yours sincerely,

Paul Boardman



New England Fishery Management Council

50 WATER STREET | NEWBURYPORT, MASSACHUSETTS 01950 | PHONE 978 465 0492 | FAX 978 465 3116
Frank Blount, *Chairman* | Paul J. Howard, *Executive Director*

Scoping Comments For Amendment 11

to the

Atlantic Sea Scallop Fishery Management Plan

Written Comments Received via Mail, Fax and Email

Comments received between February 8 – March 6, 2006

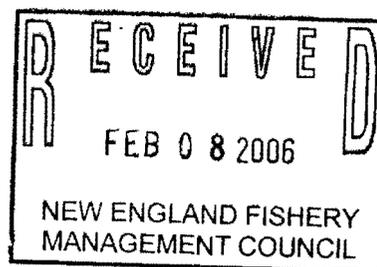
Scoping Comments for Scallop Amendment 11 - Received via mail, fax and email

Total of 58 comments, listed in order of date received

Commenter	Hometown
Michael Ball	South Thomaston, ME
Philip Michaud	Eastham, MA
Bob Baines	South Thomaston, ME
Terry Alexander	Harpswell, ME
Arthur Osche	Manasquam, NJ
James Gutowski	Barnegate Light, NJ
Eric Hansen	
Stanley Sargent	Milbridge, ME
Daniel Cohen	Cape May, NJ
Vincent Carillo	Montauk, NY
Joseph and Michelle Letts	Fairhaven, MA
David Nadeau	North Chatham, MA
Chris LaRocca	
Peter Spong	Southampton, NY
William Reed	
Chris Davis	Chatham, MA
Donald Carter	
Paul Vafides	Hull, MA
Josept T Wagner	Ocean View, MD
John P Ciliberto	Trainer, PA
Anthony Watson	Berlin, MD
James Fletcher	Manns Harbor, NC
Jo Lundvall	Little Egg Harbor, NJ
Joe Smith	
David Wallace (Mid-Atlantic General Category Scallop Alliance)	Cambridge, MD
Ray Trout	Lewes, DE
Jimmy Hahn	Ocean City, MD
Andy Keese	Chatham Harbor, MA
Thomas Brown	
Jim Brindley	Gloucester, MA
William Albert Fooks	
John Borden	Kittery Point, ME
Dennis Williams	Kittery Point, ME
Richard Taylor	Gloucester, MA
Charles Wiscott	Cape May, NJ
Neal Kitson	Barnegate Light, NJ
James O'Malley	Narragansett, RI
Harriet Didriksen	
Eric L. Lundvall	Little Egg Harbor, NJ
Eric Kitson	Cape May, NJ
George Lapointe (Maine DMR)	Augusta, ME
Robert Maxwell	
David Frulla (Fisheries Survival Fund)	Washington, DC
Geoffrey Day (GC Scallopers' Coalition of New England)	Cambridge, MA
Stephen Ouellette	Beverly, MA
Willaim Dicianni	Long Branch, NJ
Scott Bailey	
Craig O'Brien	
Don Myers	West Creek, NJ
Joey Daniels	Wancheese, NC
Maggie Raymond (Associated Fisheries of Maine)	South Berwick, ME
Dallas Huckins	Machiasport, ME
John Wood	Machiasport, ME
Willaim McIntyre	
Jean Frottier	Wellfleet, MA
Comments received after the March 6, 2006 Deadline	
James Fletcher (second comment)	Manns Harbor, NC
Charles Christopher	
Paul Boardman	Barnegate Light, NJ

February 3, 2006

Mr. Paul J. Howard
New England Fishery Management Council
50 Water Street, Mill 2
Newburyport, MA 01950



Dear Mr. Howard:

My name is Michael Ball, owner/operator of the F/V Lori Lee. I have been a commercial fisherman for 35 years and have never had a land job. I fished out of New Bedford for 16 years. I was captain of three different scallop boats during five of those years. I have seen many changes to the industry from the Hague line, meat count, and new gear restrictions. I have always wanted to own my own boat and now that I do the new amendment being discussed will push me out of the fisheries that I have a permit for.

I would like to see the control date pushed ahead one year. With only 38 more permits issued from 2004 to 2005, this is not a big increase and would allow my boat to fish. If you allocate days, I would like to see something like this:

- 150 days to 200 days for full time with history,
- 50 to 75 days part time with no history,
- allocation to be 15% of annual yield,
- no dual applications.

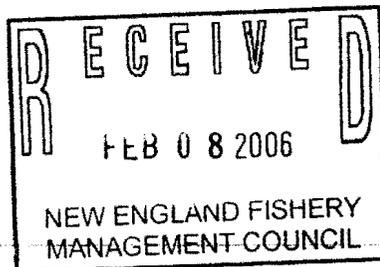
If you use hard TACS, I would like to see something like eight million pounds (8,000,000 lbs.) Total to be split into two sections, north and south, with a line to be somewhere off New York. Four million pounds (4,000,000 lbs.) to each section with splits between full and part time boats. I would like to see 60,000 full time boats and 20,000 part time boats. When TAC is filled, close the area. I would also like to see a fishing season from April 1st to October 31st and closed for five months to recoup and for safety reasons for the small boat fleet. I also think that random drug testing on operator permit holders should be mandatory!

Thank you for your time,

Michael M. Ball
6 Field Street
S. Thomaston, ME 04858
(207) 594-8199
Permit No: 241962

A handwritten signature in black ink that reads "Michael M. Ball". The signature is written in a cursive, flowing style.

cc: DB(210)



February 6 2006

NEW ENGLAND FISHERY
MANAGEMENT COUNCIL

Phillip Michael Jr

New England fisheries Management Council

Box 333

50 Water st Mill 2

Eastham MA

Newburyport MA 01950

Owner/Operator

508-776-8569

Comments - General Category
Amendment II

Dear Mr Howard, I will be unable to attend
Scallop committee meetings February 21st thru 23rd

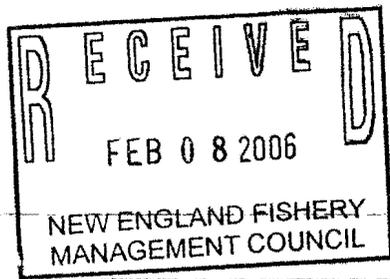
We need to establish T.A.C. for general
boats. I recommend the following

- 1) Stay with November 04 Control date
- 2) Reduce the present 279 vessels by
Increasing the 40 pound baseline to several
thousand.
- 3) Provide to the non qualifying vessels
at 200 lb license, today's price is double
past years, its fair.

I request individual pound instead of
number of trips. Otherwise the much
larger vessels, will force us small boats
out in bad weather and long distances
to catch our share before the T.A.C.

is gone. This allows us to continue to also
access other fisheries to complete year.

Sincerely, Phillip Michael



Phillip Michael Jr
P.O. Box 333

February 6 2006

Eastham MA 02642
F/V SUSAN C III

Dear N.E.F.M.C Paul Howard
and scallop committee.

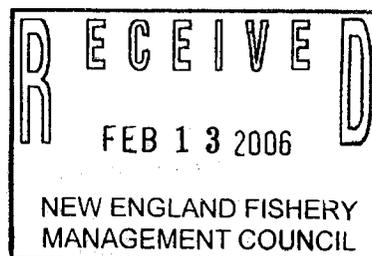
To restrict the General Category harvest and be fair to the boats that have been at this for many years, I suggest use part of the Ground fish plan. In our case use 1998 thru 2003. Must have landed certain poundage or number of trips. Those that don't qualify can obtain A 200 lb open access permit.

Today's dollar value is double the price we received prior to this new effort. I believe this would be fair. Please don't allow 400 lb possession limit to be raised even in closed areas. Perhaps we need a reduced amount to reduce effort.

Sincerely

Phillip Michael
Small boat/owner/Operator

Paul J. Howard
Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950



Bob Baines
F/V THRASHER
89 Waterman Beach Rd.
South Thomaston, Me. 04858

2/9/06

GENERAL CATEGORY SCALLOP COMMENTS

Dear Mr. Howard,

I am a Maine lobsterman who has also participated in the scallop fishery for over 20 years. I have held a general category permit with landings history since 1993. It is extremely important for Maine fishermen who hold a general category scallop permit to retain the ability to harvest scallops in waters off the New England coast. Many of the fishermen who hold general category scallop permits fish on small boats in a directed fishery either on a seasonal or full time basis. The ability to continue in this fishery will allow the owner operator, small boat fleet to survive in an arena being dominated by big boat, corporate owned operations.

1. If it is the intent of Amendment 11 to control capacity in the general category fleet, then limited entry must be used. I would support the control date that has been established, although there is not much difference in the number of permits issued in '04 compared to '05. Qualifications for a limited access program should be based on hundreds of pounds of scallops landed while holding a general category permit during the last ten years.

2/3. An allocation between the limited and general category fleet should only be considered if the limited access fleet is prohibited from landing scallops under their general category permit (double dipping). A 20% quota would be a fair allocation to allow the small boat fleet to maintain economic stability. A north/south sector should be considered to evenly distribute effort.

4. A hard TAC should be used for the entire general category fleet, along with limited entry, but not on an individual basis. It would not be in the best interest of the fishing community to create individual ownership of harvesting rights. A fleet wide TAC with area and/or season limits would effectively control effort.

5. The use of sectors or harvesting co-ops should be a part of the plan as long as all qualifying general category permit holders can participate. Sector allocation has the potential to provide better stewardship of the resource, but many questions first need to be answered as far as who has the right to harvest under the general category permit.

CCD B(2/15)

6. If a limited access program is initiated in the general category fishery, there should be no bycatch of scallops allowed by vessels which do not have general category permits. The scallops can be returned with minimal discard mortality. Under a hard TAC, any incidental catch should be prohibited when the quota is reached.

7. If the general category fleet is managed under a hard TAC, the fishing year should not be changed. The general category, directed fishery scallop fleet, is predominantly a small boat fishery. A change in the fishing year to later in the year could put these boats at risk by fishing later into the fall and winter months fearing there would be no quota left by springtime. The current fishing year provides these boats with the best weather which affords the fishermen the safest time of year to be working in small boats.

I have two other comments that I feel are relevant to the General Category Scallop Fishery. There seems to be a problem in the inability to transfer general category permit history. I know of a number of fishermen who have lost their history after building new boats and not being able to transfer their old permits to the new boat because it is still an open access fishery. This problem needs to be rectified if Amendment 11 is going to make the general category scallop fishery a limited access fishery and where entry is based on the control date and history.

Also, and I understand that this has nothing to do with Amendment 11, general category fishermen must be allowed back into the traditional fishing grounds in the Great South Channel . The general category fleet is using the same gear as the limited access fleet, so there is absolutely no reason why they should be treated any differently than the limited access fleet. The general category fleet must be designated as an exempted fishery which would sustain the economic viability of the fleet and spread effort over a much larger area.

Sincerely



Bob Baines

rsbaines@adelphia.net

JORDAN LYNN INC.

TERRY ALEXANDER

F/V JOCKA

F/V RACHEL T

Jordan Lynn, Inc

67 GROVER LANE

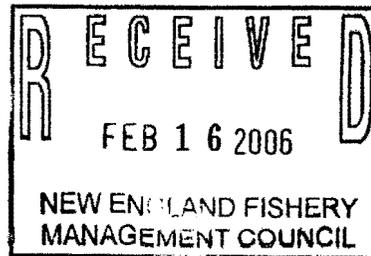
HARPSWELL, MAINE

04079

Phone:2077291850

Fax:2077257009

Cell:207-729-2538



Council Members,

After attending an informal meeting that the State of Maine hosted on the upcoming rule changes in the scallop fishery, I decided to put my two cents in on the subject.

Here is a little history on our Scallop fishery here in Midcoast Maine. We saw a Scallop boom from the late 70s till the mid 80s in our area. The Scallops just showed up one day and the next thing you know they left as fast as they came. Since that time we have not landed many Scallops. Our fleet pretty much fished on Scallops for a 8 or 10 year period and Groundfish we caught along with them. {We Scalloped with nets and at that time it was legal}

After amendment 13 rule I purchased 3 permits to lease to my 2 Groundfish vessels all of them had General Category Scallop permits also. That leaves me with a total of 5 General Category permits none of them unless you go back far enough { in the low 80s } have landings prior to the control date.

cc: DB(2/2)

In a perfect world we should all be treated the same and have the same amount of allocation. I know that's not the way it is. I know, I lost a lot of Groundfish DAS to latent effort and now the Scallop fleet is facing the same thing.

I think if we have to cut the boats that don't have landings we should give them a certain amount of days in the fishery at the 400 pound limit { we need 400 lbs a day in order to make it profitable, lets not take a booming stock and make it not economical for the boats to go and catch them } We already have the VMS aboard the boats that are in the 400 category anyway, so tracking DAS would be simple enough.

I also would like to see us be able to stack our permits in the General Category. Those of us who purchased permits since all the fish regulations would be able to get some value out of them. Lets face it, we are counting them against the effort anyway, so why not put them into the equation for real.

I think the General Category should have at least 25% of the TAC in the Scallop fishery. There are communities up and down the eastern seaboard that are depending on us getting a fair share of the TAC. That would spread the wealth throughout the smaller communities that really need it with all the cuts in the other fisheries going on.

Thank you for taking time to read and consider my comments.

Thank You

Terry Alexander

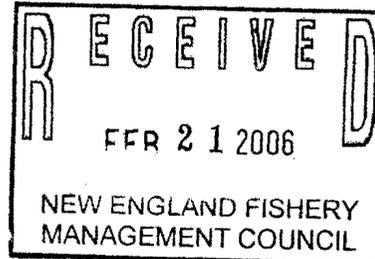


UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
1315 East-West Highway
Silver Spring, Maryland 20910
THE DIRECTOR

MAY 18 2004

*and delivered
At meeting
From :*

Mr. Arthur A. Ochse
2 Muriel Place
Manasquan, New Jersey 08736



Dear Mr. Ochse:

Thank you for your letter to President Bush regarding your opposition to proposed possession restrictions on Limited Access scallop vessels contained in Amendment 10 to the Atlantic Sea Scallop Fishery Management Plan (Amendment 10).

On April 14, 2004, the National Marine Fisheries Service (NMFS), acting on behalf of the Secretary of Commerce, approved all measures in Amendment 10 with the exception of the following two proposed measures, which were disapproved: (1) Possession restriction on Limited Access scallop vessels fishing outside of scallop days at sea; and a (2) cooperative industry resource survey program. Please be assured that NMFS considered all comments received on the proposed Amendment 10 in arriving at its decision to disapprove these two measures. NMFS announced its decision in the Federal Register on April 30, 2004 (copy enclosed).

In light of the disapproved measure listed under item 1 above, you should no longer be concerned that you will be constrained by the proposed possession restriction of 40 pounds of scallops on Limited Access scallop vessels fishing outside of a Scallop days-at-sea (DAS). Instead, the possession restriction for Limited Access scallop vessels fishing outside a scallop DAS remains at 400 pounds of scallops. We anticipate that the final rule will be published in the near future.

I appreciate your interest in this matter.

Sincerely,

William T. Hogarth, Ph.D.



Congress of the United States
House of Representatives
Washington, DC 20515

January 28, 2004

Dr. William T. Hogarth
Assistant Administrator for Fisheries
National Marine Fisheries Service
1315 East-West Highway
Silver Spring, Maryland 20910

Dear Dr. Hogarth:

We are writing to convey our deep concerns regarding the exclusion provision of the most recent Amendment 10 to the Sea Scallop Fisheries Management Plan submitted to the Secretary of Commerce by the New England Fisheries Management Council. If approved as written, the Amendment 10 will prevent certain scallop vessels (mostly New Jersey boats) with full-time Limited Access permits from participating in the General Category scallop fishery when they are not using a sea scallop day-at-sea.

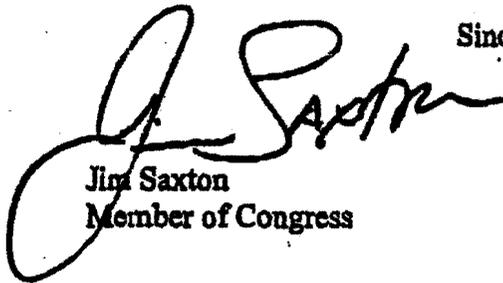
Approximately two-dozen full-time New Jersey Limited Access vessels have participated in the General Category scallop fishery when not on a day at sea since the option became available. The 400-pound daily limit of shucked scallops available pursuant to the current FMP contributes to the economic viability of these vessels and allows them to maintain crew between regular scallop trips. New Jersey shore-side operators have developed a significant consumer market for fresh "day boat" scallops based on the product harvested under this option. To our knowledge this fishery is restricted to New Jersey vessels operating from New Jersey ports.

Ironically, the NEFMC placed no other permit restrictions on the General Category fishery and allows for increased scallop landings by combination permit groundfish vessels. Therefore, if the Amendment is implemented in its current form, it will allow a new class of unlimited non-scalloping participants to enter into this fishery while concurrently reducing New Jersey's level of participation.

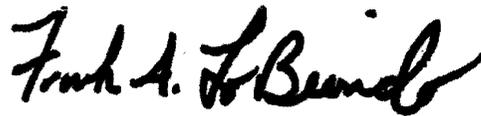
Clearly, we cannot abide such an unfair proposal by the Council process. Our request that you reject the exclusion provision in Sea Scallop Amendment 10 is wholly consistent with the position of the Mid-Atlantic Fisheries Management Council (see attached letter from R. Savage, Chairman of the Mid-Atlantic Council to Secretary Donald Evans, dated December 24, 2003). The MAFMC cites several inconsistencies with respect to the National Standards and basic issues of regional fairness.

We hope you will heed the concerns of the MAFMC and disapprove the exclusion provision of Amendment 10 to the Scallop Fishery Management Plan. Thank you for your consideration of our request.

Sincerely,



Jim Saxton
Member of Congress



Frank A. LoBiondo
Member of Congress

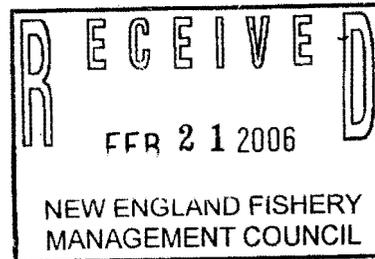


Christopher H. Smith
Member of Congress



Frank Pallone, Jr.
Member of Congress

James Gutowski
PO Box 772
1809 Central Ave
Barnegat Light New Jersey 08006



I submit these comments on the range of issues that should be addressed in Amendment 11 to the Scallop FMP.

#1 Limited entry in the Gen Cat fishery

The Council should consider limited access to manage capacity in the Gen Cat fishery. In Amendment 4 the council created the Gen Cat as a trade off to allow boats that did not qualify for limited access, or chose not to accept a limited access scallop permit that would limit their participation in other fisheries, and limited access vessels fishing off their days at sea. The Gen cat was intended for minimal impact on scallop mortality. Capacity needs to be limited so the qualifying vessels catch rates would not be reduced below what is needed to sustain a day boat scalloper.

If a limited access program is to be established the November 1, 2004 control date must be used. Prior to that control date more specific criteria should be met so the amount of qualifying vessels is not so large that it cannot be supported by a reasonable and historic percentage of the overall TAC.

Vessels applying for limited access in the directed Gen Cat scallop fishery should be able to show historic participation from Amendment 4 (1994) thru the control date set in 2004. They should have significant landings in directed scallop catches in several different years during this period. This would account for historical effort during all ranges of scallop rebuilding and scallop abundance. There may be historic participants fishing in state waters that do not fall under the Amendment 11 regime.

#2 Allocation between limited and Gen Cat fleets

The council should consider resource allocation between the limited access fleet and the day boat fleet fishing in the General category. That allocation should be consistent with historical landings and percentages since the implementation Amendment 4.

The basis for choosing "fair and equitable" allocations for the Gen Cat and or limited access fleets should be historical data. **Only** landings from **before** the November 1, 2004 control date should be considered in determining a reasonable allocation. The average Gen Cat landings between 1994 and 2004 were 2.93% of the overall TAC. The limited access fleet endured very difficult times during the implementation of Amendment 4; we have participated in cooperative research, at the peak of conservation and historical levels of scallop abundance the Gen Cat sector has exploded. Any allocation should be based on the scallop fishery Amendment 4 established; it stated if the General Category grew, the council should reduce General Category landings as opposed to re-doing the allocation of the fishery that it created.

#3 Dual applications for limited access vessels

Limited access should **not** be prohibited from targeting scallops under Gen Cat rules. Similar to any vessel applying for a limited access Gen Cat permit these vessels would need to meet the same historical criteria prior to Nov 1,2004.

This limited access sector participating in the Gen Cat since 1994 is not the problem. From 1994 thru 2004 their landings accounted for a yearly average only 0.53% of the overall TAC.

These vessels should not be segregated because they have a limited access scallop permit, in most cases they cannot target other species.

If the council continues to consider the exclusion of limited access vessels in the Gen Cat the Ad Hoc Gen Cat Advisory panel should include members who have operated limited access vessels under Gen Cat rules.

#4 Use of hard TACs in the General Category fishery

A hard TAC should be considered as an option. Along with limited access and other measures to ensure the TAC can be set at a reasonable level of the overall scallop catch.

#5 Use of Sectors and harvesting coops (Dedicated Access Privileges)

This new fishery created in Amendment 11 should insure a historical inshore day boat fishery consistent with Amendment 4. It should not consider sector-harvesting coops or access privileges enabling pounds to be stacked for longer trips further from shore.

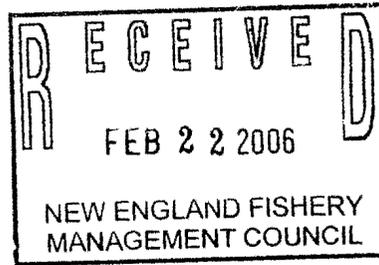
#6 Landings of incidental Scallop catch

Any vessel that does not qualify for a new limited access scallop permit should be allowed a small level of incidental scallop catch, thus preventing discards of scallops while fishing for other species.

#7 Change the fishing year

The council should not change the fishing year at this time. This will complicate an already time sensitive Amendment 11. Until R/V Albatross surveys are replaced and times are set the change if the fishing year is not warranted.

Eric Hansen F/V ENDEAVOR



Good Evening, I would like to start by pointing out that since Amendment four was implemented, the Limited access fleet has worked hand in hand with the NEFMC to help PROTECT the scallop resource. The industry has participated along with SMAST to provide the best available science needed to formulate workable fisheries management. Everyone involved should be congratulated.

With this in mind, the scallop industry has found itself a victim of its own success. The General Category, which was created by Amendment four to assist small vessels that historically landed scallops caught inshore, seasonally and in amounts too small to justify a limited access permit, has evolved into an overcapitalized industry.

The success of the scallop resource and unprecedented scallop prices have created an explosion of effort directed at this resource. We have witnessed the general category vessels legally catching over 5% of total scallop landings in 2004 and most likely double or triple that percentage in 2005. When the general category was created, the landings were not expected to be negligible. (Less than 2%)

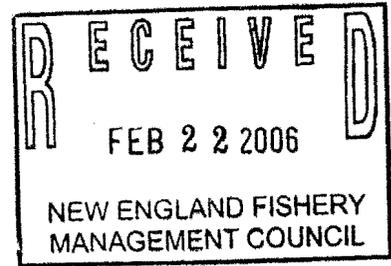
We cannot turn back the clock to rewrite Amendment four but we have to do the next best thing. A control date has been established. We must use this control date to make this a truly limited access fishery. To qualify for this new sector of the fishery we should apply some of the same criteria that the current Limited access fleet had to provide under amendment four, such as proof of directed fishery scallop landings in at least two or three years previous to the control date. Incidental catches of scallops would be unaffected as long as the value of the landed scallops amounted to less than 10% of the total landed value.

The allocation provided to this new sector of the fishery should be in line with the intent of Amendment four. I realize that an allocation of less than two percent would create severe hardships if the number of qualifying vessels is large, but please keep in mind that the current limited access fleet has been restricted severely in days at sea allowed since 1994, while the general category has remained unchanged.

I also feel that the new General category sector of the fishery should be subject to the same rules and gear restrictions as the rest of the limited access fleet, such as no stacking of permits and or days. The council voted this past year not to allow full-time boats to land any more than 18,000 lbs on any one trip in the special access areas, even if they were allocated three trips or 44,000 lbs in that area for the year. This would translate to the general category sector in that no more than 400 lbs. be landed on any one trip, even if they are allocated 4000+ lbs per year. Single small dredges should be the only method of trawling allowed since nets have been known to target smaller scallops which are the future of the fishery.

I want to thank everyone for this opportunity to voice my concerns regarding this amendment, and I hope the correct decisions are made to keep the scallop resource healthy for years to come.

Boats had to take General Category because they could not afford a VMS System. \$8000 in 1994 – now VMS is more affordable. General Category boats that could have qualified for Limited Access should have that right now.



LIMITED ENTRY IN THE GENERAL CATEGORY FISHERY.

1. A) Yes, limited entry.

1. B) The qualifying criteria should not be based on Nov. 1, 2004 control date. It should be the VMS Installation date of October 31, 2005.

1. C) Qualifications – All permits that have history or have been attached to another permit since 1994. Landings should not be considered as an individual quota. Why should a person be rewarded with the right to fish more when he helped in over fishing?

1. D) It will stop a lot of boats from fishing on the traditional bottom after the scallop season.

1. E) You will take the option away from people that do not fish outside of their homeports. Those that fish outside 3 miles along the Maine Coast the historical fishing practices would be left to only those who qualified and spent the money for the VMS.

ALLOCATION BETWEEN THE LIMITED AND GENERAL CATEGORY FLEETS.

2. A) We have an allocation of 400 pounds now. If the council needs to set an allocation it should be per boat, per year. 80,000 pounds per boat, per year.

2. B) Fair and equitable is 400 pounds per day. 1 month fishing for limited access boats equals 12 months fishing to general category boats.

DUAL APPLICATION FOR LIMITED ACCESS VESSELS.

3. A) No limited access vessel should have a general category permit. They should be prohibited from accessing both categories of this fishery.

3. B) Limited access vessels would have the same impacts put on them as general category vessels have had since the 400 pound limit was mandated. You meet your permit limits, then go home or do something else.

3. C) No incidental scallop catch or 40 pounds per trip.

USE OF HARD TAC'S IN THE GENERAL CATEGORY FISHERY (FLEETWIDE, BY AREA, SEASON, SECTOR OR ON AN INDIVIDUAL BASIS)

4. A) No hard TAC . We currently have one now at 400 pounds per day.

4. B) No

4. C) N/A

4. D) No further vessel categories. General category should be treated the same whether you have a 70 foot boat or a 35 foot boat. Size , horsepower, should make no difference. We are all grouped together and should stay equal. We already have two separate categories now.

4. E) TAC on an individual basis is fairer to each boat (within its category). Fleet wide it is not fair to the smaller boats.

4. F) No performance criteria used. The person has held a valid permit since 1994 or installed the required VMS by October 31, 2005.

USE OF SECTORS AND HARVESTING COOPS (DEDICATED ACCESS PRIVILEGES)

5. A) If a fisherman should be able to lease his poundage for the year to someone else.

5. B) Sector allocation would change the general category fishery . It would negatively affect fishing communities.

5. C) No consolidation. Only leasing of poundage for that year.

LANDINGS OF INCIDENTAL SCALLOP CATCH

6. A) Yes, 40 pounds per trip.

6. B) Yes, 40 pounds per trip.

6. C) No, we should fish with the same rules as the Limited Access boats.

CHANGE THE FISHING YEAR

7. A) Do not change the fishing year. (NO) We do not want to have an allocation that can be caught up in the fall and winter down south, before the northern boats have a chance to fish. It needs to be fair, boats from New York to Maine need a chance to fish. Status Quo is the way to go for now.

ANY OTHER COMMENTS:

The council should consider that general category permits be held by owner operator vessels only. (To be leased to other owner operator vessels only?)

1. Owner operator only
2. 10.6 ft Drag
3. 400 pounds per day or 80,000 pounds per year.
4. 4 men per boat.
5. Fishing under the same restrictions as limited access boats – twine top in drag, turtle exclusions, etc.
6. Access to the same fishing grounds as the limited access boats.

Stanley C Sargent

51 Kansas rd

Millbridge me 04681

207 - 546 - 7100

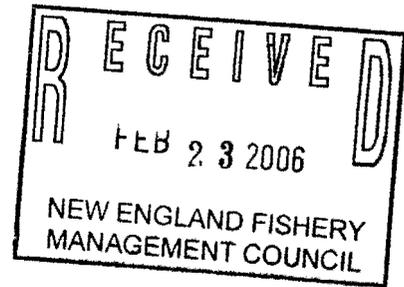


TEL. (609) 884-3000

P.O. BOX 555
985 OCEAN DRIVE
CAPE MAY, NEW JERSEY 08204

FAX (609) 884-3261

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill # 2
Newburyport, MA 01950



Via e-mail to: scallopscoping@noaa.gov

RE: Atlantic Sea Scallop Amendment # 11 Scoping Comments

February 23, 2006

Dear Sirs,

Please consider these comments for the Amendment # 11 Scoping Process and is submitted on behalf of the vessels and crews of over thirty limited access vessels who offload and sell to Atlantic Capes Fisheries, Inc.

I strongly support the implementation of this Amendment to control and limit the effort and the associated mortality on the scallop resource from the General Category fishery. By way of history it is illustrative to remind the Council that in 2003 (and earlier) I personally submitted written comments to the NEFMC concerning Amendment #10 encouraging the NEFMC to control the growing General Category effort, in my letter of July 15, 2003 to the NEFMC I stated:

General Category participation is exploding as shrimp vessels from the south and ground fish vessels from the north all are rigging up. This effort is overwhelming enforcement, which has no idea of how much effort there is or when landings occur. While it is politically impossible to ban the category we must adopt appropriate management restrictions, which should include.....There must be an overall TAC for General Category based on historical catches, which should be no more than 2% of the total estimated harvest, reports must be filed weekly and the overall fishery closed when 2% is harvested.....There can be no rationale to increase the landing limit of General Category vessels above the current 400 pounds. We cannot be encouraging more vessels to join this effort.....

If the NEFMC had heeded these warnings in 2003 and limited General Category effort in Amendment #10 much of the over investment in new vessels and conversions would not have occurred. At the time the NEFMC considered Amendment # 10 the PDT

unfortunately reported that they did not have evidence of this increase in effort, even though we were informing the Council. But the PDT was relying on NMFS landing data, which was only compiled for 2001 and part of 2002. This unfortunate decision to delay Gen Cat effort controls allowed the problem to get much worse and will make the actions necessary to control the General Category effort that much more difficult to implement.

Now we are faced with the fact that inshore areas are being over-fished, too many new entrants have engaged in a directed Gen Cat fishery moving the fishery from controlled planned harvest to a 'gold rush' and overfishing the stocks. While some of these General Category fishermen will make a case for allowing them to continue due to their recent investments, the Council must make the correct decision to limit General Category effort so that the investment of limited access fishermen not only in money but years of curtailing their own harvests going from 240 Days at Sea to less than 100 Days at Sea is not destroyed but unregulated opportunistic entrants with no long term commitment to the fishery.

Specific comments concerning what should be implemented in Amendment #11.

Control Date: The NEFMC should base its management decisions upon the history of the fishery through the Control Date of November 1, 2004. Management decisions should not include landings and effort after the Control Date.

HARD TAC - The NEFMC should implement a HARD TAC for Gen Cat vessels averaging the history of General Category effort from 1994 through 2004. The Council staff should analyze the range of the lowest during this period (about 1%) and the maximum (about 5%) as the range of options. I would recommend in implementation as the average of the period 94 through 2004, which would be about 3% which is 50% larger than the HARD TAC of 2%, as recommended in 2003 before the explosion of effort.

Limited Entry – If the NEFMC makes the correct hard decision to limit the General Category to a HARD TAC of 2%- 3% of the catch, it should then allow the General Category fishermen to decide how to establish limited entry, but it seems to be most logical to use the Control Date to qualify fishermen. The NEFMC should evaluate various criteria, as suggested by General Category fishermen to qualify for a limited entry Gen Cat permit across a range from one pound, 1000 pounds, 2000 pounds, 10000 pounds, etc. of landings in one year.

Limited Access Fishermen fishing as Gen Cat when not on a DAS – The same qualifying criteria that is used to implement limited entry in the Gen Cat fishery should be analyzed to allow those limited access fishermen who have fished for Gen Cat while not on their DAS to continue to fish as Gen Cat. Limited Access Fishermen are similar to other fishermen (i.e. Groundfish, squid, fluke, etc) in that they have few other options. Those Limited Access Fishermen who fished in a Gen Cat manner in the period of 1994 to 2004 and have landings sufficient to qualify (see above criteria) should be given a Gen Cat permit.

How to Allocate Effort – After a HARD TAC is determined and the number of the qualifying limited entry General Category Permits is determined the NEFMC must decide

what effort controls to use to manage the allowed General Category effort. One option to consider would be to allow a derby, which would have all Gen Cat vessels fish until the TAC is caught and then all vessels would stop. This should be analyzed (and I believe should be rejected.) The NEFMC should analyze options of dividing the annual HARD TAC equally between all qualifying Gen Cat vessels and allocating to each qualifying Gen Cat a fixed number of trips i.e. 10, 20, 30 trips (whatever the math works out to be annually). A third option would be allocate the number of trips quarterly and add or subtract trips quarterly based upon how many Gen Cat vessels actually go fishing each quarter. The NEFMC should consider options which will allocate to each limited access Gen Cat vessel a fixed number of trips per year, projected to stay within the fixed HARD TAC, that each vessel can decide when to harvest.

Incidental Catches – The NEFMC should allow for incidental bycatches in other fisheries and analyze various options from 40 pounds to no more than 400 pounds, provided the scallops are no more than 10% of the catch on board.

Sector Allocations and Cooperatives – This should be the focus of Amendment #12, not Amendment #11. With the cost of maintaining vessels and fuel both the Gen Cat and Limited Access Fleets will need to consider some methods of becoming more efficient after all effort is controlled. This should be done in Amendment # 12 to be started as soon as General Category effort is managed in and the scope of General Category participants is defined in Amendment #11.

Scallop Fishing Year – A change in the scallop fishing year should be considered in Amendment #12, not Amendment #11. Recently the NEFMC and NEFSC discussed the formation of a scallop survey committee to look at the design and timing of annual surveys. I think discussion of changing the fishing year should be determined in a future Amendment, after NMFS, NEFMC, and industry develop a long term annual survey and analysis plan.

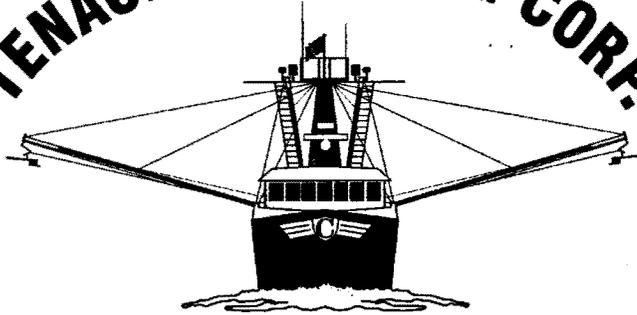
I look forward to working with the NEFMC and other members of industry, including General Category fishermen to control the mortality of the General Category sector, stop localized overfishing, and continue to foster a sustainable and economically efficient scallop fishery, which can be a model of progressive fisheries management.

Thank you for considering our comments.

Sincerely yours,

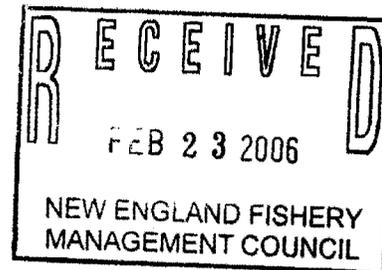
Daniel Cohen, President

TENACIOUS FISHING CORP.



P.O. Box 1432 · Montauk, NY 11954

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA. 01950



February 18, 2006

Dear Mr. Howard,

Thank you for letting me comment on the development of Amendment 11. My main concern is with issue #3 from the council draft proposal. I am the owner of a 60 foot scallop boat from Montauk, N.Y. I don't feel that ALL limited access vessels should be categorized together. I have a limited access- part time- small dredge permit with 27 days at sea and 1 access area trip in 2006. A part time boat, with these few days, needs to be able to harvest 400 pounds under general category, outside there allocated days at sea, to stay in business. A limited access- full time permitted vessel has over two and a half times the amount of days at sea(67) and one more access area trip. Therefore you cannot consider ALL limited Access scallop vessels in the same management proposal! We are very different economically and dependant on the access under general category rules.

There also seems to be a very small amount of limited access vessels targeting scallops under general category rules. The resource is only accessible to smaller boats, close to shore, during the summer months when the scallops are just right for harvesting. With fuel prices at 2.50 per gallon, and insurance premiums in excess of \$40,000.00, the 400 lbs., per day helps round out the year. There is a very small percentage of landings from these boats. In table #1-general category landings by permit, from 1994-2005 only .54% of the total scallop landings are by limited access vessels fishing under general category rules. It also states that in 2005 alone, 13% of scallop landings are from these new entrants that want to form there own group.

Let's keep these traditional limited access vessels fishing under general category rules, even if it means subtracting the .54% from the limited access total allowable catch. Let's not eliminate a fishery (limited access) to form another (general category).

Thank you,
Sincerely,

Vincent Capillo, Jr.

A handwritten signature in cursive script that reads "Vincent Capillo, Jr.".

cc: DB(2/27)

JOSEPH & MICHELLE LETTS

7 Andrew Ave.
Fairhaven, MA 02719

home- 508-996-6157

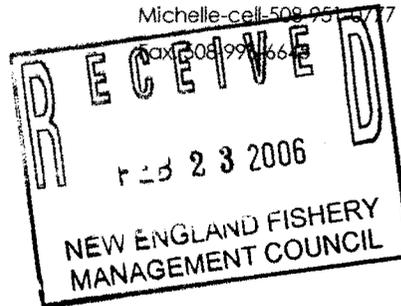
Joe-cell-443-614-2869

Michelle-cell-508-951-6777

fax-508-996-6643

February 20, 2006

New England Fisheries Management Council
Attn: Paul J. Howard
50 Water Street
Mill 2
Newburyport, MA 01950



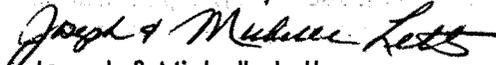
To whom it may concern:

As owners of both a large 86' full-time single dredge scalloper, F/V Ocean Reign and also a small 50' general category scalloper, F/V Rock N Rye. We would like to give you our input as far as the general category regulations as well as limited access regulations.

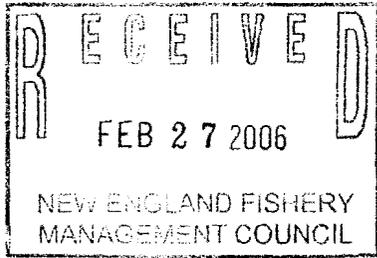
We recently were forced to put on a \$5,000.00 plus Boatracs box in order to continue fishing for the 400lbs. per day. Also a cut off date for issuance of General Category permits went into effect as of Nov. 2004. My understanding is that licenses still have been granted after the cut off date. If indeed the idea is to reduce the catch limits then I suggest that the government go back to the cut off date of Nov. 2004 and restrict any vessel which has not shown landings under the general category permit prior to the cut off date of Nov. 2004. This would reduce the general category fleet by approximately one third. I also believe that since Boatracs have been added to the 400 lb catch limit vessels, that the scallop catch rate should be monitored for 1 year prior to enforcing a "hard" total allowable catch. If after the one year of monitoring, the government feels the need to had additional restrictions, we suggest limiting the dredge size for all vessels fishing under the general category 400 lb. per day to one 10" dredge regardless of the size of the vessel. This would discourage some of the larger limited access vessels from fishing the 400lb. per day after their days have been used up.

Please keep in mind that some of these small general category permit vessels still have large mortgages on them. Our general category vessel is a refurbished steel 50' boat with state of the art safety and electronics. This is not a fly by night \$25,000.00 vessel trying to rape the industry. Our general category vessel cost over \$250,000.00 to put it to work. With all the demands already in place I would hope that our above suggestions would help reduce the catch and not harm the individuals that have history with their general category permits.

Thank you for your time and consideration.


Joseph & Michelle Letts

cc: DB (2/27)



PO BOX 1138
N Chatham, MA 02651

DAVID MADEAU
F.V. BAD Seed
CHATHAM MASS.

I THINK THE CONTROL DATE IS SOMETHING THAT MUST HAPPEN. I THINK THAT THERE SHOULD BE OTHER FACTORS IN PLACE SUCH AS LANDING PRIOR TO THE NOV 04 CONTROL DATE. MY REASON BEING IT WILL CREATE LICENCES THAT WERE NEVER HAD LANDING ALL OF A SUDDEN THEY HAVE A LICENCE THAT WILL BECOME ACTIVE BECAUSE THERE ARE A LIMITED NUMBER OF THEM. PICK A NUMBER 5,000 - 10,000 20,000 SOMETHING TO SHOW THEY ~~NEED~~ NEED THIS TO MAKE A LIVING THEN IT SHOULD BRING IT DOWN TO A CONTROLABLE NUMBER. SO THE PEOPLE THAT NEED THIS WILL HAVE ENOUGH TO MAKE A LIVING.

AS FAR AS THE LIMITED ACCESS BOAT FISHING UNDER GENERAL CAT. THAT HAS TO STOP IF WE HAVE ~~THE~~ HAVE A TAC.

INCIDENTAL SCALLOP CATCH SHOULD BE BROUGHT TO 100 LBS. SO NOT TO ENCOURAGE TRYING TO CATCH THEM A BE IN A DIFFERENT CATEGORY

cc DB(2/28)

I THINK THAT WE SHOULD BE ABLE
TO FISH IN THE CHANEL 521.

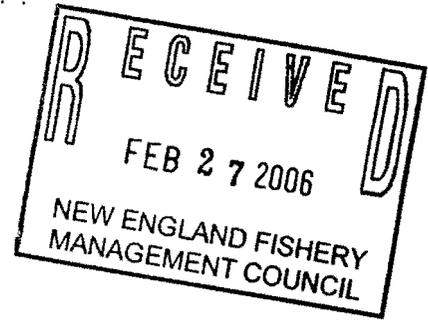
BECAUSE EVERYONE INCLUDING
MYSELF FROM MAINE TO MASS IS
GOING TO THE MID ATLANTIC. THE YELLOW
TAIL BYCATCH IS NONE EXSITANT
IN #521 THIS IS GOING TO PUT
ME OUT OF BUSSNISE FAST

MAKE THE MAX DREDGE
SIZE 8 FEET FOR THE GENRAL
BOATS TO THAT WOULD HELP ALOT

CAPT DAVID MADGW
P.O. BOX 1138
NORTH EAST HAM
MASS

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:53 PM
To: Deirdre Boelke
Subject: [Fwd: gen cat]



----- Original Message -----

Subject: gen cat
Date: Mon, 27 Feb 2006 07:27:58 -0500
From: chris la rocca <holkai@msn.com>
To: Scallopscoping@noaa.gov

I think the nov 1 control date should be used the criteria should be an avge from the period amend 4 to nov1 04.
if limited access permit holders can meet the criteria then they should get a gen cat ,also the alocated TAC should also be consistent with historical levels and there should definitely be a hard TAC. there should be no segregating of the resource by area or by time, and to change the fishing year now would be ridicilus. my name is chris la rocca i have been fishing for over 20 years i now run a full scalloper from barnegat light iwas at the meeting in cape may and wanted to send in written comments. thanx for considering my ideas

2.27.6

GENERAL CATEGORY COMMENTS,

Hello, my name is Peter Spang. I own the F/V BROOKE C, DOC# 660604, PERMIT# 231025. My concern with the upcoming rule making is with the amount of history that could be required. I fish out of Montauk New York. The few scallop boats that do fish out of there were only given one year to scramble to put any type of history together beside gearing up the boat and learning how + where to caught the scallops. The area outside of Montauk was closed to us prior to the beginning of 2004. Not certain of the exact date but it was considered a yellowtail sanctuary. I feel the general permit allows local boats to supplement their income from other slowed fisheries. Thank you for taking my comments into consideration.

Peter Spang

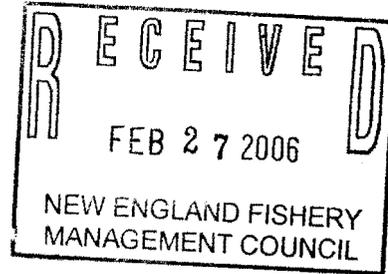
631-287-6077

FV/BROOK

3 Highlands Dr
Southampton NY 11968

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:53 PM
To: Deirdre Boelke
Subject: [Fwd: Admendment 11]



----- Original Message -----

Subject: Admendment 11
Date: Mon, 27 Feb 2006 12:24:31 -0500
From: william reed <rschreed@hotmail.com>
To: ScallopScoping@noaa.gov

February 27, 2006 NEFMC, Scallop Amendment 11

I, William Reed, owner of the F/V North Sea and F/V Providence, have been utilizing my general category permits on the both vessels.

After attending the Scoping Hearing in Cape May Courthouse and hearing some passionate pleas, I have changed my opinion on one important issue; that is, the November 1, 2004 deadline. I just do not want to be the one to push a man's livelihood away from him, to squash a life's dream and ambition.

It is my opinion that you do not consider the November 1, 2004 deadline based on the fact that NMFS was still handing out dreams when with hindsight; they should have withheld these permits. Pandora was let out of the box. However, I would like to suggest a higher qualifying standard for maintaining this permit. Say, 50 trips, which would translate, to 20,000 lb meat or 2,500 bushels of scallops; once again landed between 1994-2005 in any one year.

Issue #2 Allocation: as much as possible for the general category fleet. Realistically, I feel that a 7.5% allocation is fair or 5% with the limited access boats eliminated from the General Category Allocation; by area will just concentrate boats, gear type not in favor of, however Mid-Atlantic boats should be required to tow 6 1/2" square cod ends with 6" twine in net. This would be consistent with the SNE region. As for turtles, they are attracted by the shucking and scallop guts from the limited access boats going back and forth over the same tow, creating a huge chum slick attracting sea turtles, tunas and sea birds. Shucking 50 bushels is not enough of a chum slick to attract much marine life. Shell stocking must continue to be allowed. I supply important markets with live scallops for sushi and we would like to continue this. As I ramble on, I am strongly in favor of an individual quota that is only transferable on a yearly basis.

Issue #3: I feel strongly in favor of not allowing the limited access boats into this category, following the advice of Bill Hogarth and local congressional representative.

Issue #4: Hard TAC appears to be a necessary evil. Again, I am in favor of an individual quota.

Issue #5: I feel that individual quotas would just be simpler for all. If not community quotas would be the next best thing.

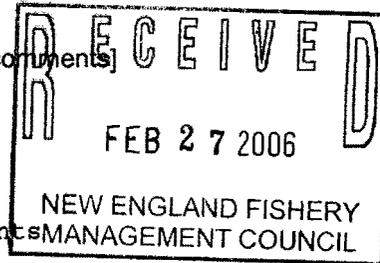
Issue #6: There needs to continue to be 40 lb or 5 bushels of individual catch- Must avoid regulatory discards.

Issue #7: Too bad January 1st does not start the year. However, leave the start date alone.

William Reed

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:53 PM
To: Deirdre Boelke
Subject: [Fwd: atlantic sea scallop amendment11scoping comments]



----- Original Message -----

Subject: atlantic sea scallop amendment11scoping comments
Date: Mon, 27 Feb 2006 15:17:20 -0500
From: chris davis <scrounge69@comcast.net>
To: ScallopScoping@noaa.gov

NMFS; I was at the meeting in hyannis on feb.23 I did not speak as I was in a wheelchair and the meeting room was overcrowded so I will make my comments here.

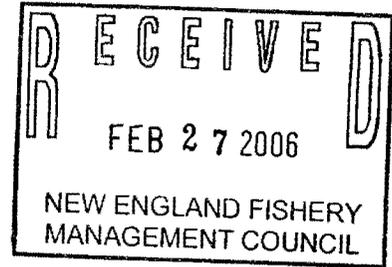
As I am sure you all know the increase in the size and catch of the GC was do to the Limited Entry vessels using up thier days early in the season causing an increase in the price which caused the GC boats to get 8, 9 ,10 dollars per pound! I spoke to a gentleman on the council that told me of the shrimpers moving in on the mid atlantic all in the GC .This gentleman told me that they were responsable for the Limited Access boats being so upset about the GC , it seems these shrimpers were rigged both sides with large rakes and were staying out 30 or more hours and landing over 1000 lbs per trip!! My responce to this was,Why if everyone knows this,and the trip limit is 400lbs WHY NOT ENFORCE THE LAWS WE ALLREADY HAVE. and bust these vessels ,that would be the best way of cutting back on OVERFISHING.! I believe that these vessels and the Limited Entry vessels that hold and use GC permits caused the overfishing to which you refered to in your paper.This dual permit situation should be outlawed.

I believe that setting a hard tac will cause GC boats ,most being smaller vessels, to fish weather that they would under todays regulations stay or GO HOME but if they knew the quota was nearly caught they will stay out or go in weather that is too much for thier boats.

The question of limited entry for GC vessels is one that won't have much affect immediately but the small boat fleet has always changed fisheries when the need arises, the fishermans monument at Chatham Fish Pier has a Quote on it "EVER CHANGING TO REMAIN THE SAME"and I believe it is true of the Chatham fleet and all the small boat fleets in New England, so to tell a fisherman he can't throw on a scallop rake and go catch 400lbs when he is driven out of his present fishery by lost days at sea , or lack of fish he was working on ,would be the end of small boat fleets and I believe that would be a great loss to New England. Unless of course the majority of the small boat fleet has a GC permit then using the control date as a shut off could be justified as a protection from an overabundance of GC boats from elsewhere.n the case of seperate allocations for the GC and the limited entry vessels I think that we should give the GC boats a portion of the total catch and leave the TAC as it is, nonexistent.The DAP might be a way of dealing with the extra vessels from elsewhere but would be a difficult project.Lastly I think the incidental catch and the fishingyear should be left as they are.Thank you , Christopher Davis ,owner F/V Coming Home ,Chatham Ma.

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:53 PM
To: Deirdre Boelke
Subject: [Fwd: Amendment 11]



----- Original Message -----

Subject: Amendment 11
Date: Mon, 27 Feb 2006 17:26:22 -0500
From: Donald Carter <neindustrial@hotmail.com>
To: Scallopscoping@noaa.gov

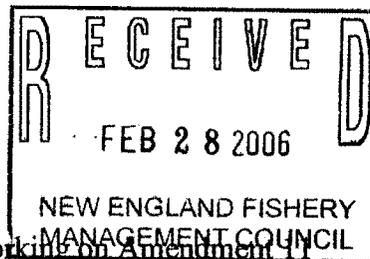
Mr. Paul Howard, As a Day/General Category Scalloper, I had atended Both the Meeting in Boston 2005 and Also the Meeting at Cape May NJ Feb 2006, Both where Confusing on the Game Plan to see just what the Process is to Control the GC Quotas, I had sugested at the Meeting in Boston 2005 to Install Sky Mate / Boat Trax, of which Finaly Happed in Dec 2005. That alone cut the 400 pound Boat Fleet by 70%, and I had also Asked to Stop giving out the GC Permits that Meeting or ASAP, of which hasn't happed, I had Also asked for a 250 Day GC Fishing Year Pr. Permit, of which I fill would Cut another 30% of the Total Harvest in the GC Fisheries.

I'm also asking for you to Look at the GC fisheries now that the Boat Trax / Skymate System are in use, And now take a true Survey for ONE YEAR on the Pounds Taken by the GC Fisheries, I Also Fill that is Going to Make a Differance in the Total Catch By 400 Pound GC. Most of the Boats in the GC will have a Hard Time With the Weather to get in 250 Days. The New Control Date should be Moved to Dec.05 to Start a Catch history Per. Permit, Because of the Tracing Systems now in Place. Please No Catch Durby that would make it a Dangerus Fisheries. Make GC a Limited Entry Fisheries. Have a Single Dredge Size up to 15' Max. The LA Vessals have Landed Scallops in the GC Rules, That may be OK only if it Goes Agianst the LA Catch and not the GC Catch. No Hard TAC should be Considered That would Also Cause a Durby Type Fisheries. Keep the GC and LA Fisheries Opened to All that Have Boat-Trac System/Sky Mate, and a Dec 05 Dead Line for 1B Permits. Total Days 250 at Sea and/Or 400 Pr.

Day Total Wt. should be Set as to Trac Pr. Vessel. Thanks For Your Time.
Please Call me if there's Somthing I can Add to the Advisory Panel. Don Carter
1-609-884-1771

Save time by starting a search from any Web page with the MSN Search Toolbar-FREE!
<<http://g.msn.com/8HMBENUS/2731??PS=47575>>

Comments In Response To Scallop Amendment 11
Seven Specific Scoping Issues



To: Deidre V. Boelke, Fishery Analyst, Lead Staff Member working on Amendment U
From: Paul Vafides, Hull, MA. Full Time Commercial Fisherman since 1973/Boat Owner FV Salvatore from 1973-1989 (Lobstering, offshore gillnetting, scalloping downeast Maine and offshore), Crew on offshore groundfish trawler for 3 years, Captain of offshore groundfish trawler for 13 years, Purchased FV Donna Jean II March/2004 with General Category Scallop Permit, Multispecies C Days, Offshore lobstering permit.

Thank you for this opportunity to respond to the scoping issues in writing. Conservation of species for the ongoing purpose of sustaining food supplies is of vital importance. Having reliable unbiased data, reliable unbiased science, peer reviewed science, and integrity from hired lobbyists, hired lobbyist scientists and most importantly from the fishermen is also a vital part of this process. It is also the important job to understand that boats must be maintained and crewed by competent and responsible fishermen. Boats must be insured, maintained, and provide a living to insure this type of responsibility. It is the hope that the council also shares these goals. If not, lives will be lost, boats will be uninsured and continue to be crewed by noncitizens, and laws will continue to be broken.

Final Scoping Document

- Additional issues that should be included are to disallow shell stocking and netting scallops. Historically, shell stocking has been devastating to the scallop business and nets catch to many small scallops.
- No VMS=No GC Permit. Dealers should be equally responsible as the permit holder for buying scallops beyond the limit from boats. The proposed bag tagging program along with the VMS should solve this problem.

Issue # 1-Limited Entry

- The control date of Nov. 1, 2004 should be approved immediately. All boats gaining licenses after this date were properly warned.
- In addition, there should be a significant history attached to this control date along with compliance to VMS. A 5 year average would provide a fair judgment of boats actively fishing the GC permit. This would provide for boat owners who may have been ill for several years, had boat breakdowns, or any of the many possibilities that could have ill-fated a vessel or family.

Issue # 2-Allocation

- Boats with GC permits that have historically depended upon, have a proven history of active permit usage should be allocated 20%. Without this type of assurance then fishing boats would not be able to maintain there well being, pay their crew, and maintain appropriate insurance coverage for vessel and crew.
- There should be consideration of the approximate 54 days that LA boats fish unrestricted in open waters plus closed areas in addition to their other multispecies permits (which often times are not even used or leased because

they are considered full time scallop boats and do not need the additional income). Their corporations are able to maintain their vessels, insure their vessels, pay and maintain crews. The GC permit was also traditionally created for Chatham and Maine for small boats that fished for 5-6 months in other fisheries. They too need the same right to maintain their vessels, insure their vessels, pay and maintain crews. By increasing the number of GC permits, allowing overfishing, allowing LA boats to fish with a GC permits using and allowing nets to fish for scallops, the purpose of the GC permit has been lost. Many of the boats using the permit now have become full time scallop boats with no other target but scallops using the GC permit. The traditional GC permit holders depended upon 5-6 months of fishing with 70-100 trips. By looking at your statistics, it looks as though GC boats only used an average of 38 trips. The price of Scallops just three years ago was about \$4/lb and was all I was hoping for. I was also dependent upon 5-6 months of fishing with an average of 15-20 trips/month out of Chatham. 38 trips would not sustain the insurance to cover my boat, one man crew, boat payment, and dockage for the 5-6 months of fishing. I think you will find this to be true of most of the Maine boats as well, that scallop in addition to lobster fish.

- To prevent a derby style of fishing created by fleet, area, or season, it would probably be in the best interest for boats to receive individual allocation.

Issue # 3-Dual Application for limited access vessels

- LA vessels should not be allowed to fish under GC permits. Some of these vessels reach 90-100 feet in length. No, this should be stopped immediately.
- No, incidental catch should be thrown back if it is still alive and most of the time it is. Why would there be incidental catch on a LA boat?

Issue # 4-Hard TACS

- Yes, a hard TAC would be effective in preventing overfishing so long as it does not create the derby style fishing created by fleet-wide, area, or season. Criteria should again be based on history and should probably be on an individual basis so that the vessel can choose the best and safest time to fish in coordination with other fishing efforts of the vessel.

Issue # 5-Sectors, DAPS

- A dedicated access privilege is certainly better than derby style fishing. It would of course be good for me since I am based out of Chatham. It provides for the sector to police itself.

Issue # 6-Incidental Scallop Catch

- Both the LA and GC fleets should not land small amounts of scallops. If the boat is targeting another species than throw them back.
- If you are going to provide for incidental catch then make it small so that you are not providing for effort to target scallops.

Issue # 7-Change of Fishing Year

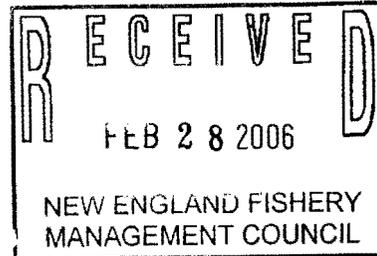
- No

It is very difficult to observe the big boat fleet versus the small boat fleet. I have long term friends from both sides of the street. I have been in this business since the inception of the 200 mile limit and seen shell stocking, thousands of pounds of juvenile fish landed, boats repeatedly go into closed areas, foreign captains and foreign crews that couldn't read the laws let alone speak in English, illegal dumping of millions of gallons of toxins, hauled back barrels and barrels of toxins, seen deformed species near nuclear plants, wonder what all the chlorinated water from the outfalls will create. On the other hand, I have also seen honesty, hard work, sacrifice, respect for the fisheries, respect and concern for the crew and families, respect for the ongoing and preservation of the industry. You have a difficult task indeed. What I think of greatest importance is integrity and honesty from all parties. This is becoming an old man's trade and will remain so unless vessels are allowed to provide an adequate living to the families that are involved. This industry could easily become only a few corporations owning all the vessels which certainly would make your job much easier but would also become the breeding ground for green card holders crewing all the vessels for minimum wages. There would be only a few ports housing the fleet and it would be likely as well that the same corporations that owned the boats also were the fish dealers. Millions of dollars to many ports would now be diverted to trillions going to a few ports. I always question the ultimate goal of the National Marine Fisheries as we all should.

If an adequate living is guaranteed to the license holders in the entire fleet (whether scalloping or fishing) than you will in all likelihood find that the families that will continue the traditions of the fisheries will be educated to follow the laws, offer insights to your sciences (which really do need to have peer reviews, a more precise analysis of the scientific method being used to guide your explanations and predictions, what are additional variables to be considered, your statistical procedure), work in conjunction with all concerned parties, and maintain the fisheries industry for further generations. 200 LA boats 60 million pounds there is plenty for all.

J W COMMERCIAL FISHING INC.

Joseph T. Wagner, Pres.
124 Woodbine Ocean View Rd.
Ocean View, NJ 08230
Phone (609) 624-0848



Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950

February 24, 2006

Re: Scallop Scoping

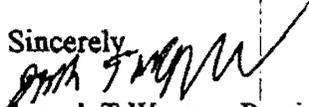
Dear Mr. Howard,

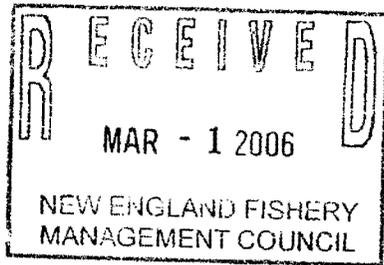
I attended a meeting held at the Cape May County Extension Center in Cape May Court House, New Jersey, the other night. As I listened to the presentation and public comments I have a few concerns.

First, I feel that if the November 1, 2004 control date is going to be used that anyone who held a permit before then whether or not they used them should be entitled to keep their permit. I feel the use it or lose approach is extremely unfair. Lets question that accuracy of reporting. It is common knowledge that people have fabricated receipts and lied on reporting. My question to you is why should someone be rewarded for falsifying reports and someone like me who has not reported landings be penalized for not doing the same?

Secondly, I feel that if the date is changed to allow more individuals in then all General Scallop permit holders who hold a permit in 2006 be allowed in. After all, I received my permit renewal application in the mail approximately 10 days ago. This permit is still open access and can still be obtained by people who apply even today. There are still people gearing up and spending large sums of money to fish the fishery to subsidize income lost elsewhere, myself included.

Finally, I feel that if the general scallop fishery is posing such a problem. Then I feel one way to rectify the situation rather than eliminate any permit holder would be to allow each permit so many days. This way it is a win win situation. It prevents those permit holders from going everyday and the permits not being used are not hurting anything but yet are there to allow flexibility if needed.

Sincerely,

Joseph T Wagner, President



F/V Melanie Lee
John P. Ciliberto
925 Sunset Street
Trainer, Pa. 19061-5221
February 25, 2006

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950

Dear Mr. Howard and Council Members,

The GC Fishery is currently my only source of income. I am still in debt from buying and rerigging my boat for scallop fishery.

I had my permit before, November 2004, but was rerigging the boat until September 2005. This caused me, a huge financial burden.

I think ~~that~~ there should be a clause for this type of situation in your Fishery Management Plan. Because, if I lost my permit,

my crew and myself would be unemployed, and I would probably go bankrupt.

Perhaps other ways of reducing overfishing could be accomplished by dredge size restrictions.

I only pull a single 8' dredge.

Another idea I had is to take away the permits of the people caught in closed areas. Also people that go over the limit. The ones that cheat. This would help reduce some of the pressure in fishing and get rid of the people who cheat.

Also, there are a lot of people who have permits that are not active. They may have a VMS onboard for other fisheries, but do not rely on scalloping to make a living.

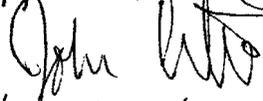
Maybe you could use a combination of qualifying things like a permit before November 2004 and an VMS

onboard with fishing activity.

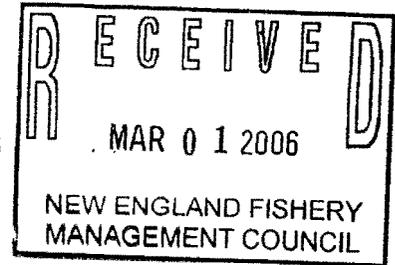
The GC, has also been a big economic boost for the local economy. I hope you will take ~~the~~ my personal and professional concerns and ideas into your consideration.

Most sincerely, and thank you,

John P. Ciliberto


F/V/Melanie Lee

SCALLOP SCOPING - DRAFT COMMENTS March 1, 2006



General Comments

The rationale and basis for the November 1, 2004 control date are not clear in relation to how this control date versus any other control date will control or affect effort and potential over fishing by general category permit holders, and, by extension, how a control date for general category permits will affect potential over fishing by limited access permit holders. Why is a control date not based on the seasons?

It appears that the estimated catch for 2006 will exceed the estimated overall TAC. The documentation and analyses should more clearly outline the TAC and catch for each area and sector and examine the potential and implications of over fishing in 2006 and 2007.

Over fishing cannot be determined for the entire resource or stock. Because of the sectors (limited access and general category) involved and rotational openings of the open and closed areas over fishing can only be determined on a "local" basis. It is not clear from how proposals to control the general category sector will affect overall over fishing or localized over fishing.

Consideration should be given to combining proposed Amendments 11 and 12.

It is difficult to determine at this point how separate consideration of general category and limited access sectors can comprehensively address the overall issue of controlling effort in order to avoid over fishing, given the dominance of landings by limited access vessels.

Changes in the general category permits have the potential to have a substantial economic affect on small fishing communities. These impacts must be carefully examined.

Directed general category vessels should be limited to dredges only.

Issue #1 - Limited Entry

If it determined that control of the general category permits are necessary to prevent over fishing, limited access for general category permits should be a leading consideration based on a control date (justified in relation to effort control and over fishing), landings, and possession of VMS. A control date based on the end of the 2006 season should be included in the DSEIS and compared with the proposed November 2004 control date.

In the consideration of limited access for general category permits, consolidation and stacking of permits should be considered on two bases: (1) permanent

transfer or sale of permits to allow consolidation on fewer vessels, and (2) stacking of permits with an option of stacking to allow more days at sea , or, multiples of trip landings limits.

Issue #2 - Allocation

The basis for allocation should be to achieve the stated purpose of the amendment; to control fishing effort in relation to the potential to cause over fishing. It appears that the primary concern is future (continued) growth of general category permit holders that might contribute to over fishing, rather than a current determination that general category permit landings are causing over fishing. This should be analyzed with consideration to holding general category landings within a limit (e.g. 35% allocation) and the potential to affect over fishing. There is no justification at this time to reduce the catch by general category permit holders. There is probably a practical limit to the continued expansion of general category permits under open access. This should be examined.

If allocations are made to the general category permits the allocations should be equated to days at sea by limited access permits.

Issue #3 - Dual application for limited access vessels

Landings under general category permits held by limited access vessels is relatively small in relation to the direct landings by limited access vessels (less than 1% most years). Consideration should be given to having clear categories of either limited access or general category landings, particularly if limited entry is adopted for general category permits and allocations to general category permits are equated to days at sea. If the TAC is allocated to limited access and general category, the 1% share of the general category catch by limited access vessels can be considered for allocation to limited access.

Issue #4 - Hard TAC's

It is difficult to understand how a hard TAC can be considered for the general category fishery without having a hard TAC for the entire fishery. It seems elementary that a general category hard TAC must be derived from a total hard TAC in order to understand the relationship of effort and over fishing by the general category fishery to over fishing by the entire fleet.

No hard TAC should be allocated to the fishery above 43.00. That area should remain an open access fishery based on a 100 pound landing limit.

Issue #5 - Sectors, DAPs

If dedicated access is implemented for general category permits to prevent over fishing, allowance should be included to form cooperatives and associations to achieve the greatest benefit for the many different classes of general category vessels.

Issue #6 – Incidental scallop catch

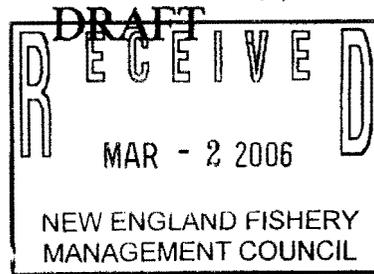
A 100 pound scallop by catch allowances for either vessels targeting other species or for general category vessels in the event a hard TAC is reached should be evaluated. In general, it appears that a 100 pound by catch allowance would have negligible effect on effort or over fishing at the current and anticipated resource levels.

Issue # 7 – Change of Fishing Year

The fishing year should not be changed in this amendment.

Anthony W. Watson
F/V Kellie Ann
8041 Ironshire Station Rd.
Berlin, MD 21811
(H) 410-641-3295
(cell) 410-726-1317

New England Fishery Management Council
 Scallop Management / General Scallop
 50 Water Street
 The Tannery Mill - 2
 Newbury Port MA 01950



Dear Sir,

As a scallop advisor I request print out of VMS scallop tow tracts for limited access vessels on days at sea be made available. To aiding the general scallop category discussion; VMS Towing tracts for Vessels engaged in day scalloping (based on vessel trip reports.)

(IT IS REQUESTED THAT THE TOWED AREA BE TO SCALE) (i.e.. the lines on the map represent the actual area towed to scale.)

THE REASON: After viewing where the Limited Access scallop Vessels tow for scallops when on open area days. It will be possible to draw a line along the coast to allow General Scalloping West of the Line; Limited Access scalloping East of the line.

This line will have East & West quarter or half mile no scallop zones, from the delineated line. Every fifth year the quarter or half mile no scallop zone will be removed to allow harvest by both sectors to the actual line.

In theory this action will allow general scalloping in the resource area closest to shore which is not traditionally worked by limited access scallopers. (VTS data will show historic open area used days; area actually used by limited access scallopers.)

Management with this method would allow partial utilization of a portion of the thirty to forty million pounds of scallops currently dying of senescence & predators (old age or size to large to move from predators(starfish)) per year due to lack of harvest. (lack or resource utilization, WASTE OF THE RESOURCE! can be addressed through general scalloping.

Resource variation from cycles could be compensated by moving the line East or West through management frame work or amendment. General Category access to managed areas (closed to allow grow out) would be allowed on the western portion of the managed areas when opened by drawing the same type general category harvest line. Dredges Vs Nets should not be an issue as the 400# price will control size harvested. Shell stock general Category scallops have additional value of roe. (Roe on scallops should be addressed as an addition to the allowed 400# (vessel landing roe on scallops could land 500# per day (25%) Full time vessels from closed areas could land 18,000# plus (25% roe) from closed areas without PSP. (Issue for Elephant trunk area when open.) Control date for new vessels should be moved to 2006!

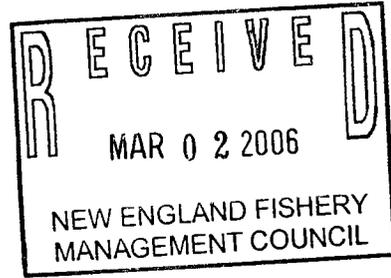
Number of general Category VMS vessels should be made available.

James Fletcher
 James Fletcher 123 Apple Rd Manns Harbor NC 27953 252 473 3287 cell 757-435
 8475

02-13-06

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:52 PM
To: Deirdre Boelke
Subject: [Fwd: comment on general cat.]



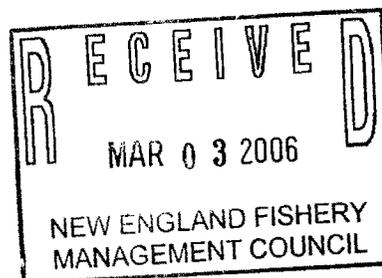
----- Original Message -----

Subject: comment on general cat.
Date: Thu, 02 Mar 2006 23:28:37 -0500
From: Jo Lundvall <lundvall17@msn.com>
To: Scallopscoping@noaa.gov

Dear sirs: My name is Eric Lundvall , I own th e F/V Rayna & Kerstin .
I am a fishing industry veteran of 25 years from Barnegat Light , New Jersey. I am a
current participant in the general category scallop fishery and have been well before
the control date of November 1, 2004. I urge you to adhere to the control date for the
gen. cat. fishery and adopt a limited access permit for participants involved prior to the
date. I belive qualifying criteria should include a solid landing history of at least
20,000 lbs. of shucked scallop meats prior to the control date. Please do not let the
same mistakes be made in other recent limited access fishery qualifications(example
monkfish) where vessels qualified through loop holes such as providing reciepts for
equipment or retrofitting prior to the control date. I find
it unbelievable , the amount of vessels blatently rigging up to go scallop day fishing to
this day just in Barnegat Light with out ever
landing a scallop prior to the control date. I believe limited access
vessel should also qualify to continue to participate in the general category fishery,
as long as they participated in the gen.cat. fishery prior to the control date and had
to provide the same qualifying
landing criteria. Thank you in advance for reviewing my opinion. Eric
L.Lundvall 400 Wood St. Little Egg Harbor NJ 08087 ph# 609-618-5360

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:52 PM
To: Deirdre Boelke
Subject: [Fwd: scoping comments]



----- Original Message -----

Subject: scoping comments
Date: Fri, 03 Mar 2006 05:35:41 -0800 (PST)
From: Joe Smith <cbass1246@yahoo.com>
To: ScallopScoping@noaa.gov

1 I would support limited entry as long as there are input controls in place to deter businesses from buying up all the permits. Boat size, dredge size, OWNER OPERATOR, will keep this fishery in the hands of fisherman, and allow young guys a chance.

2 Two points to factor into the allocation formula. 1 this all goes back to amendment 4 which took 3-4 years to be completed. Well the government scientists and regulators were telling us during that whole time that the resource was IN TROUBLE so anyone who listen or saw with their own eyes, and did something different is not accounted for in your statistics. The government never said keep on fishing or you will be eliminated when the stocks recover. 2 Check your survey results for 88-94 and you will see that the inshore resource was over fished first and hardest. A lot of day boats were squeezed out by the trip boat fleets irresponsible actions. They would stop there on the way out and come back in when the wind blew, towing all the time. WITH PROPER MANAGEMENT THE RECENT LANDING LEVELS ARE WHAT WE SHOULD HAVE BEEN ENJOYING ALL ALONG.

3 A day boat should be a day boat, eliminate the 80 footers

4 Hard Tactics will lead to derby fishing which has proven time and time again to be DEADLY.

5 Individual quotas seem like the safest and most easily enforced system.

6 keep it at 40 pounds

7 Go by the best available science.

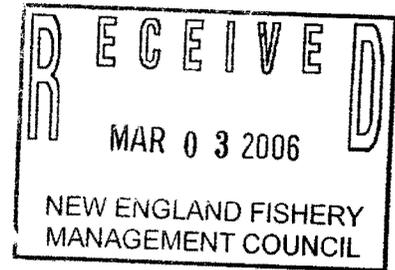
Thank
you Capt. Joe Smith F/V ALISON LEE

Do You Yahoo!?

Tired of spam? Yahoo! Mail has the best spam protection around <http://mail.yahoo.com>

Mid Atlantic General Category Scallop Alliance

**1142 Hudson Road
Cambridge MD 21613
Phone 410 376 3200
Fax 410 376 2135**



March 3, 2006

Re: General Comments on General Category Scallop Scoping

The rationale and basis for the November 1, 2004 control date are not clear in relation to how this control date versus any other control date will control or affect effort and potential over fishing by general category permit holders, and, by extension, how a control date for general category permits will affect potential over fishing by limited access permit holders. Why is a control date not based on the seasons?

It appears that the estimated catch for 2006 will exceed the estimated overall TAC. The documentation and analyses should more clearly outline the TAC and catch for each area and sector and examine the potential and implications of over fishing in 2006 and 2007.

Over fishing cannot be determined for the entire resource or stock. Because of the sectors (limited access and general category) involved and rotational openings of the open and closed areas over fishing can only be determined on a "local" basis. It is not clear from how proposals to control the general category sector will affect overall over fishing or localized over fishing.

Consideration should be given to combining proposed Amendments 11 and 12. It is difficult to determine at this point how separate consideration of general category and limited access sectors can comprehensively address the overall issue of controlling effort in order to avoid over fishing, given the dominance of landings by limited access vessels.

Changes in the general category permits have the potential to have a substantial economic affect on small fishing communities. These impacts must be carefully examined.

Directed general category vessels should be limited to dredges only.

Issue #1 – Limited Entry

If it determined that control of the general category permits are necessary to prevent over fishing, limited access for general category permits should be a leading consideration based on a control date (justified in relation to effort control and over fishing), landings, and possession of VMS. A control date based on the end of the 2006 season should be included in the DSEIS and compared with the proposed November 2004 control date.

In the consideration of limited access for general category permits, consolidation and stacking of permits should be considered on two bases: (1) permanent transfer or sale of permits to allow consolidation on fewer vessels, and (2) stacking of permits with an option of stacking to allow more days at sea, or, multiples of trip landings limits.

Issue #2 – Allocation

The basis for allocation should be to achieve the stated purpose of the amendment; to control fishing effort in relation to the potential to cause over fishing. It appears that the primary concern is future (continued) growth of general category permit holders that might contribute to over fishing, rather than a current determination that general category permit landings are causing over fishing. This should be analyzed with consideration to holding general category landings within a limit (e.g. 35% allocation) and the potential to affect over fishing. There is no justification at this time to reduce the catch by general category permit holders. There is probably a practical limit to the continued expansion of general category permits under open access. This should be examined.

If allocations are made to the general category permits the allocations should be equated to days at sea by limited access permits.

Issue #3 – Dual application for limited access vessels

Landings under general category permits held by limited access vessels is relatively small in relation to the direct landings by limited access vessels (less than 1% most years). Consideration should be given to having clear categories of either limited access or general category landings, particularly if limited entry is adopted for general category permits and allocations to general category permits are equated to days at sea. If the TAC is allocated to limited access and general category, the 1% share of the general category catch by limited access vessels can be considered for allocation to limited access.

Issue #4 – Hard TAC's

It is difficult to understand how a hard TAC can be considered for the general category fishery without having a hard TAC for the entire fishery. It seems elementary that a general category hard TAC must be derived from a total hard TAC in order to understand the relationship of effort and over fishing by the general category fishery to over fishing by the entire fleet.

No hard TAC should be allocated to the fishery above 43.00. That area should remain an open access fishery based on a 100 pound landing limit.

Issue #5 – Sectors, DAPs

If dedicated access is implemented for general category permits to prevent over fishing, allowance should be included to form cooperatives and associations to achieve the greatest benefit for the many different classes of general category vessels.

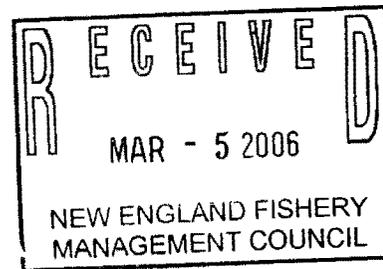
Issue #6 – Incidental scallop catch

A 100-pound scallop by catch allowances for either vessels targeting other species or for general category vessels in the event a hard TAC is reached should be evaluated. In general, it appears that a 100-pound by catch allowance would have negligible effect on effort or over fishing at the current and anticipated resource levels.

Issue # 7 – Change of Fishing Year

The fishing year should not be changed in this amendment.

David H. Wallace
For
MAGCSA



March 5, 2006

Dear Sirs,

Please consider my views regarding the seven points for opinion within the scallop scoping document.

1. Limited entry should be considered to curtail the growing number of General Scallop Category participants. However, those who have made financial commitments should be considered. Would you consider allowing those who committed to VMS purchase? It is clear their intent was to continue scalloping. Any level of landing would show their participation and should suffice the issue. It would be contrary to repeated NEFMC and NMFS literature that strongly emphasizes the existing General Scallop Category was established for limited harvesting and consequently requires a high level of landings to qualify for the license. To require a high level of landings would reward those who abused the category for it's original purpose and punish those of us who occasionally use it to fill gaps and work part time in that respect as intended.
2. Allocation should be evenly distributed between qualified participants but should be transferable in 1000 lb. increments to assure the maximum harvestable levels.
3. General Category licenses should not be allowed to be possessed by those boats who already harvest scallops under another license.
4. TAC should be for individuals not for sectors or industry.
5. We should not use TAC for sectors since most vessels are small and impractical for port changing.
6. Incidental catch should be allowed an expected level.
7. Fishing year should begin August 1 when the weather has settled down, not in winter when the seas are rough.

Gear should be limited to dredges no bigger than 10.5 foot to standardize equipment and harvest methods.

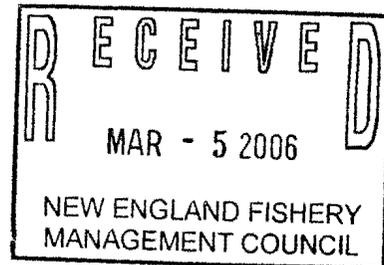
Each state should have a minimum number of eligible participants to assure all states have some representation in the industry. Based on historical port landings, not on state of ownership as some boats are incorporated in one state but land in many others. Delaware fisherman should have at least 10 eligible participants to assure safety to those returning to the same port.

Under NO circumstances should a derby type atmosphere be encouraged as this will surely result in men lost at sea when fishing in rough water while they should be at the dock. They may be afraid they will miss allocation if they don't fish as often as possible before the TAC is reached. The fishermen should be able to fill their allocation at their own discretion not pressured by derby fishing.

Ray G. Trout Jr.
F/V Emily Jayne
Lewes, Delaware
302-745-1793
PO Box 637
Lewes, DE 19958

Deirdre Boelke

From: Scalloscoping [Scalloscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:57 PM
To: Deirdre Boelke
Subject: [Fwd: my comments to the council]



----- Original Message -----
Subject: my comments to the council
Date: Sun, 05 Mar 2006 17:29:02 -0800 (PST)
From: jack stormy <stormyseasllc@yahoo.com>
To: Scalloscoping@noaa.gov

To: Paul Howard

My name is Jimmy Hahn, I am 34 years old. I'm not a millionaire. I did not have a permit handed down from my family, I could not afford a boat when permits most limited access permits were given out. I currently purchased a 43' day scalloper that sails out of Ocean City Maryland, I currently hold every open access permit available from the NMFS including the general category scallop permit which I received after November 2004. I started scalloping in June of 2004, after spending over \$ 45,000.00 rigging my boat. Since June of 2004 I have made over 100 trips, In November of 2005 I purchased a Sky mate system per the NMFS to continue Scalloping. I have done everything to comply with the rules set by the NMFS. THIS IS MY LIVELY HOOD.

I believe the Council should use the controls that are in place now and not used the control date of Nov 2004. The VMS have lower the numbers of permits from 2700 to just over 835 That's almost a 70% decrease in effort. Next I think in order to hold a VMS permit you must have at least 30 days or 5000 pounds landed in a year. This would get rid of all the permit holders who do not plan to scallop but are waiting to sell their permits for big money.

I believe the allocations should be a little fairer. General Category boat only land 12% for over 2700+ permits, Limited Access boat land 88% for 300+ permits. How is that fair. Even if you use the VMS permits that's still 835 to 300. I don't think it needs to be 50% - 50% just a little closer in numbers. Since Limited Access can fish in both fisheries.

I believe the boats should either be Limited Access or General Category. NOT BOTH. The Limited Access are allowed now to catch over 87% TAC that's enough. Boats fishing in the General Category should not be able to fish with nets or a dredge over 10' 6".

I believe a hard TAC should be put in place for the entire east coast since most boats travel to find the scallops, not state quotes.

I believe that the scallop industry should be the first to implement a drug testing for the captains and crews if either test positive, the boat lose it permits. This would clean up and fishery loaded with drugs.

In closing by using the date of Nov 2004 for a cutoff date, you will make me spend an additional \$40,000. to \$100,000 for a permit to continue scalloping. I was not old enough to receive a Limited Access permit and do not have the money to purchase a permit. The General Category is my only way of scalloping. The scallops with the closed areas and proper regulations is a unlimited resource. I hope that you do not take my only way of making a living on the ocean.

Thanks
Jimmy Hahn
410 310 4296

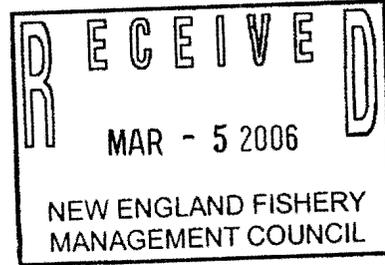
Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:57 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11 Scoping Comments]

----- Original Message -----

Subject: Atlantic Sea Scallop Amendment 11 Scoping Comments
Date: Sun, 05 Mar 2006 22:14:44 -0500
From: missrockville@adelphia.net
To: ScallopScoping@noaa.gov

Andy Keese
F/V Miss Rockville
Chatham Harbor, MA



Dear Council Members,

My name is Andy Keese. I am the owner-operator of the F/V Miss Rockville. I have listed my comments below pertaining amendment 11.

1. Owner-operators can only obtain a general category permit. This will keep the fisherman owning the fishery.

2. A size limit on vessels. This would help to prevent over fishing. Larger vessels can fish many more inclement days than smaller vessels. Weather would be a natural restriction on fishing time.

3. An eight foot dredge size limit for general category participants. Smaller dredges would be beneficial for the habitat and also slow down overfishing.

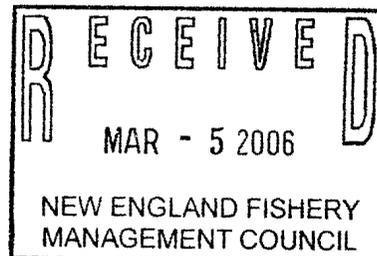
Thank-You.

Sincerely,

Andy Keese

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:57 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11]



----- Original Message -----
Subject: Atlantic Sea Scallop Amendment 11
Date: Sun, 05 Mar 2006 23:22:17 -0500
From: scallopt@bellsouth.net
To: Scallopscoping@noaa.gov

Dear Council members; Thank you for allowing me to voice my comments concerning the general scallop fisheries.

#1; Limited Entry- I would like to see limited entry implemented. My reason being pure economics for the vessels that qualify. To many vessels and no one survives. I know the council has and will continue to protect the fisheries. That is your job and my job is to try and stay profitable and give the consumer a very safe and healthy product. I would like the qualifying criteria to be based on the beginning of the 2005 fishing year (April) and also with the VMS installed by the allotted time established by the council. In other words if you were issued a permit by or before April 2005 and you installed a VMS on your vessel then you would qualify for a limited general category permit. I do not have enough info on the affects of the fishing communities. I do not know enough about the NE region, such as, the location of commercial docks that are left nor the location of the fishing grounds in respect to the docks. I do know that so far I haven't been

able to find a single dock north of Cape May, NJ that will allow my vessel to pack out. As for as fishing communities being impacted by anything the fishery councils do is a myth in today's world because there aren't any fishing communities south of Long Island left. They have been replaced by condos. #

2-Allocation; I am in favor of specific limits fishery wide. This way a permitted vessel will have the option to either stay or move to a more profitable area.

#3-Dual Application; I would like to see the limited Access vessel not be allowed to hold both permits. I can not understand why a LA vessel owner would consider a GC permit in the first place. These vessels, as you know, make a lot of money in a short time thanks to the hard work of the council in their fishery management. They have very little expense in their operation either in fuel

or wear and tear of their equipment. The GC vessels on the other hand have an enormous amount of expense coming in and out everyday. In the mid-atlantic region we steam an average of 60 miles each way to the fishing grounds and dock. The wear and tear on our equipment is astronomical and the amount of fuel used is STAGGERING. I can not see any impact on the LA permit vessel if they are not allowed to hold both permits. Without the catch data on the LA vessels while they were fishing for other species I can not say what would be a fair landing of scallops.

#4-Use of Hard TAC's; I am in favor of a hard TAC if and only if a limited entry is established. I think if a hard TAC and limited entry together were established there would never be a hard TAC limit caught in the general category fishery. The general category fishery is basically a May thru August fishery. My vessel fished this fall and winter

in the mid-atlantic region and was only able to fish 58 days from Sept. thru Jan. 2006. This was a mild fall and winter compared to other years otherwise I would not have fished that much.

#5-Use of DAP's; I do not understand anything about DAP's and how they work.

#6-Landings of incidental scallop catch; This is a very hard question for someone like myself to answer since I do not know what other fisheries would allow you to catch scallops as a by catch.

#7-Fishing year; I think the only people that can answer this question is the data collector and processors of the info.

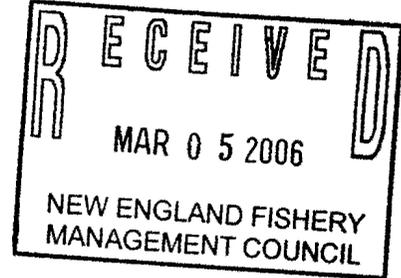
Once again thank you for your time. I hope some of it is not all

of the above makes sense.

Thomas Brown owner F/V Jordan's

Deirdre Boelke

From: Scallopscoping [Scallopscoping@noaa.gov]
Sent: Monday, March 06, 2006 2:56 PM
To: Deirdre Boelke
Subject: [Fwd: Re: Fwd: GC scallop comment]



----- Original Message -----
Subject: Re: Fwd: GC scallop comment
Date: Sun, 05 Mar 2006 06:49:42 -0800 (PST)
From: Jim Brindley <brindley4@yahoo.com>
To: Scallopscoping@noaa.gov

don, COMMENT FOR GC SCALLOP SCOPING DOCUMENT

- Issue #1- support control date.
- Issue #2- support 5.8% for calculating GC share of projected landings.
 - allocate DAS on individual basis.
- (based on vessels best year (2000-2004) issue#3-allow dual application for LA vessels.

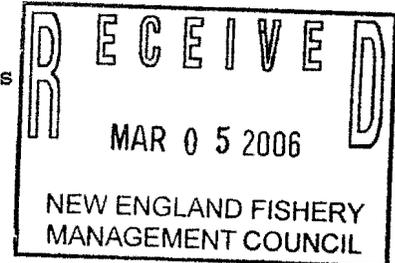
Jim Brindley

Yahoo! Mail
Use Photomail
<http://us.rd.yahoo.com/mail_us/taglines/pmail2/*http://photomail.mail.yahoo.com>
to share photos without annoying attachments.

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:56 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11 Scoping Comments]

----- Original Message -----
Subject: Atlantic Sea Scallop Amendment 11 Scoping Comments
Date: Sun, 05 Mar 2006 17:19:57 -0500 (EST)
From: Lfooks@aol.com
To: ScallopScoping@noaa.gov
CC: Lfooks@aol.com



Council Members;

I am writing to express my concern about the new regulations to general category permit holders. I have a gen-cat permit with vms.

My main concern is that the limited access permit holders are harvesting more scallops percentage wise than the gen-cat permit holders.

When I got my permit I was expecting to be able to work for myself and in so doing mortgaged everything to buy a boat and have it rigged for day scalloping. Should the council decide to severely limit or rescind my permit I will have to file bankruptcy and lose the home I grew up in.

I realize that management of the scallop harvest is necessary, therefore, I would suggest making scallop permits a closed entry .

Also, I would propose that permit holders not engaged in the harvesting of scallops be rescinded.

I disagree with the limited access permit holders who at the Cape May, NJ meeting wanted the Nov. 04 date to be utilized.

I was in the process of rigging my boat when the Nov 04 date was first mentioned.

I, of course, am only one voice but the economic impact of an average of 3 men per boat with families losing their only source of income will be devastating.

Also, as I mentioned at the meeting, the owners of limited access permits own more than one vessel, some as many as 15-20 with each boat stocking 2-3 million dollars per year. I'm struggling just to pay for my boat and household bills, as are most of the gen-cat permit holders I know.

As for Danny Cohen's comment that the cutoff date should be sooner than later, he wants no competition from the day scallopers when the elephant trunk opens.

If you subtract the permit holders not using them, and not allow vessels engaged in other fisheries {i.e. clamming, quahogging etc.} to catch 400 Lbs. a day, you would then have a better basis to pose a hard tac on the general category permit fleet.

Sincerely,

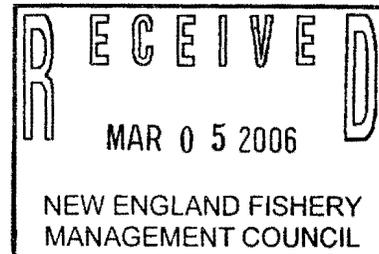
William Albert Fooks

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:55 PM
To: Deirdre Boelke
Subject: [Fwd: Opinions on amendent 11]

----- Original Message -----

Subject: Opinions on amendent 11
Date: Sun, 05 Mar 2006 22:49:13 +0000
From: johnmborden@comcast.net
To: ScallopScoping@noaa.gov (Fishery Management Council)



To: The Scallop Scoping Committee

I am the owner of two general scallop permitted fishing vessels: one is exclusively a scallop dragger and other is a vessel with a ground fish and lobster permit. Currently, they are both actively engaged in the scallop fishery.

Over 30 years, I have been a successful commercial fisherman by being both flexible and diversified. I have owned and operated both large offshore vessels and smaller day boats.

My comments on the seven issues are as follows.

Issue #1: On limited entry, the use of the control date will be effective in halting expansion and reduce the pressure on the resource. However, if this is coupled with landing history it will not be reasonable because some vessels have had to bounce around to make ends meet. Just having a permit prior to the control date should be sufficient to halt any expansion which appears to be your goal.

If landings are an issue, you should consider the vessels that have made the effort to be in compliance by purchasing/installing a VMS and not penalize them for the lack of landings prior to the control date.

Issue #2: Regarding separation of allocation, limited access vs. general, this is primarily a small boat fishery in New England. Limited access boats, on the other hand, are larger and have ten times the capability than general boats. This is not a logical comparison. I believe they should be separate based on the percentage of general vs. limited access participants.

Issue #3: I don't believe that limited access vessels need to consider utilizing the fishery under a general category permit after they have exhausted their days at sea allocation. They are successful enough without it and if the resource is over fished this would not help the situation. TAC is another way to complicate the process as well as eliminate the independent fisherman. The majority of general category boats are independent owner/operators.

Issue #4: As far as sectors, this is tough because there have been recent increases in both landings and effort in the southern areas, i.e. New Jersey to Virginia. If you allow them more TAC you will be rewarding them for their effort and also stimulating the over fishing and "cheating" that is occurring in that area.

Issue #5: Time windows are also tough for us in a New England fleet because we fish primarily smaller boats and sometimes have to travel further than the southern fisherman. We can only take advantage of small windows of weather and those never coincide with anyone's schedule.

Issue #6: Incidental landings should be allowed. There is far too much waste in the

industry already. I wish the fishery managers or the public was a little more aware of this problem. It would be an insult not to let a fisherman take home a meal. He has earned it.

Issue #7: The fishing years should stay the same. Changing it would give the regulators more to do to get this situation resolved.

Sincerely,

John M. Borden

Owner/Operator, F/V Mary Baker

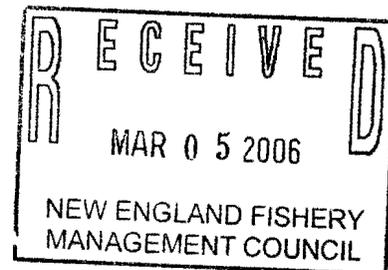
10 Charles Hill Road

Kittery Point ME 03905

207.439.6227

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Monday, March 06, 2006 2:55 PM
To: Deirdre Boelke
Subject: [Fwd: Opinons on amendent 11]



----- Original Message -----
Subject: Opinons on amendent 11
Date: Sun, 05 Mar 2006 22:50:55 +0000
From: johnmborden@comcast.net
To: ScallopScoping@noaa.gov (Fishery Management Council)

To Scallop Scoping Committee:

I grew up in the New Bedford area and spent most of my life, for over 40 years, in the scallop industry. Currently, I am the captain of a general category scallop permit boat, however, I have been on both sides, big boats and small boats. Enclosed are my personal opinions and comments on your plans to control the fishery which seems to eventually phase out the active general scallop fishery.

Issue #1

It is my understanding that anyone who received a general scallop permit after November 1, 2004 did so with the understanding that it may not be valid in the future. I can live with that.

I don't think that the amount of scallops landed is as important as the fact that they were in the fishery before the control date. The communities most affected would be, as always, the small boats that live from stock check to stock check.

--

Issue #2

The allocations between general and limited access permits should be determined by the number of active permits in each category. For example, if there are 2500 general permits and 400 limited access permits, I would hope that at least 25% of the allocation would go to the general category, especially since limited access fishermen can become general access anytime they wish.

Issue #3

In the near future the limited access boats are due to receive an increase in their "days at sea". I would hope that they will no longer need to jump into the general category to survive.

Issue #4

At this time I believe that TACs would not be necessary due to the fact that boats who had to enter general category should be able to return to their fishery as their "days at sea" numbers return. These are both limited access boats as well as the "multi species" dragners. I believe we should all learn a valuable lesson about individual allocations from what happened to the Sea Clam fishery.

--

Issue #5

The general scallop fishery is made up of mostly independent individuals who work as they see fit. You would be hard pressed to find two of us who would agree on much of anything at all. Forcing us into formal groups, I think, would be courting disaster.

Issue #6

It is my opinion that other fisheries should be allowed to bring home a 50 lb. "bag" to eat" bycatch.

Issue #7

March 1 seems as good as any time to start a fishery year. It would not make sense to start it later, when scallops to spawn.

When I look out at the boats in the general scallop fishery, I see many 60-90 ft. boats that had to become general category scallop boats. It is my opinion that this is the reason for the increase in general scallop landings.

Hoping for a future,

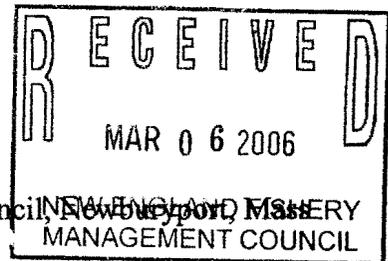
Dennis Williams

Captain F/V Intrepid

10 Charles Hill Road, Apt 1

Kittery Point, ME 03905

207.475.5302



Date: 6 March 2006

To: Scallop Committee, New England Fishery Management Council, Newburyport, Mass

From: Richard Taylor, www.seascallop.com, Box 7002, Gloucester, Mass rtaylor@cove.com

Subject: Comments submitted for the Scoping Process of Scallop Amendment 11

Background comments -- Whose scallops are these anyway?

The Council staff has done a good job in refining the short list of seven issues during the beginning of this scoping process for Amendment 11 to the Scallop Fishery Management Plan, especially so given the restrictive guidelines imposed by the Executive Committee on the issues that may be considered. Realizing fully that we have continually postponed addressing many of these issues, and that timely action is needed at this point, the delay has served to allow the benefits of area management to be seen by all concerned, and to think about how we manage the participants in this fishery going forward. The best news is that integrated within the document are questions that give opportunity to address some of these larger issues confronting us after seeing the rapid rebound of scallop populations possible using a more enlightened management strategy in the Atlantic scallop fishery such as we have witnessed these past few years.

With more effective management landings have grown to double the previous 30 years landings average, this with approximately 50% of the dredge time on bottom, and with a significant fraction of the traditional scallop production areas currently unavailable to the scallop fleet due to groundfish concerns. This situation has occurred while we have been hobbled by partial adherence to the Days At Sea equilibration to pounds. I believe that if we are careful biomass can continue to grow. Built into Amendment 10 is the concept of monitoring biomass in areas and then restricting catch to a small fraction that not only let's the remaining biomass grow to its former level but beyond it in succeeding years. Additional benefits are gained by having large numbers of adult spawners in close proximity each and every year producing an increasing amount of seed.

The core of my concern is that this is a renewable resource and we are handling it as if it were a perpetual corporate asset, first for the ~300 vessels identified in the initial qualification period 1985-1990, and now again for the nearly 3000 participants in the general category sector, based entirely on the timing of the birth of each permit holder. While identification of qualifying participants, and limits on effort, along with other changes, were mandatory in order to begin rebuilding the fishery, I find it difficult believe that the New England Fishery Management Council has a stated objective to ensconce a limited number of citizens with perpetual rights to the entire future biomass of the scallop resource, especially so in light of the continuing necessity of significant annual federal expenditures for continued assessment and management of this public resource. In my opinion that we should not let this happen, any more than we should bequeath the current commercial charter recreational fishing operators with perpetual rights to the cod, haddock or tuna resource.

Almost without exception each and every permit holder in the Limited Access DAS fleet served his time on deck, worked his way up to the wheelhouse, and then to an ownership position. At this time I estimate 50 to 75% of the current owners are ashore with a new generation of skippers

running their vessels. Given their age most of the remaining owner/operators will, in perhaps in as little as 10 years, come ashore as well, and almost all DAS vessels will be run by skippers that have no direct stake in the fishery. My question is: is this what we had in mind when we signed on to the Law of the Sea and began the Fishery Management Council process? A fleet of sharecroppers with no chance, short of winning the lottery, of ever sharing in the larger bounty brought on by effective management.

Central to all but the last scoping item (related to timing of the fishing year) in Amendment 11 are the concepts of allocation and percentage of catch effectively earmarked for certain permit categories and sectors. None of us would tolerate the idea that the first 300, (or the first 3000 to extend the analogy to the current general category discussion), settlers on this land had perpetual rights to cut down all the oak trees because they happened to be the ones that over-harvested the existing trees enough that government had to step in and regulate the harvest of oak trees. Even more onerous is the idea so that the permits to harvest trees might be passed down through generations as a family or corporate asset. This is exactly why the colonial citizens sought to throw off the British. We should not forget that lesson. Permits should expire with the permit holder and return to a common pool, so that succeeding generations of fishermen from ports that have been here for almost 400 years have access to these renewable resources. Left to exchange based on access to money these permits will flow toward corporations without a continuing stake in the fisheries, or the communities these fisheries help support.

Point by point comments to specific issues in the scoping document

1) Limited entry in the general category fishery

In the near term identification of the participants is critical, in the longer run we need to address future generations (and lest we think this is far into the future, implementation of a control date effectively establishes a new generation, as was the original Limited Access permit control dates). If we look closely at the data generated to date in the Scallop Plan Development meetings less than 100 vessels are responsible for the 75% of the landings and that has primarily been in one area in the Mid Atlantic. This situation would not have arisen if this area had been effectively surveyed, the biomass estimated, and landings controlled by maintaining the Fishing mortality at levels the .2 to .3 level as in the other managed areas. The situation points up the necessity of obtaining timely data. In particular, the General Category VTR data was withheld from the public for 5 years, while everyone on the docks in New Jersey watched them fill up with vessels.

2) Allocation between the limited and general category fleets

With the exception of the entirely arbitrary 2% TAC for the General Category from the Closed Areas this issue has been given little direct focus to date. I estimate the first 100 million pounds from these closed areas accrued solely to the Limited Access fleet. We must address this imbalance in this amendment. Dedicated inshore areas for General Category, managed under the rules established in Amendment 10, are one suggested method given the growth of the sector.

Tied directly to this issue is that there are different rules for vessels in different areas. I believe that local control is a primary goal, the implication is that then vessels are no longer free to move out of their local area.

A third issue within this item is that almost the entire Gulf of Maine is currently lost to the scallop fishery due to groundfish concerns. It is current (with the exception of the SMAST video survey on Stellwagen) a enormous wildcard in the biomass equation that must be addressed in this Amendment 11. This is a necessary item for future TAC Set Aside reseach funding.

3) Dual application for limited access vessels

Most Limited Access vessels have too far to steam to make it economically possible to participate in the General Category fishery even if they were interested in doing so. The result is that most are not in a position to use both permits. Additionally examination of the data provided to date reveals that this amount of scallops is not why we are having this Amendment. The only reason to go down this road is some perception of fairness of access, however solving this problem doesn't change the larger problem.

4) Use of hard TACs in the general category fishery (fleetwide, by area, season, sector or on an individual basis)

Fishery regulations should attempt to treat all participants with the same methods. As our assessment and landings tracking methods improve we will be in better shape to shift the entire fishery to TAC based on area, as we currently manage the Closed Area and Scallop Growout Areas fisheries. The remainder of the fleet fishing under DAS is not on a TAC, though this needs to be addressed as well.

5) Use of sectors and harvesting coops (Dedicated Access Privileges)

These are tremendously important long term issues as we move toward quota based fishery, the draggers will always have a bycatch of scallop, and we must begin here in this Amendment. I believe that adoption of community quota would help to preserve perpetual access to the scallop resource for historical fishing communities.

6) Landings of incidental scallop catch

This issue is rolled into the last (#5) and must be dealt with in this Amendment.

7) Change the fishing year

While on the surface of it the integration of survey data in the most timely manner is a critical issue, shifting the year forward to the fall starts off the vessels with the worst product in the worst weathers. Moving it back to January is less onerous but apparently not going to solve the data problem. I have yet to be convinced that changing the date will help us more than it hurts us.

Other items suggested for inclusion in Amendment 11

Nowhere have done the basic drill to have the General Category in what ever form or percentage operate under the provisions of our current management plan, Amendment 10, the plan that has essentially codified the use of closed rorational areas. This is central to long term success. Also we have not integrated the General Category into helping to provide the research necessary for improving their own management. This item needs addressing this time around as well.

Richard Taylor
www.seascallop.com
rtaylor@cove.com

Monday, March 06, 2006

I am writing this email to state my position on the general category scallop fishery for the development of Amendment 11. As a participant in the limited access fishery I feel due to the drastic increases in the general category fishery has contributed to scallops being over fished.

1) Limited entry in the general category fishery

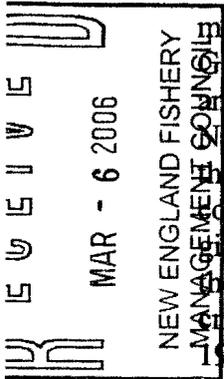
The first action the council needs to be considered is to use limited access to manage capacity in the general category fishery. I feel by using limited access to control GC you would be able to have a considerable amount of control on how many vessels and pounds to be landed and not just a wide open fishery as it is right now. The November 1, 2004 control date is a start on the qualifying criteria for limited access, but there is a enormous amount of vessels before that date and it will be a permit battle on the control date, when it should be on landings. I know that Limited Access fisherman were given the full-time, part-time and occasionally fishery standings due there participation in the fishery from 1985 to 1990. The council should take this approach and use a similar criteria based procedure of landings in pounds and trips landed from a date of 1994 to 1999. I pick this end date because that is when the Limited Access fisherman were seeing a abundance of scallops and GC fisherman weren't heavily participating in the fishery.

2) Allocation between the limited and general category fleets

The second action that the council is considering about the allocation between the limited and general category fleets is not fair or correct to the limited access fisherman. In the table on page 4 of the scoping document it dates back to 1994 when Limited Access were put upon DAS restrictions, which was a hard take then, but now know the fishery is substantially improved with record landings and minimum catch efforts due to the DAS, closed areas, and crew restrictions. The table states the efforts of each category, but the information that should be considered is that of the GC landings what else was landed with those scallop landings. Since the GC fishery was established to accommodate scallop by catch on fishing trips for other species, the council should consider using a criteria of what percent were targeting other species and what percent were targeting scallops in the GC fishery. By using this procedure you would be allocating of who and how many pounds were landed under each section of the general category. This would allocate a fair and equitable division of the fishery to find out who was directly fishing for scallops and who was using the general category for its original cause. I feel a major contribution to having a general category fishery now and for the past few years was due to the hardships the Limited Access Fisherman endured and not the general category direct fisherman of today.

3) Dual application for limited access vessels

The third action council should take into account is about whether a limited access should bear both a limited access and general category permits. Limited Access vessels should not be prohibited from targeting scallops under general category rules but should endure some guide lines in the fishery. Table 1 of the scoping document states that limited access vessels landed 0.70% in 2005 and an average of 0.54% since 1994 which is not a considerable amount of landings but those landing provide a positive economical impact for the vessels. One of the main reason I feel that Limited Access vessels should participate under general category rules is that many captains are getting older and by allowing to be a participant under general category rules it allows younger prospects of the scallop industry to operate the vessel and learn how to catch scallops so there can be a



Monday, March 06, 2006

new era of fisherman in the scallop fishery. Another reason I feel that limited access vessels should be able to participate is that with the opening of closed areas on Georges Bank and Nantucket in the recent years many vessels are steaming from the mid Atlantic states a day and a half to get to the ports to where they will be fishing while fishing these closed area trips, by allowing to harvest the allowable 400 lbs. of scallops it enables to put that towards the current price of fuel of 2.20 per gallon. By not allowing Limited Access vessels to participate at all is very detrimental, but I do feel there should be a certain percentage of allocation for this part of the fishery. I believe that limited access vessels should always be allowed to fish under general category rules and if not the impacts for not allowing participation are going to be substantially negative for the stated reasons.

4) Use of hard TACs in the general category fishery

In the forth action of using hard TACs in the general category fishery by fleetwide, by area, season, sector or on an individual basis will have many outcomes upon each action. A hard TAC of scallops in the general category fishery would be the best and most effective way of managing this Day Fishing. The council needs to consider on a individual bases of how many trips and many pounds of scallops were legally landed from a time line of 1994 to 1999. A key part of data that should be taken into account is what other types of species on how many pounds were reported in that time line on there Fishing Vessel Trip Report. This would allow to see who landed and what was landed to see who gets how many pounds in a TAC approach. Another approach would be to take the average of landings since 1994 and that can be the allocation of scallops to the general category including the limited access fisherman. I also feel an implementation of a harvest period should be looked into since day boats are fishing the winter months when scallop yields are about 64 bushels for 400 lbs, to where in the summer months it is around 44 bushels respectively. That is a considerable amount of more scallops that needs to be harvested to achieve the 400 lb. limit.

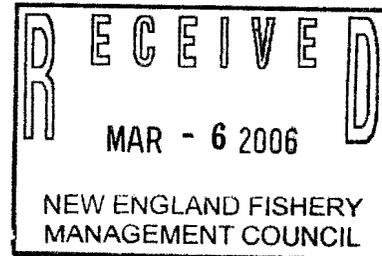
The comments that I have provided from the scoping document for Amendment 11, I would anticipate them to be taken in consideration for the best possible outcome in the scallop fishery. The short term effects of "Day Fishing" for scallops is going to be harsh to the long term outcome of having a renewable resource of scallops. At my age 22 I have participated in the Limited Access Scallop fishery since 1999 with my father who has been at for 27 years now, and I am next in line to take over operations and consider myself and others my age the next generation to the fishing industry. I know I have not been in the fishery as long as others but it is obvious to see the substantial improvement to the fishery that have made to bring it to this level of success.

Thank you for taking the time to listen my concerns. I can be reached by email at offshore5073@hotmail.com for future information or concerns and if there if a mailing list of information I would like to be on that list to receive future information.

Sincerely,

Charles Wiscott
Fishing Vessel Susan L
Cape May, NJ

New England Fishery Management Council
50 Water Street
Newburyport, MA 01950



Attn: Frank Blout, Deirdre Boelke

1. The council must use a the control date already set with the possible consideration for appeal process for vessels purchased or rigged ahead of the time of the control date. The people affected by this will be the owner/operator.
2. Finances must be considered in the allocation between General Category and Limited Access Vessels. Currently Limited Access Vessels Stock between 1.2-1.8 million dollars per year, many owners have multiple vessels which gives them the resources to buy permits for this and other fisheries. General Category Vessels are mostly owner/operated without the financial means to buy permits. This is their sole income.
3. Limited Access Vessels should not be allowed to fish in the General Category unless there on a day at sea. Limited Access Vessels will have a much greater impact on General Category Vessels already facing what seems to be a severely limited fishery. Why should the Limited Access Vessels be allowed to fish in the General Category when there days at sea have expired under the Limited Access Vessels.
4. I believe a hard TAC should be used only if it is used for limited access vessels. This has historically formed Derby Style Fishing.

Thank you in advance for you time,

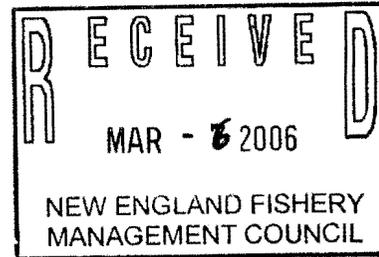
Neal Kitson
Owner F/V Lori Megg
Barnegat Light, NJ 08006

East Coast Fisheries Federation, Inc.

Received via email on 3/6/06:

March 6, 2006

Mr. Thomas Hill, Chairman
Scallop Committee, NEFMC
50 Water Street. Mill 2
Newburyport MA 01950



Dear Tom:

First, my thanks for your skilled Chairmanship of the New Hampshire and Hyannis scoping hearings. They were very well run and distractions diplomatically avoided. My compliments to Dierdre as well for her clear presentation.

Following up on my remarks at the hearing, it is important for the Council to be aware of the unique situation which has been created for the full-time scallop fleet. As I noted, catching a few winter flounder off New Jersey in the groundfish qualifying period now enables a permit-holder to fish for haddock, graysole and pollock on Georges or in the Gulf of Maine. The same is true in several other FMPs crafted by both the NEFMC and MAFMC.

Exactly the opposite was done with the full-time scallop fleet. Despite substantial history in both the monkfish and yellowtail fisheries, they were effectively denied those opportunities. This is in spite of the fact that, in many cases, full-time scallop boats caught far more monkfish and yellowtail than those who were eventually given permits.

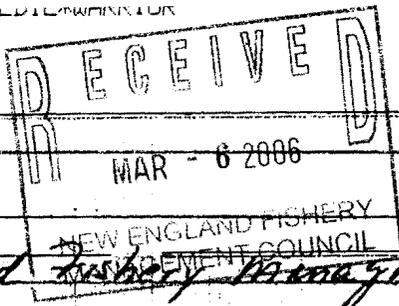
Prior Council actions have created a large group of people in the full-time scallop fleet who have been made utterly dependent on a single species. I point this out only to make the Council keenly aware that, having created that unique dependence, there is a special obligation with it. That obligation is to realize that Council actions must be consistent with the situation the Council itself created. This applies whether the issue is the General Category fishery, the Elephant Trunk fishery, or anything else.

I hope that realization will guide all the future scallop actions taken by the Council, and thank you for your consideration of this aspect of scallop management.

Sincerely,

via email
James D. O'Malley
Executive Director

P.O. Box 649 · Narragansett, RI 02882
Phone: (401) 782-3440 · Fax: (401) 782-4840



MARCH 6th, 2006

New England Fishery Management Council

Faxed 978 465 3116

Re: Amendment 11 to Sea Scallop Fishery Management Plan
 Attention: Dieder

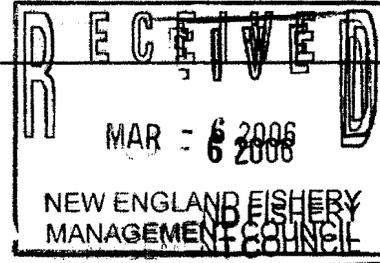
The right to catch 400 lb. per day is part of the Limited Access Permit if that is taken from the Limited Access Permit it would be diminishing the value of the Limited Access Permits. The 400 lb. right is part of the Limited Access Permit; it is folded in it is not a separate Permit, this has been the case since Amendment 4 to Sea Scallop F.M.P. I object to taking this Right Away - I spoke to you on the phone but I wanted to put it in writing to make it ^{part} of the Record as today is the first day. So it is my opinion that in taking away the 400 lb. would be that Amendment 11 is about more than General Permits.

Sincerely,
 Harris Ann Robinson
 HR

Atlantic Sea Scallop Amendment 11
Scoping comments

**ERIC
Lundvall**

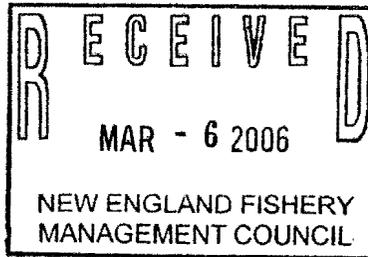
From: "Jo Lundvall" <lundvall17@msn.com>
To: <Scallopscoping@noaa.gov>
Sent: Thursday, March 02, 2006 11:28 PM
Subject: comment on general cat.



Dear sirs: My name is Eric Lundvall , I own th e F/V Rayna & Kerstin . I am a fishing industry veteren of 25 years from Barnegat Light , New Jersey. I am a current participant in the general category scallop fishery and have been well before the control date of November 1, 2004. I urge you to adhere to the control date for the gen. cat. fishery and adopt a limited access permit for participants involved prior to the date. I belive qualifying criteria should include a solid landing history of at least 20,000 lbs. of shucked scallop meats prior to the control date. Please do not let the same mistakes be made in other recent limited access fishery qualifications(example monkfish) where vessels qualified through loop holes such as providing reciepts for equipment or retrofitting prior to the control date. I find it unbelievable , the amount of vessels blatently rigging up to go scallop day fishing to this day just in Barnegat Light with out ever landing a scallop prior to the control date. I believe limited access vessel should also qualify to continue to participate in the general category fishery, as long as they participated in the gen.cat. fishery prior to the control date and had to provide the same qualifying landing criteria. Thank you in advance for reviewing my opinion. Eric L.Lundvall 400 Wood St. Little Egg Harbor NJ 08087 ph# 609-618-5360

Sincerely,

ERIC L. LUNDVALL



New England Fishery Management Council
50 Water Street
Newburyport, MA 01950

Attn: Frank Blout, Deirdre Boelke

I attended the general category meeting in Cape May, NJ and was pleased to see the turn out and hear the discussion. I currently have two general category vessels day scalloping out of Lunds Docks, in Cape May, NJ. As a boat owner I agree with the council that their needs to be control established in the General Category Scallop Industry.

Since the VMS tracking device became mandatory for all vessels who day scallop under the General Category, the number of active permits has greatly been reduced from roughly 2800-800 permits. If this isn't reduction of the industry what is? Installing the VMS was a financial burden and it took days away from sea, but I knew it was required to be installed on my boats to continue to day scallop. I spent roughly \$10,000.00 to purchase the VMS tracking system and the cost of labor was over \$1600.00. I lost days at sea and that equals lost income, but I took the money and time to install the VMS because day scalloping is my future and my income. I employ two full time crews who have worked for our corporation for over a year and this is their income, all of our lives will be affected by this proposed amendment by council. I don't have the money to buy a full-time permit, the General Category is my only source of income.

But I also feel there must be an appeal process for boat owners who didn't have any landings by the control date. This crucial to many of us in the General Category Industry who put all our money and resources into our boats before we could get any landings. In my case I spent \$35,000.00 to rebuild my engine after my engine blew up, which was unexpected. The boat was purchased in May of 2004, had a permit by August 2004, but because of the unexpected time and cost of the engine work. The boat didn't make its first trip until December 2004. The General Category Permit holders are not rich, we don't have the financial resources like the Limited Access Vessels, The Limited Access Vessels are much more well off financially, they have the resources to buy new boats and new permits. The 400lb limit has to stay in affect otherwise bigger boats who burn more fuel would not be able to make a living. Limited Access Vessels should NOT Be allowed t fish in the General Category unless there on a day at Sea. Limited Access Vessels will have much greater impact on General Category Vessels already facing a severely limited fishery. The Limited Access Vessels should not be allowed to go out and catch 400lbs when they have used all of their days at sea. Its not fair.

Although it wasn't intended to turn out that way, for many of us the General Category has turned into a Directed Fishery, we have no other income, we don't have other boats and permits, we don't have the 1.2-2 million dollars a year income off our boats a year like the Limited Access Boats have. I believe a TAC should only be used for

Limited access vessels. If a TAC is put in place, boats will be forced to go out to sea in conditions that are unsafe to catch the quota before it is officially caught. The boats going out to see will become a free for all.

The bottom line, is we agree with council we need control, but we feel an appeal process is necessary for the benefit of the people who have invested money and time in an industry that was full of promise, but because of a few, things have started to decline. The General Category guys will loose everything they have, look beyond boats, lets look at the big picture, billsnot being paid, mortgages, health insurance for our children. These two industries can't seem to work together, The Limited Access Boats and the General Category Boats, because the Rich stay Rich and the working men don't seem to be protected. As one of your council members told me, he would rather see me collect unemployment than send my boats to sea. That's really working together.

Thank you for your time,

Eric N. Kitson
Operations Manager
J&B Fisheries, Inc
Cape May, NJ

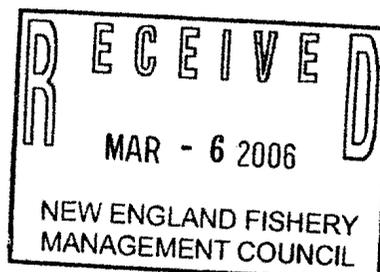


JOHN ELIAS BALDACCI
GOVERNOR

STATE OF MAINE
DEPARTMENT OF
MARINE RESOURCES
21 STATE HOUSE STATION
AUGUSTA, MAINE
04333-0021

GEORGE D. LAPOINTE
COMMISSIONER

March 6, 2006



Paul Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill 2
Newburyport, MA 01950

Dear Paul:

I am writing to comment on the scoping process for Amendment 11 to the Scallop FMP. DMR hosted several meetings of our own between Feb. 6 and Feb. 13 and collected feedback from the industry. Comments from interested parties who attended those meetings are incorporated into the letter. Comments specific to each meeting are attached.

The scoping document lists several issues and requests advice on those issues, so I'll structure this letter according to that format.

Issue 1: Limited Entry in the general category (GC) fishery:

The Council has already committed to limited entry in the GC fishery to control the increasing effort, especially given that for the past three years the fishing mortality rate for scallops has been higher than the target rate and thus the fishery has had overfishing occurring. I am very concerned however about shutting people out who are not having an impact on the fishery.

I'll describe Maine's active GC fleet: There are some Maine fishermen (less than 50) who choose to travel to Cape Cod or Southern New England for some portion of the year to supplement their income by day-boat scalloping in a directed fishery for a few weeks up to a couple months. There are also a very few fishermen in Maine who choose to day-boat scallop in a directed fishery from the Cape or Southern New England for their sole source of income.

By far the vast majority of our fishermen would go scalloping in federal waters if there were scallops in the Gulf of Maine (GOM), but there haven't been enough scallops to pursue since the late 1980s. I think it is very important for the people in coastal Maine to have access to the scallop resource in the GOM when the resource in this area returns. These are the people I do not want to exclude from the fishery - they are not fishing, they don't want to travel to where the scallops are, but if the resource returns in the GOM, they should have the opportunity to harvest that resource. With this in mind I suggest continuing an open fishery for the waters north of 43-00 north latitude with a maximum landing limit of 200 pounds per calendar day with the same input controls as the current small dredge exemption area in the GOM (a maximum dredge width



PRINTED ON RECYCLED PAPER

OFFICES AT STEVENS SCHOOL COMPLEX, HALLOWELL.

PHONE: (207) 624-6550

TTY: (207) 297-4474

<http://www.maine.gov/dmr>

FAX: (207) 624-6024

Paul Howard

Page 2

March 6, 2006

of 10.5 feet, four inch rings, 10 inch twine tops, no more than 5 persons allowed on board) and with the additional caveat that the vessel must be owner operated (with reasonable exceptions¹).

I note that the scallop survey is not done in the GOM so we really have no idea what is out there. I respectfully request that the Science Center and SMAST include the GOM in their scallop surveys.

Control Date:

There is some controversy among the Maine industry regarding the control date. There are certainly some members of our industry who would prefer that Dec. 1, 2005 (VMS installation date) were the control date. However, I think the right thing is to honor the Control date set by the Council in 2004 and leave it at Nov. 1 2004.

Issue 2. Allocation between the Limited and General Category Fleet:

This is a tricky issue that has generated much discussion among the Maine industry. I recognize there is a lot of pressure to allocate landings to the GC fleet at their historic levels. However there are several reasons not to submit to this pressure, and allow the GC fleet the opportunity to catch a larger proportion of the TAC than they did in past.

First, we are already limiting the GC fishery by making it limited access and cutting more than 2000 permits out of the fishery.

Second, the increase in landings in the scallop fishery gives us enough scallops and economic benefit from the fishery to allow a higher percentage to the GC fleet while continuing increased economic benefits to the limited access fleet.

Third, the original intent of the GC fishery in Amendment 4 was to allow for a small directed fishery by day-boats and a bycatch fishery for those vessels targeting other stocks, which have some small incidental catch of scallops.

I strongly support increasing the allocation to the GC fleet above historic levels to a level that will allow a sustainable and economically viable day-boat fishery. I think we should allow a day-boat fishery to exist and craft the amendment accordingly.

Issue 3. Dual Application for Limited Access vessels:

Given the fact that the fishery has had overfishing occurring in each of the past three years, it suggests that the current management system is not working. Because we are closing the GC fishery to new entrants and new effort, then we should not allow Limited Access vessels to fish outside of their DAS. The Limited Access fleet has access to (and has landed) millions of pounds of

¹ Reasonable exceptions to be determined by the Council but to include immediate family members in the case of death or disability.

Paul Howard

Page 3

March 6, 2006

scallops through their DAS and Special Access Areas. In a fishery where overfishing is occurring, it does not make sense to allow the biggest, most effective harvesting platforms to fish outside the regulations designed to control their effort. The Limited Access vessels should not be allowed to fish in the day-boat fleet.

According to the table on page 4 of the scoping document, Limited access vessels fishing outside their DAS landed 0.70% of 5.6 million pounds – or 39,200 pounds in 2005 – a pretty insignificant number of pounds relative to their total projected landings of over 60 million pounds. In spite of this low landing, I feel very strongly that limited access boats (with DAS and access to Special Access Areas) should not be able to fish as part of the day-boat fleet. We should reserve that category for smaller vessels that can only fish the near shore.

However, if the Limited Access vessels are targeting other species and have bycatch of scallops, they should be allowed to keep a very small daily trip limit – I suggest something on the order of 200 pounds per calendar day, up to some reasonable maximum based on scientific evidence of bycatch rates.

Issue 4. Use of Hard TACs in the GC fishery (fleetwide, by area, season, sector or individually)

I do not think it is appropriate to limit the GC fleet with a Hard TAC if the Limited Access fleet will continue to operate without a Hard TAC. If the entire fleet will be required to operate under (limited access, day-boat, bycatch) were to shift to a Hard TAC, then perhaps it should be done such that 80% of the TAC is allocated to the Limited Access fleet, 19% to the GC fleet and 1% to the bycatch in all other fisheries.

If we have to go to individual TACs then for the Limited Access fleet, it should be done according to permit category and using historical activity (years and pounds landed) as qualifying criteria. For the GC fleet, an area based TAC may be preferable given that a line already exists at 73-00 west separating the Mid Atlantic from Southern New England.

I recognize that this is a controversial issue and there is no way to do any allocation fairly. It is true the limited access boats have made a commitment to this fishery but there is a historical and culturally important day-boat fleet in New England that is getting wiped out by the march towards economic efficiency. I strongly believe there should be room in this (and other FMPs) for a day-boat fishery to operate sustainably.

Issue 5. Use of Sectors and Harvesting Cooperatives (Dedicated Access Privileges):

If the Council decides to go along with Hard TACs then the development of sectors and co-ops should be allowed. That said, I think the first question to be answered has to be whether the Council will recommend Hard TACs for the entire scallop fishery. If the Council votes to recommend Hard TACs it should be for every segment of the fishery and special access area, not just for the GC fleet.

Paul Howard

Page 4

March 6, 2006

Issue 6. Landings of Incidental scallop catch:

As mentioned earlier, landing scallops caught incidentally in other fisheries should be allowed; I suggest a 100 pound landing limit as a place to start. It may be necessary to prevent over-harvest by assigning a bycatch cap to each fishery based on historic patterns.

Issue 7: Changing the Fishing Year:

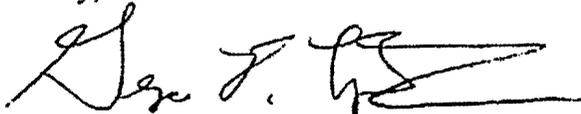
I am opposed to changing the fishing year because if the year were to start in the fall, when the data was all collected, the day-boats, particularly in New England would be at a significant disadvantage due to weather. I think it would unnecessarily complicate the scallop plan if the limited access boats started at one time and the day-boat fleet started at another time. We should leave the start of the fishing year for scallops at March 1.

Other Issues:

I appreciate the Regional Administrator sending out the letter (February 17, 2006) addressing the concerns of vessel owners who may have sold their boat, bought another one without retaining their catch history. There are quite a few Maine fishermen who are in this situation and are concerned they will lose access to the fishery. I would be happy to discuss options of how to address this problem if you have any suggestions.

Please contact me if you have any questions about my comments.

Sincerely,

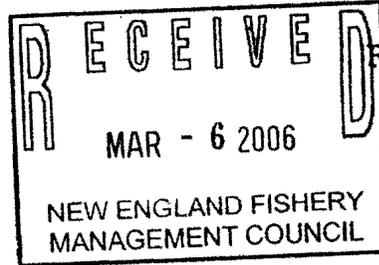


George D. Lapointe
Commissioner

cc: Tom Hill

W. William Anderson

702 Dixie Road
Moose River Cove
So. Trescott, Maine 04652
United States of America
207-733-2179



February 22, 2006

George D. Lapointe, Commissioner
Department of Marine Resources
21 State House Station
Augusta, Maine 04333-0021

Dear Commissioner Lapointe:

I received your notice of meetings to discuss General Category Scallop permits. I hold a 1B General Category Scallop permits. According to Commercial Fisheries News only 816 vessels have taken out 1B permits by early December. This alone significantly limits the number of boats with 400# permits. It is my opinion that anyone who went to the trouble of purchasing and installing a VMS by December 1, 200 should allowed to stay in the 400# category, weather they have landings or not.

From what I read there is concern about effort in the General Category. You now have 800 vessels to put in a Limited Access General Category with permission to land 400#. There were 2831 in the 400# General Category. This is a very significant reduction in potential effort. Everyone had months to decide whether having the ability to land 400# per day was important to their operation.

If you want to have a total allowable catch it should effect all limited access boats not just General Category Boats. When you reach the total allowable catch General Category boats should be able to continue to fish at the 40# per day level. Or at least those with VMS so all additional landings are recorded this way.

Those bigger boats have deeper pockets and many are large companies with multiple boats in many fisheries in come cases. Allowing 800 boats to continue to fish at the 40 pound per day level would allow a small operator to continue to have some cash flow to pay bills or buy groceries. I do not feel it would be fair to put a total allowable catch limit on the small boats while the big boats just keep on fishing. It appears to me that there has been some significant increased in effort in those limited access categories. There are always new boats being built old boats with permits purchased and upgraded.

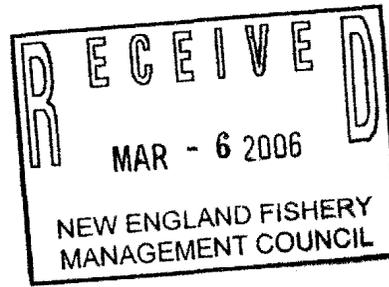
I see where the New England General Category Scallopers Coalition was thinking about limiting drag size at 8 feet I could support that or 10 feet limitation similar to Maine Law. If drag size is seen as necessary for General Category Limited Access Boats. They are already limited by the amount they can land. It would be nice if you could work with The NEGCSO to come up with a proposal for limited access General Category Boats to be submitted to the New England Council so General Category Boats with 1B permits will speak with one voice and have a better chance of getting what they want or need.

Can a General Category Permitted boat go on a multiple day trips as long as they do not exceed the per day limit or do they have to come in to port every night? For example, Three days out can not land over 1200# or do I have to come in to port every night and land my scallops?

Sincerely,

W. William Anderson

Paul J. Howard
Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950



Bob Baines
F/V THRASHER
89 Waterman Beach Rd.
South Thomaston, Me. 04858

2/9/06

GENERAL CATEGORY SCALLOP COMMENTS

Dear Mr. Howard,

I am a Maine lobsterman who has also participated in the scallop fishery for over 20 years. I have held a general category permit with landings history since 1993. It is extremely important for Maine fishermen who hold a general category scallop permit to retain the ability to harvest scallops in waters off the New England coast. Many of the fishermen who hold general category scallop permits fish on small boats in a directed fishery either on a seasonal or full time basis. The ability to continue in this fishery will allow the owner operator, small boat fleet to survive in an arena being dominated by big boat, corporate owned operations.

1. If it is the intent of Amendment 11 to control capacity in the general category fleet, then limited entry must be used. I would support the control date that has been established, although there is not much difference in the number of permits issued in '04 compared to '05. Qualifications for a limited access program should be based on hundreds of pounds of scallops landed while holding a general category permit during the last ten years.

2/3. An allocation between the limited and general category fleet should only be considered if the limited access fleet is prohibited from landing scallops under their general category permit (double dipping). A 20% quota would be a fair allocation to allow the small boat fleet to maintain economic stability. A north/south sector should be considered to evenly distribute effort.

4. A hard TAC should be used for the entire general category fleet, along with limited entry, but not on an individual basis. It would not be in the best interest of the fishing community to create individual ownership of harvesting rights. A fleet wide TAC with area and/or season limits would effectively control effort.

5. The use of sectors or harvesting co-ops should be a part of the plan as long as all qualifying general category permit holders can participate. Sector allocation has the potential to provide better stewardship of the resource, but many questions first need to be answered as far as who has the right to harvest under the general category permit.

6. If a limited access program is initiated in the general category fishery, there should be no bycatch of scallops allowed by vessels which do not have general category permits. The scallops can be returned with minimal discard mortality. Under a hard TAC, any incidental catch should be prohibited when the quota is reached.

7. If the general category fleet is managed under a hard TAC, the fishing year should not be changed. The general category, directed fishery scallop fleet, is predominantly a small boat fishery. A change in the fishing year to later in the year could put these boats at risk by fishing later into the fall and winter months fearing there would be no quota left by springtime. The current fishing year provides these boats with the best weather which affords the fishermen the safest time of year to be working in small boats.

I have two other comments that I feel are relevant to the General Category Scallop Fishery. There seems to be a problem in the inability to transfer general category permit history. I know of a number of fishermen who have lost their history after building new boats and not being able to transfer their old permits to the new boat because it is still an open access fishery. This problem needs to be rectified if Amendment 11 is going to make the general category scallop fishery a limited access fishery and where entry is based on the control date and history.

Also, and I understand that this has nothing to do with Amendment 11, general category fishermen must be allowed back into the traditional fishing grounds in the Great South Channel. The general category fleet is using the same gear as the limited access fleet, so there is absolutely no reason why they should be treated any differently than the limited access fleet. The general category fleet must be designated as an exempted fishery which would sustain the economic viability of the fleet and spread effort over a much larger area.

Sincerely,

Bob Baines
rsbaines@adelphia.net

DMR Scallop Meeting Summary

Portland, ME

Feb 6, 2006

Meeting Room at the Casco Bay Lines Ferry Terminal

In attendance: George Lapointe, Terry Stockwell, Cindy Smith, Barbara Stevenson, Maggie Raymond, Kurt Denholm, Terry Alexander, John Higgins, Phillip Chase, David Todd, Mark Roberts, Mike Stinchfield, David Horner

Points from Portland Meeting:

- The rules should be changed so the Limited Access (LA) vessels cannot fish outside of their DAS under General Category (GC) rules. Limited Access vessels should not be able to fish outside their DAS.
- There are two kinds of (federal waters) scallopers in Maine - a directed day boat fishery and a bycatch fishery. We must protect both.
- It is critical to allow bycatch of scallops in the groundfish (particularly the yellowtail founder) fishery.
- The bycatch catch limit should be more than 40 pounds per trip, 40 pounds is too low.
- Allocating 2-5% of the TTAC to the GC sector of the fishery is way too low. The GC sector should be allocated at least 20% of the TTAC.
- The Nov 1, 2004 control date should be changed – possibly to December 1, 2005 when VMS was required.
- There should be an open access permit in the small dredge exemption area in the GoM – with maybe a 200 pound landing limit.
- Suggest giving the guys with no recent landings history a limited number of DAS to fish at 400 pounds per DAS.

DMR Scallop Meeting Summary
Rockland, ME
Feb 7, 2006
Marine Patrol Meeting Room (Ferry Terminal)

In attendance: George Lapointe, Terry Stockwell, Cindy Smith, Alan Talbot, Dennis Young, Jr., Wallace Gray, John Higgins, James Wotten, Gordon Connell, Doug McLennon, Michael Ball, Jeremy Smally, William P. Waldren, Bob Baines, Jeremy Alley, Matt Ross, Ivan Chase, David Aho

Points from Rockland Meeting:

- GC sector of the federal scallop fishery should be allocated at least 15-20% of the TTAC
- ME fishermen need flexibility to fish in different fisheries throughout the year.
- Opposed to having the VMS requirement be part of the qualifying criteria.
- Maine fishermen need access to the GOM scallops when they come back
- Changing the fishing year would be bad for Maine boats. If the season starts in the fall, Maine guys generally have smaller boats and poor weather conditions so they will have less opportunity to catch scallops in the fall and winter (before the fishery gets fished out or closes for the year).
- Opposed to changing the fishing year.
- I was not able to keep the landings history when I sold my boat; I was told I couldn't transfer that history to my new boat. How am I going to be able to fish in this fishery?
- One guy suggested a weekly quota with a Hard TAC to spread out the landings. He explained that 400 pounds per day equals 2,800 pounds per week; he is willing to only catch 1,800 pounds in the week but he wants to be able to decide when to fish.
- One man asked how to let the guys in who qualified originally but didn't bother getting the limited access permits because scallops were scarce and the price was only \$3 a pound.
- The Limited Access vessels should not be allowed to fish outside of their DAS on GC rules.
- There was a suggestion to split the fishery into a Northern and Southern zone with the dividing line being the 73-00 west longitude line.
- There was a suggestion to stick with the existing control date of Nov. 1, 2004, (not changing it).
- How can we change the rules so we can go scalloping under the GC rules in the Great South Channel? It's a groundfish rule, so it would have to be in a groundfish action.
- We should allow groundfish draggers some incidental bycatch.
- Another man disagrees: We should not allow a bycatch fishery.

DMR Scallop Meeting Summary
Machias, ME
Feb 9, 2006
U Maine Science Building, Room 102

In attendance: George Lapointe, Terry Stockwell, Cindy Smith, Ivory (Fuzzy) Preston, Mike Danforth, David Look, Ben Crocker, Edmund B, Lanny Wood, Leigh Feeney, Walter Jerome, Howard Robbins, Leo Murray, Fannee Beal, Bernard Beal, John D. Wood, Matt Fronczak, John Polk, Larry Wood

Points from Machias Meeting:

- A hard TAC is a bad idea unless there is a line so the southern boats can't come up north. The boats in the Mid Atlantic have the capability of catching the whole TAC.
- Maine boats should have access to scallops in the GOM when they come back.
- The General Category fishery should get at least 25% of the TAC.
- In 2005 the GC landings were lower than they would have been otherwise because the Hudson Canyon Area was terrible fishing.
- The Groundfish closures are what made the scallops come back, not the sacrifices of the limited access fleet.
- Maine boats used to sell their catch for cash, so they have little in the way of recorded landings history.
- Maine boats would lose in the derby fishery created by a Hard TAC.
- Last week off Rhode Island there were 19 boats over 75 feet fishing the GC scallop fishery, wasn't this GC originally supposed to be limited to 45 foot boats?
- There are people who sold their boats without retaining their federal waters scallop catch history, and therefore will probably not qualify for the new limited access GC fishery. How can we address that problem?
- Some people prefer to lower the daily landing limit to 200 pounds so it is not worth it for the bigger boats to participate.
- Requiring VMS to stay operational even when fishing in state waters is just a ploy to make us quit fishing.
- We need to allow incidental catch in the groundfish fishery.
- Catch increased dramatically after the year 2000 because in that year they made a rule that LA had to keep the VMS on all the time and couldn't duck inside to shuck, deliver and go back out again.
- We need to protect Downeast fishermen.
- Absolutely we should not lower the 400 pound daily limit.
- Many Maine fishermen want to be able to lobster for some months and scallop for some months.
- I want to support the Maine guys who go down to the Cape to fish. I want to be able to go scalloping again sometime.

DMR Scallop Meeting Summary
Ellsworth, ME
Feb 13, 2006
Ellsworth City Hall

In attendance: Terry Stockwell, Cindy Smith, Susan Jones, Stanley Sargent, Adam Stanwood, Russell Leach, David Leach

Points from Ellsworth Meeting:

- You should get your VMS and go fishing or you will be done.
- I chose not to buy VMS back in 1994 when it cost \$8,000 and \$300 per month to operate, when scallops were selling for only \$3 per pound. You should let the guys who qualified back then enter the Limited Access fishery now.
- I bought a new boat but didn't keep my old landings history when I sold my old boat. Now what am I supposed to do?
- Rebate money for VMS will just encourage everyone who hasn't bought one yet to go buy one.
- I can't transfer my federal landings from my old boat to my new boat, what am I supposed to do?
- The GC segment of the fishery should be allocated at least 25 or 30% of the TAC, not a Hard TAC of pounds.
- The 400 pounds per day is our hard TAC, there do not need to be any other limits on the GC fishery.
- I only want a specific allocation of pounds if it is transferable.
- There is no need for sectors in the GC fishery.
- We should not change the start of the fishing year – it would be a safety disadvantage for Maine boats.
- Opposed to permit stacking, it does not remove capacity; rather it allows big companies to operate more efficiently.
- We have to protect the Maine fishing communities. There must be a way to allow Maine fishermen to fish in federal waters for scallops for a few months per year.
- When scallops come back to federal waters in the GOM then Maine fishermen have to be allowed to go fish for them. It would be totally wrong to shut out Maine fishermen.
- People who don't qualify for this limited entry should still have some access to the fishery... maybe 200 pounds per day would be ok.
- How will my sons and nephews be able to go fishing for a living?

Additional Comments by phone or in writing:

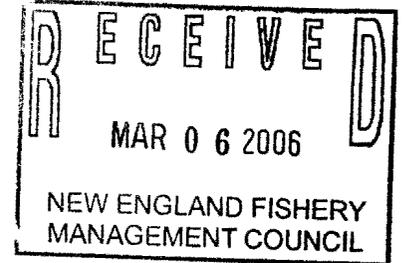
- Limited access is an acceptable way of controlling capacity
- Support the current control data even though there is not much increase from 2004 to 2005.
- Qualification period should be 1994-2004; but only require a few hundred pounds of landings in any one year.
- Allocation between limited access and GC fleet only if the LA fleet is prohibited from landing outside their DAS.
- The GC fleet should get at least 20% of the TAC
- There should be North and South sectors to evenly distribute catch.
- Hard TAC for the whole fishery would be fine but only for the limited access and the general category fleets, but not for individuals.
- Sectors might be ok, as long as all GC permit-holders can participate.
- No bycatch or incidental catch fishery
- Do not change the fishing year.
- You have to fix the problem of historical landings not being transferred to a new boat in an open access fishery.
- You should let them go back to fishing in the Great South Channel because they use the same or smaller gear than the limited access fleet.
- We need a larger % of the TAC than 3-5%, at least 20%
- We should have a separate TAC for the GC
- Dec 1, 2005 should be the control date
- It would be ok to have an open access permit for the GOM with low landing limit
- Individuals should be able to consolidate their permits and history to the most advantageous position for the future.
- NO IFQs

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Tuesday, March 07, 2006 4:34 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11 Scoping Comments]

----- Original Message -----

Subject: Atlantic Sea Scallop Amendment 11 Scoping Comments
Date: Mon, 06 Mar 2006 22:14:17 -0500
From: Robert & Debra Maxwell <bdmaxwell@comcast.net>
To: ScallopScoping@noaa.gov
CC: Donmyers46@aol.com



The most practical way in all fairness to all parties within is to have individual days at sea because it is a program already in effect by NMFS. This gives people who were in the fishery what they deserve. For instance, by using the control date of November 1, 2004 and picking the highest days at sea from any one year from 1999 to 2004 allows for people to pick there best year prior to the control date that *were active* in the fishery. If you do not have any landings from 1999 thru November 1, 2004 you end up with 40 pound by catch. There should absolutely not be any rig up clause what so ever, if you have no landings between the dates above then you do not qualify. By using this criteria it would make this general category limited access a more sustainable fishery by utilizing the 8.5 percent of total landings in 2004.

Thanks

Robert Maxwell

Collier Shannon Scott

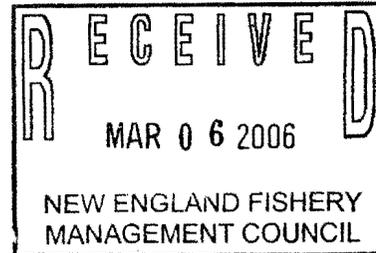
Collier Shannon Scott, PLLC
Washington Harbour, Suite 400
3050 K Street, NW
Washington, DC 20007-5108
202.342.8400 TEL
202.342.8451 FAX

David E. Frulla
Member of the Firm
202.342.8648
DFrulla@colliershannon.com

March 6, 2006

**VIA ELECTRONIC MAIL
AND ORIGINAL BY FEDERAL EXPRESS**

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950



Re: Atlantic Sea Scallop Amendment 11 Scoping Comments

Dear Captain Howard:

As you know, we represent the Fisheries Survival Fund. FSF's participants include the bulk of the full-time, limited access scallop permit holders, homeported from Massachusetts to Virginia. We appreciate this opportunity to present these comments in connection with the Council's scoping process for Scallop Amendment 11.

Circumstances have conspired to convert a persistent and troubling issue regarding the need to control the growth of the General Category into a major problem. As you know, ever since the Council commenced development of Scallop Amendment 10, in 2000, FSF has been advocating for bringing General Category scallop effort under the management limitations that have so successfully been applied to the limited-access fleet since Amendments 4 and 7 – limitations which have seen the scallop resource rebuilt and the fishery transformed into one of the success stories of the post-Sustainable Fisheries Act era. However, the period from 2003 through 2005 saw General Category landings outside the Limited Access fleet increase from 3% to over 12%. A number of factors were at play – historically high scallop prices, good sets of scallops in near shore beds, and the Region's last remaining open access fishery available to those experiencing hard times in other fisheries from the Gulf Coast to Maine.

FSF and its participants have consistently and increasingly expressed concern over the unchecked growth in effort, landings, and capitalization in the open access General Category fishery occurring in New England and, particularly, the Mid-Atlantic. Almost 70% of the General Category scallop landings now come from the Mid-Atlantic. These trends threaten the resource, the prospects of the long-term dayboat scallopers whose livelihoods depend on local, inshore scallop beds, and the very concept of rational, conservative exploitation of New England's fisheries resources. FSF therefore thanks the Council for undertaking development of this important Amendment 11, and thanks it in advance for proceeding towards prompt and timely implementation.

The Council in Amendment 11 will, unfortunately, have to make some hard choices – choices that have been made harder because General Category growth was not addressed a few years ago when problems with the General Category were emerging. However, it would be bad resource management, horrible precedent, and not fair, for the Council to palliate the problem by fundamentally reallocating the scallop resource at a time when the pendulum has swung such that returns from the scallop fishery are (or more accurately, were in the 2005 fishing year) at a cyclical pinnacle and conservation sacrifices need to be made to rebuild other fisheries the way the scallop fishery has been rebuilt.

That said, the Fisheries Survival Fund has always recognized a discrete, historical in-shore, small vessel, dayboat scallop fishery mostly along the New England Coast. The dayboat fishery was prosecuted from existing vessels and generally seasonally. Under Amendment 4, which should control, the General Category was intended for these fishermen, not new participants, in new vessels, who have in recent years turned to directed scalloping as a full-time pursuit.

Independent of this small inshore directed dayboat fishery, the Fisheries Survival Fund recognizes that directed fishing operations for other species also catch incidental amounts of scallops. Amendment 11 should distinguish the incidental catches from directed dayboat operations and treat them separately. There appears to be no need to limit truly incidental scallop catches.

While the FSF recognizes the need for the dayboat fleet to develop an effective set of measures to achieve the Council's goals, FSF's resources and expertise are available to assist the Council and historic dayboat scallopers in developing viable solutions. FSF does believe, however, that Amendment 11 should be developed consistent with certain important decisions the Council has already made.

FSF will use these scoping comments to set forth a series of principles that should guide Amendment 11, and will then proceed to address the questions the Council has specifically raised in its scoping document.

FUNDAMENTAL PRINCIPLES FOR AMENDMENT 11

1. The Council should not use Amendment 11 to provide for a General Category sector that is larger than can be supported by the reasonable allocation of the scallop resource according to historical landing percentages. The Council's experience with groundfish shows that it is very difficult to implement effective conservation limits when an inordinate number of permit holders qualify for entry into a fishery. This point may be even more salient for the General Category scallop sector, which should reasonably be expected to have only a modest allocation of the fishery to begin with. As explained below, from the inception of Amendment 4 in 1994 until the year the General Category control date was implemented (November 1, 2004), the General Category effort (not including Limited Access permit holder landings off the DAS

program) did not account for more than approximately 5% of overall scallop landings, and averaged approximately 3% of these landings.

2. Amendment 11 should be based on the allocation of the scallop fishery that Amendment 4 established. It is important to recognize that the Council has already made what was supposed to represent a durable allocation of the fishery in Amendment 4. Amendment 11 should be consistent with the purposes for which Amendment 4 created the Limited Access fleet in the first place.

More specifically, Amendment 4's primary purpose was to include essentially the entire directed scallop fishery in the limited access regime so that it would be "easier to control fishing mortality." Amendment 4 accordingly established a series of limited access categories covering almost all those permit holders who chose to participate in limited access and could document virtually any participation. To qualify for limited access, a vessel need only have landed a total of 400 pounds of scallops during the qualifying period.

Amendment 4 did substantially rationalize the scallop fleet, with positive consequences for the fleet and the resource. This rationalization allowed the conservation measures implemented for the scallop fishery (for example, days-at-sea ("DAS") limits, ring-size limits, and crew limits), to take hold and rebuild the resource, while allowing participants to still obtain a return from the fishery. Further, the fleet has also been able to invest in research and constructive engagement with the Council and NMFS. And, in reliance on Amendment 4, the limited access fleet has created solid domestic and international markets for healthful, abundant, reasonably-priced Atlantic scallops. This is the promise of fishery rationalization.

However, Amendment 4 entailed a considerable sacrifice by those who chose to enter the Limited Access scallop fishery. Limited Access participants relinquished other New England permits and opportunities to concentrate on scallops under Amendment 4, and did so at a time when the scallop resource was at a very low level (when catches were less than 400 pounds per day). The fact that the Council required those opting for a Limited Access scallop permit to relinquish other New England permits adds strongly to the equities in not requiring any fundamental reallocation of the scallop fishery from what was achieved following the extensive Amendment 4 processes. The Limited Access fleet's days at sea have been curtailed since Amendment 4, and they continue to be curtailed to this day. By contrast, the General Category has seen no new limits since 1994, save for the VMS requirements recently imposed.

3. The Council should not use Amendment 11 to fundamentally alter the General Category fishery. The Council created the General Category in Amendment 4 as a compromise to allow some modest scallop landings for those vessels who could not meet Amendment 4's exceedingly limited qualification standards, did not or could not document their landings history, or otherwise decided not to accept the burdens of a scallop limited access permit, including limited opportunities to participate in other fisheries.

Significantly, the General Category was supposed to have only a minimal impact on scallop mortality. In fact, Amendment 4 specifically intended for General Category scallop mortality to be so insignificant that it was not planned to be counted in setting overall scallop mortality estimates. If the General Category grew, Amendment 4 specifically stated that the Council should reduce allowable General Category landings, as opposed to re-doing the allocation of the fishery that Amendment 4 created. The recent, explosive General Category growth should be constrained to maintain the General Category's historic purpose and share of the fishery. As explained above, the Council should not fundamentally revisit the decisions it made in Amendment 4.

4. Amendment 11 should not detract from the purposes of Amendment 10. Following the rebuilding of the scallop resource, the Limited Access fleet has invested in developing an area management amendment, Amendment 10, that has great prospects to improve long-term scallop yield. The Amendment 10 system of rotational area closures and controlled openings represents a dramatic management improvement, especially as compared to past races to new sets of scallops just as soon as they were large enough to be retained by the gear.

Consistent with these efforts to improve yield, any allocation regime should take into account the type of gear used by the various types of dayboat scallopers. For instance, the Council should consider options to ensure scallop yield, including but not necessarily limited to requiring any new dayboat category to use dredges only, with 4-inch rings. Extensive research, over many years, has demonstrated that a directed scallop trawl fishery is able to target smaller scallops, limiting the Council's ability to achieve optimum yield from the scallop resource under Amendment 10.

5. Amendment 11 must reflect the realities of the scallop resource. In 2004, according to Northeast Fisheries Science Center estimates, scallop fishing mortality was more than 50% above the target. In 2005, the Council decided against precipitate action to correct that problem because decisions made in Amendment 10 and Framework 16 were to reduce Limited Access scalloping in 2005. Moreover, it was understood that DAS would be further adjusted in 2006 and 2007 under Framework 18. Preliminary catch statistics in the Amendment 11 scoping document suggest that Amendment 10 and Framework 16 did function as intended. Limited Access catch in 2005 did indeed drop to under 40 million pounds, from the approximately 60 million in 2004. Although nominal Limited Access DAS allocations are going up in 2006 and again in 2007, many of these DAS (more than half) are to be tied to access area trips, meaning that it is not likely that all days allocated will be fished. The actual number of days spent at sea by each Limited Access vessel is being tightly constrained. In contrast, General Category effort and landings have increased quickly, and they, too, must be constrained.

There are also troubling signs that the problems seen in Hudson Canyon in 2004 and 2005 are now becoming general across the Mid-Atlantic (outside the Elephant Trunk access area) and in coastal waters of New England. While scientific projections for the Elephant Trunk Area are very encouraging, neither scientists nor industry have any experience with such dense scallops. As has been shown in the Hudson Canyon access area, and before that in the Virginia Beach access area, it is not a certainty that the dense concentrations of scallops in the Elephant

Trunk will survive and grow as projected. Nor has there been much sign of further major recruitment, following the year-classes protected by the rotational closure. All of this is to say that the Council should be conservative in allocating scallops as its "margin for error" (scallops at historic levels of abundance, at least in recorded times) may be shrinking.

6. Amendment 11 must account for the Council's legal mandate to maintain rebuilt fisheries over the long run. Suggestion has been made that there are more than enough scallops to satisfy the needs of both the Limited Access fleet and the new entrants to the dayboat fishery. Recent reports from the fishing grounds suggest that that is no longer true but, even when the ocean had many scallops, the claim was a mistaken one.

The Sustainable Fisheries Act of 1996 changed the basis of fisheries management, placing an increased emphasis on conservation, and insuring that fisheries resources be and remain rebuilt. The goal was to replace (or at least moderate) the "boom and bust" cycles that prevailed in many fisheries. The Atlantic sea scallop resource was rebuilt, and thus there are many scallops in the ocean. However, rebuilding was achieved by restricting the mortality rate. Modern fisheries management supposes (as the Act requires) that high biomasses must be maintained by keeping mortality rates low.

Thus, while there may be relatively many scallops to catch, there is only a limited amount of mortality permitted. The limits are so strict that "full-time" vessels are only working some 80 days per year, and it has already been suggested to the Council by the Capacity Committee that it may have to consider reducing the number of Limited Access vessels so as to increase their commercial viability. In that situation, there is no justification for transferring substantial portions of the allowable scalloping opportunities to new entrants.

RESPONSES TO THE COUNCIL'S SCOPING QUESTIONS

I. Limited entry in the general category fishery:

- **Should the Council consider and use limited entry to manage capacity in the general category fishery? Why or why not?**

The Council should consider creating a new limited access dayboat permit whose holders would be allowed 400 pounds per day for a reasonable number of days per year for an in-shore scallop fishery: This is separate from allowing continued incidental catches of scallops in directed fisheries for other species; accordingly, the Council should not consider a new limited entry program for vessels operating in other fisheries and landing only incidental catches of scallops.

More specifically, Amendment 11 should design this dayboat permit to provide a reasonable amount of access for a discrete, numerically-limited, well-understood set long-time, directed day-boat scallop fleet which opted out of limited access under Amendment 4. From 1994 until 2004, when the Council set a new General Category control date, these dayboat fishermen, along with fishermen in other fisheries with traditional incidental scallop catches,

landed about 3% of total landings on average. However, and significantly, as explained above, the Council should not use Amendment 11 to create a new fleet sector that is larger than can be supported by a reasonable allocation of the scallop resource according to historical landings percentages.

The Council may want to consider whether there are any discrete historic, dayboat scallop fisheries that are prosecuted in state waters, outside the NMFS Atlantic scallop assessment area (perhaps north of the 42° 20' line), that might present a rationale for exclusion from the Amendment 11 regime. Such an exclusion should not apply to vessels that opt to fish for scallops outside this narrow context and geographically limited area.

- **If a limited access program is established, should qualifying criteria be based on the November 1, 2004 control date?**

Any new limited access program for the General Category must be developed using the November 1, 2004, control date. Others who cannot demonstrate significant landings before the control date should not be able to continue to participate in a 400 pound per day dayboat scallop fishery.

It will not be enough, however, simply to admit every vessel that held a general Category permit as of the control date, nor even every vessel that had recorded a scallop landing before that date. Either approach would leave such a broad number of qualifying vessels that each participant's share of the remaining fishery would be reduced below what is needed to sustain an active dayboat scalloper.

- **What types of qualification criteria should the Council consider if it designs a limited access program for the general category fishery?**

To qualify for a limited access permit for directed dayboat scalloping (as opposed to being allowed a much more limited level of incidental landings in directed fisheries for other species) under Amendment 11, a General Category vessel should be required to demonstrate significant catches from directed scalloping (again, as opposed to incidental landings), in several different years prior to the November 1, 2004, control date, over the duration of Amendment 4, 1994-2004.

Further, vessels with incidental catches of scallops, but no history of participation in a directed dayboat scallop fishery before the control date, should not be included in any new directed dayboat permit category. Thus, to qualify for a limited access permit, a vessel should be required to demonstrate that its scallop landings on a certain number of trips, over a certain number of years, exceeded a level that would be considered incidental bycatch from directed effort in other fisheries.

Unrecorded landings, illegal landings, and other scallop landings inconsistent with the regulatory regime, should not be permitted to count towards qualifying.

II. Allocation between the limited and general category fleets

- **Should the Council consider allocating the scallop resource among defined fisheries and/or seasons, or individual basis; or should the Council set specific limits fishery wide for the general category fleet?**

The Council should establish a durable allocation of the scallop resource between the current Limited Access fleet and the dayboat fleet that has been fishing in the General Category. There is no indication that landings of incidental catches of scallops are increasing, and FSF sees no reason to impose a specific allocation on such landings at this time.

The Council should not allow Amendment 11 to create a set of qualifiers for any new day-boat fleet that is larger than is consistent with a reasonable allocation of the scallop resource according to historical landings percentages. While how this outcome is achieved is a matter of greatest import for the General Category vessels and their organizations, rather than the FSF, there are certain truisms that the Council will have to consider as it makes such decisions.

For instance, a hard cap limit of some percentage would involve issues of enforcement costs and enforceability more generally. The task of managing the General Category fleet would be made simpler if its size is consciously pegged at a number projected to fit comfortably within the sector's target share. That share, in turn, should be tied to the historical share of this sector.

On the other hand, the success of the scallop fishery to date has been built on individual allocations, specifically in DAS to Limited Access vessels. While a similar system may or may not meet the needs of the General Category, there may be solutions which are fairer and more effective than a categorical hard quota. Given its dispersion and the geographic and operational differences of the participants, for example, a possibility might include regional management solutions within the General Category as a whole.

- **What should the basis be for choosing "fair and equitable" allocations (or catch limits) for the general category and/or limited access fleets?**

Only landings from before the November 1, 2004, control date should be factored into determining a reasonable allocation. The control date is recent, well-publicized, and follows years of Council discussions about the need to limit fishing effort and capitalization in the General Category. Using the control date already provides for a broad (actually a way too broad) number of potential qualifiers, without adding speculative effort that cascaded into the fishery in 2005 and even 2006 when prices were high. Effort in 2005 has created conservation issues and is fundamentally changing the extent and even the nature of the General Category fishery.

Indeed, in recent years (up until the control date), overall scallop landings from the General Category (excluding Limited Access participants fishing off DAS) were 1.03% of overall landings in 1999, 3.80% in 2000, 4.33% in 2001, 2.35% in 2002, 3.04% in 2003, and 5.35% in 2004. Any allocation should be included in this range, perhaps as an average, because the time period encompasses periods of high and low scallop abundance, as well as different points in the abundance cycle for a range of other New England and Mid-Atlantic fisheries. The average of the annual percentages for 1994 to 2004 inclusive was 2.93%. And, of that approximately 3%, approximately one-third (1% of the overall scallop landings), came from incidental catches of scallops in directed fisheries for other species. In addition, the Scallop Committee and Council had begun developing General Category measures, using a 5% allocation, which represents the upper end of the pre-control date historic range.

As explained in detail in FSF's introductory remarks, a fair and equitable allocation should reflect the many forms of investment the Limited Access fleet has made in developing the scallop fishery into one of the Nation's post-Sustainable Fisheries Act success stories. The Limited Access fleet sacrificed the most for, has the most invested in, and is the most dependent upon, the long-term success of this fishery.

III. Dual application for limited access vessels

Certain Limited Access participants, particularly in New Jersey because of its unemployment laws, have fished under General Category rules to maintain their crews. This is perfectly legal and consistent with applicable regulations. In any event, no vessel should be considered for exclusion from the General Category unless the Council proceeds to implement a limited access fishery for the directed dayboat sector. Furthermore, separate and apart from any new limited access category, certain Limited Access scallopers have permits in other fisheries and they should be able to continue to land scallops caught incidentally in their permitted, directed fisheries for these other species.

If the Council does proceed to consider such an option, the Ad Hoc General Category Scallop Advisory Panel should include those members of the Council's Scallop Advisory Panel who have operated a Limited Access scallop vessel under General Category rules, in addition to those members who hold General Category permits, in order for the Council to gain a true understanding of the scope, scale, and rationale for the fishery.

IV. Use of hard TACs in the general category fishery

A hard TAC for the directed dayboat sector should be considered as an option if a hard TAC is required by the other management options selected. However, a hard TAC should be considered only in conjunction with other General Category measures, such as limited access for a directed dayboat fleet, which will ensure that any such TAC can be set and maintained at a fair and equitable level of the overall scallop catch. Specifically, the primary measure in Amendment 11 should be to limit access to, and hence capacity in, directed dayboat scalloping.

A hard TAC should be one alternative considered in conjunction with such new limits, albeit a hard TAC would be less necessary if access is limited to a sufficiently discrete number of qualifiers and if other input controls (such as DAS and the 400-pound trip limit) are applied to this limited number of qualifiers. The more vessels that qualify under Amendment 11, the more demands there will be for suboptions under any quota system to divide the catch by area, sectors, seasons, and the like. Finally, other alternatives that build on the Council's success with individual allocations in the Limited Access fleet should also be developed, such as individual limits on the number of trips for the qualifying members of the General Category fleet.

If hard TAC management is adopted as part of Amendment 11 for the General Category, it should not be required for the Limited Access fishery. The two fisheries are different and require different management. The existing Limited Access sector is already subject to a combination of input and output controls (open area DAS, access area TACs, crew size limits, ring size and twine top limits) to limit mortality.

V. Use of sectors and harvesting coops (Dedicated Access Privileges)

The Council should ensure that the fishery it creates in Amendment 11 is confined to dayboat scallop fishing on coastal scallop beds, in vessels that are consistent with this fishery's historical roots. Amendment 11 should not allow, through the creation of sectors or other forms of consolidation, for the grouping of poundage onto larger vessels capable of and planning to fish offshore.

More specifically, historic directed dayboat scalloping has been filling a demonstrable niche in the fishery by harvesting coastal scallop beds. This dayboat fishery has also provided an entry-level, owner-operator-based fishery that tends to have been located in small communities, often without the infrastructure to support an offshore fleet. This fishery is worth maintaining for these goals. These goals would not be met by allowing 10 dayboat permit holders to get together, essentially as passive investors, and add what amounts to another full-time, off-shore vessel by consolidating their allocations onto one large vessel.

Further, Amendment 11 is, and should be, on a fast track. As recent experience from herring has shown, the development of sectors and harvest coops can be complicated and potentially time-consuming, if the Council wants to understand their actual allocative impacts. Accordingly, the Council may ultimately need to allow for the development and consideration of these approaches once Amendment 11 is completed.

VI. Landings of incidental scallop catch

Vessels that do not qualify for a new limited access permit under Amendment 11 should be allowed a minimal level of incidental scallop catch, to accommodate historical fishing patterns and prevent discarding of scallops in directed fishing for other species.

Paul J. Howard, Executive Director
March 6, 2006
Page 10

Collier Shannon Scott

As noted above, the incidental catch permit should remain open-access. There are currently no issues with this sector of the fishery, and thus no pressing reason to change the rules, other than to develop alternatives to insure that such catches truly remain "incidental" to other, primary fishing efforts. In that regard, perhaps a good definition of incidental might be is that proposed in Framework 17, of 40 pounds per day fished.

A true incidental catch limit, tied as it should be to vessels fishing under rules of other, directed fisheries and set at a number that would not be profitable to entice vessels to engage in directed scallop trips, is a historical use that should be protected under Amendment 11. Incidental scallop landings have accounted for only a fraction of the total scallop landings. It is simply a completely different fishery, and should be treated as so under Amendment 11, from the directed dayboat scallop fishery that is in part historical, but also in larger part a recent phenomenon created by the confluence of the Amendment 4 General Category rules, record scallop prices, and historically-high levels of abundance.

VII. Change the fishing year

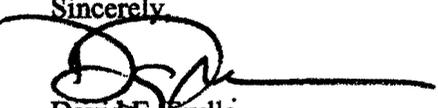
The Council should not change the fishing year at this time. Such a change would represent an added complication, and one which the Council has already considered and rejected as part of Amendment 10.

Furthermore, consideration of changing the fishing year is premature until NMFS figures out how it will replace the *R/V Albatross* surveys. If the Council wants to ensure the fishing year corresponds with the survey over the long run, it should thus wait to know when and how the new surveys will operate.

Changing the fishing year should not be done casually or repeatedly, as it will cause severe disruptions to the established seasonal practices of the fishery and scallop markets. Thus, the Council should not change the fishing year, only to have to consider changing it again when its new survey approach is developed.

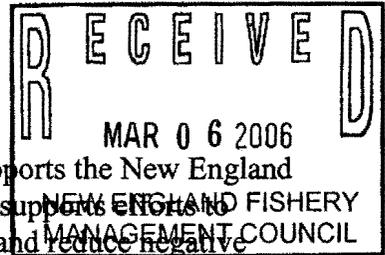
Thank you again for this opportunity to comment on the Amendment 11 scoping. Please do not hesitate to contact us if you have any questions or require additional information. FSF representatives will also be participating in the Amendment 11 process, and will provide additional comments and perspectives, as appropriate.

Sincerely,



David E. Frulla
Shaun M. Gehan

Counsel for the Fisheries Survival Fund



The General Category Scallopers' Coalition of New England supports the New England Fishery Management Council's desire to reduce overfishing and supports efforts to reduce by-catch, increase scientific understanding of the stocks, and reduce negative impacts on habitat critical to rebuilding groundfish stocks. We strongly support efforts to ensure the economic vitality of small fishing communities.

We also wish to build on the successes of the ideas put forward in the Amendment 10 process. It is very clear to us that leaving 80% of the stock behind on the fishing ground to enable the remaining scallops to continue to grow and spawn is the way to go. Rotational management, seasonal closures and areas closed to protect habitat and to allow the scallop biomass to increase are critical to the future for this fishery. Any changes in to the fishery brought about by Amendment 11 should be reflective and supportive of these key management methods.

We are committed to working with the Council on its shortened timeline, and we are pleased to present these comments.

Allocation

Allocation is the single most important issue facing the Council and once this issue is decided, we believe many of the other issues can be quickly resolved.

There should be a separate allocation for general category and limited access fleets and each should be managed following methods laid out in Amendment 10.

The Coalition requests a substantial amount of the total allocation of scallops located economically and safely within reach of directed day boat scallopers. We also request with proportional access to days or pounds in existing and future rotationally managed areas.

We request a fair and reasonable allocation substantially higher than the so-called historical norm of 2 – 5%. Today the scallop resource is larger than predicted and the DAS fleet has made record profits. We appreciate the past efforts of the DAS fleet to help rebuild the stock and understand their desire to capture as much of the resource as possible. However, we do not believe that a small class of boat owners should have exclusive ownership of a large public resource. We believe the resource is large enough so that all scallop fishermen can reasonably participate through an allocation that reflects today's realities.

The general category fishery has historically been retarded from growth because there weren't enough scallops close to home. Strong fishing pressures brought about through historic overcapacity, overcapitalization and aggressive targeting of inshore scallops by the DAS fleet reduced the local biomass. Amendment 10 changed all that.

As a result, the directed day boat fishery in New England is only now just evolving due to positive changes in the fishery which draw the DAS fleet to other, higher value areas.

This allows once heavily targeted areas within approximately 50 miles of shore to build biomass. If the directed boat fishery can responsibly participate in this fishery, it rightfully deserves substantial access to this resource.

Current and future management methods will continue to create significant scallop resources within safe economic reach of day boat scallopers. Fishermen like to return home to their families at night when they can. Some harbors are natural for smaller boat fisheries as frequent shoaling or shallow waters prevent access by deeper draft vessels. Small fishing communities ravaged by groundfish closures deserve to have a local fishery that works for them. The day-boat scalloper naturally lands a high quality product and consumers understand this additional quality and value. This can keep the bulk of monies earned by the day-boat scalloper in the immediate community.

We know that DAS captains and crew look forward to the day when they can “retire” and start fishing their own general category small vessels and know that the 2 different classes of access, while often in opposition to each other, each are part of the same fishery and that which benefits one benefit both.

Allocation issues when fully addressed in light of overfishing and overcapacity will allow a more full discussion of the allocation of TAC among regions, gear type and bycatch / incidental fisheries.

Manage Overfishing Regionally and Fairly

To fully address overcapacity and overfishing as the predominant concerns of Amendment 11, we need to understand in what regions and to what extent overfishing is occurring. FW 18 states that mortality is 2 times target in the Mid-Atlantic, and it is about 50% target in Georges Banks areas so we are firmly in support of reducing fishing mortality where it is occurring. Simply creating a limited access fishery and lowering effort or the number of vessels equally across the entire general category fishery will not likely fairly or fully address the issue.

It is clear that the general category catches only a fraction of scallops that the DAS fleet captures; subsequently if the general category fleet needs to take a reduction in effort it should be proportional to that, if any, which the DAS fleet will take. Otherwise, focusing on the general category fleet to address overfishing without regard to the DAS fleet is economically disproportional and simply unfair.

Anecdotal information indicates generally accepted deckloading practices wastefully kill approximately 10% of scallops landed. Better understanding and practices might allow some portion of these unnecessary losses of tens of millions of dollars to be allowed to live to grow and reproduce for harvest later.

One participant suggests another approach to reduce mortality might be to go to 4.5 inch rings across the entire scallop fishery. Others suggest only minimal cuts in capacity would be necessary if wasteful deckloading mortality is greatly reduced.

We understand that the biological stock is viewed as inseparable, yet wish to reinforce the fact that NEFMC recognizes 5 distinct fisheries:

The management unit for the Scallop FMP consists of the sea scallop resource throughout its range in waters under the jurisdiction of the U.S. The five resource areas generally recognized within the management unit are: (1) Delmarva; (2) New York Bight; (3) South Channel and southeast part of Georges Bank; (4) Northeast peak and the northern part of Georges Bank; and (5) the Gulf of Maine. The Delmarva area includes scallops as far south as North Carolina (NEFMC 2003). (quote taken from Scallop Framework 18, December 2005, Section 3)

Any discussion of methods to address overfishing must be couched in light of unique aspects of each of these 5 areas. What works well in one area may not work in others. Regional quotas, limited hard TACs, rotationally managed areas or other means to allow effective management are necessary.

The adoption of VMS may curb a substantial amount of the growth through the reduction of illegal catches; at the very least it will substantially increase our understanding of the fishery. A best approach would delay any changes to the fishery until several years of data have been acquired through this significantly improved system so that decisions are made on best available data. At the very least, groundwork needs to be laid in this Amendment to allow flexibility to more dynamically address regionally changing conditions as understood by ongoing improvements gained through increasing use of technology.

Creation of a Limited Access fishery out of the General Category

We absolutely support the transition of the general category fishery to a limited access fishery as we understand this will be a more easily managed fishery. This appears to be a good way to slow growth and excessive new entrance to the fishery. Yet since recent growth and new entrance appears to be heavily weighted to the southern states, where overfishing is happening at twice target with new entrants in the Mid-Atlantic landing 22% of general category scallops in 2004, it seems natural that key efforts to address overcapacity or overfishing should be regionally or geographically focused.

Regulated species bycatch TAC should be more easily managed with a limited access directed dayboat scallop fishery. Through the use of VMS and bycatch hard TAC's, the small mesh closures and exemptions should become a thing of the past, thus reducing enforcement efforts.

We support **uniform rules** for gear use; specifically we support a single 10.5 foot dredge (bearing the standard 4 inch rings / 10 inch twinetop) as the maximum sized dredge gear used by a directed day boat fishery to target scallops. We also support the Shinnecock line and wish to allow boats to cross this line only if they have intentionally declared in to one fishery and out of another for a minimum of time such as 30 – 60 days.

We also support some way to **allow controlled new entry** as an absolute control date disallowing any new ongoing entry will unnaturally constrain the evolution of the fishery. Suggestions to resolve this difficult issue include the creation and use of a sternman or apprentice program as used in Maine for lobster, or some form of new permit generation through a lottery, family participation or to reward unique contribution to the industry.

Generally, **we support the use of a control date** with history or other methods to lower overcapacity and limit effort to legal and traditional users of this resource. We also support any increase in enforcement activity to reduce illegal fishing or landing of scallops and wish to note that some landings history may be under or over-reported and may be the result of state and federal oversight. Of course, it is not known how much landings history is a result of mis-reporting. Not fully taking this into account may increase or discount future access to the fishery in a disproportionate way.

In our view, the “best use of science” should include a clear intention to increase understanding of methods to increase information and decrease illegality, especially in light of reduced enforcement workforces and increased workloads and base any adjustment on scientifically solid numbers. We’ll bear the hardship, as illustrated by the over 800 vessels purchasing VMS even though they may be prevented by fishing through the implementation of the November 2004 control date.

Learning from DAS to answer questions about allocation, TACs and limited access

There are many good refinements that the DAS fleet has developed over time that the evolving directed day boat scallop fleet can benefit from such as the ability to trade days, the “tiering” of vessels into different type permits such as small dredge, part time, occasional and full time access, the use of hard TACs and other measures to limit bycatch, the use of closed and rotationally managed open access areas to improve recruitment and reduce mortality while landing the same or greater weight of scallops per unit of effort.

There should be a provision in the new directed day boat fishery for vessels in varying circumstances to be somewhat self-limiting by vessel size, power, range, weather and other reasonable limiting factors. Boats targeting over 100 days of fishing per year should be controlled for and allowed, with the bulk of permits targeting the more common 30 – 60 days per year, perhaps through the issuance of tiered permits much like the DAS fleet has developed. Ideally, the permit holder should be able to move in a controlled fashion from one type of permit to another without substantial penalty in the event of an increasing or decreasing biomass.

We also support the idea that no limited access vessel should hold more than 1 limited access permit for that species.

Dedicated Access Privileges

We also **strongly support the idea of dedicated access privileges** to more effectively manage access to the fishery and to lessen conflict and manage for critical habitat and lower the burden of management as necessary by the Council.

Ideally we would like to see an inshore area, approximately delineated as a “50 mile limit” that designates an inshore zone for the directed day boat fishery fleet, where larger DAS boats are limited in access to this zone.

Our Coalition has been working with the Cape Cod Commercial Hook Fishermen’s Association to more formally address this issue. We feel that allying ourselves with organizations of this caliber will significantly advance our understanding and ability to manage and adapt to future changes.

We are beginning to work with the Hook and Gillnet Sectors and with members of the Habitat Council to work towards local control to eliminate gear conflict and to lessen impact on areas critical for groundfish spawning.

Other Considerations Not Mentioned in Scoping that should be included

We also would like to put on record our desire for the following measures to be considered now or in the future:

Increased use of Science and Management Methods

We also wish to support the additional increased use science and management methods, particularly the use of TAC Set-Asides to fund observers and research. This past summer many general category boats assisted voluntarily and informally, without any compensation to support an RSA project entitled “Increasing the Economic Value of the Atlantic Sea Scallop” and many have expressed interest in participating in additional research.

RSA funding, to date, has rarely been awarded to any efforts proposed by or to uniquely benefit the general category partially due to the economies of scale necessary to conceptualize, fund and conduct this type of research. Some method should be created to more fairly allow the general category to participate in research given that the scale is naturally tilted to the individuals and organizations better off economically due to 10 years of prolonged growth of biomass and increases in price in this industry. Furthermore, the dayboat fishery, because it tends to be an owner-operated fishery, tends to not have good on-shore representation so methods and money should be directed to this somewhat disadvantaged fishery so that they can become more sophisticated, much like the larger DAS fleet has done.

Demarcation Line

Please consider the implementation of a demarcation line outside of which any 1B permitted vessel fishing for scallops while shucking is not limited to possession of not more than 400 pound or 50 bushels. Standard practices where up to 90 bushels shuck out to 400 pounds of scallops cause most 1B vessels while fishing to be in violation of this rule at most times. By using a simple demarcation line (eg the VMS demarcation line), any 1B vessel found inside of this line with more than 400 pounds or 50 bushels would be in violation. This would substantially lessen enforcement efforts with minimal risk.

Closed Area II

We wish to remind the council that the general category has been awarded 2% of TAC in closed areas. Due to the 400 pound possession limit and the size of our vessels, we have not been able to take full advantage of this lucrative fishery and wish to renegotiate, roll-over or trade this uncaptured resource for access to other areas much like the DAS fleet is able to do.

New Forms of Product

Please plan for the future that roe-on, live or other approaches to add value to the scallop catch need to be considered with this or any future Council actions. For instance, a boat may conceivably be landing considerably more than 400 pounds of roe-on scallops, based on the exact same mortality from 400 pounds of adductor muscles, yet there is no provision in the laws for this.

Permit Transfer

We need a clear and well understood legally acceptable method to transfer permits and permit history between qualified scallop fishermen that fairly reflect past history and the ability to use that history toward resolving future allocation issues.

More Clearly Address Overfishing as Management Tool for Scallops

Overfishing as a scallop resource management tool should be more fully examined. Scallop stocks are sedentary and closed area rotational management does not work optimally under the traditional definitions of overfishing. Provisions need to be made to more fully address the difference of the scallop stock.

Respectfully Submitted by

Geoffrey Day
Executive Director
General Category Scallopers' Coalition of New England
PO Box 300261
Cambridge, MA 02140
617-576-2100

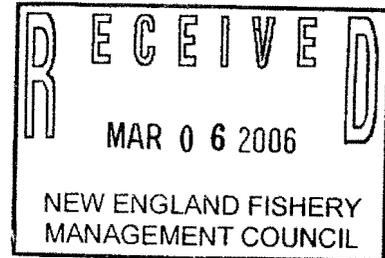
CIANCIULLI & OUELLETTE
ATTORNEYS AT LAW AND PROCTORS IN ADMIRALTY
A Professional Association

163 CABOT STREET
BEVERLY, MASSACHUSETTS 01915

Stephen M. Ouellette*
Lori A. Cianciulli

David S. Smith*

*Also Admitted in Maine



Telephone: (978) 922-9933
Facsimile: (978) 922-6142

E-mail: fishlaw@aol.com
<http://www.fishlaw.com>

March 6, 2006

Frank Blount, Chairman
New England Fishery Management Council
50 Water Street, Mill 2
Newburyport, MA 01950

Re: Comments on Scoping Document for the General Category Issues

Dear Mr. Blount:

I have been asked to submit comments on the scoping document for the proposed amendment to develop new rules for the general category scallop fishery for a number of general category vessels fishing from the Barnegat Light area. We offer the following comments and suggestions:

It is apparent that the general category has evolved into a different fishery than that initially envisioned under Amendment Four to the Atlantic Sea Scallop Fishery Management Plan (the "FMP"). In response to a number of changing elements, including the increase in scallop availability, declines in other stocks, harvesting restriction in other stocks to meet rebuilding deadlines and the increase in prices, a number of vessels have transitioned into the general category scallop fishery. As a result of this, general category landings have risen dramatically as a percentage of the overall TAC. Participating vessels have also become economically reliant on the fishery, and the daily landings of fresh scallops have developed into an important element of the market. While it seems appropriate to take steps to limit the growth in this fishery, my clients believe that the new measures should preserve the newly developed fishery, at the 2004 levels.

The primary impetus for the proposed amendment is from the limited access vessels, concerned that increasing landings may erode their access and negatively impact the successful rebuilding to date. There is no question that limited access participants have borne a significant burden of the recovery, or that it is through their efforts great strides have been made in returning this fishery to a healthy condition. Nonetheless, the recovery of the stock and increase in market price have created a scenario of success that few could have imagined when Amendment 4 was implemented. With TACs expected to rise, the imbalance between the scallop fishery and others will increase. The traditional fishery would see a shift in effort to the scallop fishery by many more vessels, but this tradition is now prevented by the limited access program in place. My

CIANCIULLI & OUELLETTE

Frank Blount, Chairman

March 6, 2006

-2-

clients would like to see the general category fishery maintained; at least as it had developed through the 2004 control date, with establishment of a new limited access permit.

The initial question is how the fishery should be allocated. This is largely a judgment call to be made by the Council. Reportedly, general category landings had increased to about 5.8% of total TAC in the year leading up to the November 2004 control date, including limited access vessels outside of their DAS. Since some vessel may have had higher landings in prior years, a larger percentage may be necessary to effectively anticipate the total percentage necessary to sustain the general category. My clients suggest that the council consider an allocation around 5.8% of the total scallop allocation, for the new limited access category. This percentage might have to be increased slightly if some vessels had higher landings in prior years, as not all vessels had their peak landings in 2004. This would also include limited access vessels fishing outside of their scallop DAS. Since DAS and associated trip limits will be set based on maximum fishing effort in 2004, this will effectively establish a quota system that has the same effect as a hard TAC.

My clients strongly support the 2004 control date, and believe that vessels' participation in the years prior to 2004, should be used to qualify vessels for the new limited access permits. The new limited access permit should be based on individual days at sea, either the total pounds landed in a vessel's highest year from 2000-2005, divided by 400 pounds or actual days fished. Annual allocation will be established by increasing or decreasing either the available number of days, or possibly trip limits.

My clients oppose extending qualification periods for vessels that claim they were in the process of switching over to scalloping. This clearly creates a danger of being overly inclusive and would require either a reduction in effort for vessels that were actively engaged in the fishery prior to the control date, or would require a greater allocation to the new permit category. My clients contend that the public was given adequate notice of the control date and all should be bound by it.

Landings in the new limited access category should still be controlled through the same 400 pound landing limit and would still be a small boat fishery. Vessels should be permitted to consolidate their DAS and or to lease them. Since the proposed limits on the new limited access permits will be based on DAS and trip limits, few other controls are necessary. Vessels in the southern areas should be allowed to fish up the current maximum dredge size. Even limitations on vessel size and horsepower appear unnecessary, as trip limits/vessel allocations remain the primary control. Leasing and consolidation should not be limited by vessel size or horsepower.

CIANCIULLI & OUELLETTE

Frank Blount, Chairman

March 6, 2006

-3-

Because of the changing conditions of scallop stocks, particularly in inshore regions, some of which are not even included in the stock assessment, it may be desirable to continue a very limited open access category, perhaps 1% of the total TAC, in addition to the 5.8% set forth above. This would be subject to DAS limitations, possibly as low as 10-20 days per year to start, a low daily trip limit of 200-300 pounds per day, et., in turn limited by hard TACs, possibly by region or season.

We look forward to working with the advisors, other industry groups, the Scallop Committee, Council Staff, and the Council in developing a fair and equitable allocation for the current general category participants and limited access vessels and development of appropriate management measures for the general category.

Very truly yours,

/s/ Stephen M. Ouellette

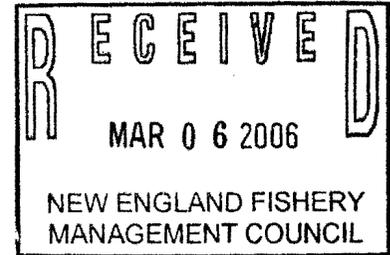
Stephen M. Ouellette

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Tuesday, March 07, 2006 4:34 PM
To: Deirdre Boelke
Subject: [Fwd: Atlantic Sea Scallop Amendment 11 Scoping Comments]

----- Original Message -----

Subject: Atlantic Sea Scallop Amendment 11 Scoping Comments
Date: Mon, 06 Mar 2006 22:55:03 -0500 (EST)
From: Marlinblackxxx@aol.com
To: ScallopScoping@noaa.gov



Paul J. Howard-

Mr. Howard I could not let the March 6 deadline for comments pass without voicing some observations that I have made. I was in attendance at the Feb. 21st meeting in Cape May Courthouse and have pondered many of the questions raised and have spoke with many general category guys in the Point Pleasant NJ area.

In order for proper disclosure I should state that I am not presently in the fishery but am in the process of buying a general category vessel with a catch history prior to the control. I think it is only fair to inform you of that fact.

During the meeting in Cape May the first few speakers were limited access vessel owners and consultants and captains and it seemed that they would all like to participate in the general category fishery, place a hard tac on the general access fleet, and did not want to allow the general fleet very much in the way of a percentage of the total catch. They raised concerns about the health of the scallop biomass but would not like a hard tac placed on themselves. This being the first commercial fisheries meeting of any sort that I have attended I found it interesting. Towards the end of the meeting a general access vessel owner spoke and brought up a very valid point. He said that the limited access was doing just fine a few years back when the total catch was 20-30 million pounds and now their catch is in the range of 53 million pounds and they do want others to participate. Now I don't care who does the math even at \$7/lb, each boat in the limited access fleet grosses around 1.5 million a year. With 25% of the permits owned by 9 companies I find their genuine concern for the health of the biomass a bit less than sincere. As I understand it they will soon be allowed to stack permits which will cut overhead and reduce more jobs in the future and continue to concentrate more wealth to a few at the cost of the many. From what I have heard a similar situation took place in the clamming industry.

My points are these-it seems very clear to me-let's not over manage

1st-Do not let new applicants into the general access fishery 2nd-Do not allow limited access vessels to participate in general access fishery 3rd-See what happens to the price-if it drops the fishing pressure will subside with no more management needed-if not- 4th-Use the Nov.1, 2004 control date-discover how many boats are left in the fleet-still to much pressure- 5th-Limit days allowed to fish-5dys/week-no sat/sun 6th-Cut days further 7th-Institute hard TAC on total fishery not just one part

I think by that time you will see the cyclical effects of the fishery and it will be a price issue rather than a pressure issue.

It seems hard to see how a TAC could be placed only a part of the fishery if the true motive of a TAC is concern for the biomass especially if it only applies to 10-15% of the total catch. How would it work-okay 850 boats are allowed 6.5 million pnds and you other 250 go ahead and catch 50,60,70 million pounds. That would not appear to be concern for the biomass,or concern for the couple of thousand of fisherman who would be

affected. I would move slowly-there does not seem to be a need to take multiple steps at once.

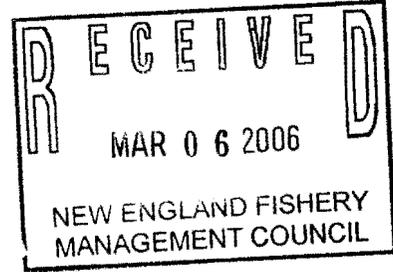
I am not educated enough on the idea of sectors and harvesting coops to know if they are a good idea. I would like to say as a newcomer to the entire fisheries management world there seems that there should be some information given to an applicant for a permit. If someone applies for a general access permit today nobody at nmfs makes them aware that a control date has been set and what that means. At least send them the info when they send out the application.

Regards,

William DiCianni
Long Branch, NJ
732-222-0296

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Tuesday, March 07, 2006 4:34 PM
To: Deirdre Boelke
Subject: [Fwd: Amendment 11]



----- Original Message -----
Subject: Amendment 11
Date: Mon, 06 Mar 2006 15:13:28 -0500 (EST)
From: BaileysOystersCo@aol.com
To: ScallopScoping@noaa.gov

March 6, 2006

Dear Mr. Howard,

As a Day/General Category Scallop license holder, I had the pleasure of attending both the meeting in Boston in 2005 and also the meeting in Cape May in February of this year. I walked away from both meetings not sure how the control of the GC Quotas was going to be handled. A suggestion was made at the Boston meeting to install Sky Mate/Boat Trax, which was put into place in December of 2005. This cost me approximately \$10,000.00 for each of my vessels to install & maintain these systems. However, this has cut the 400 pound boat fleet by 70%. I feel now that this system is in place the control date should be reset to December 2005 for a true study of the fleet catch rates and size of operating vessels.

In reference to the issue of eliminating GC category boats, I am suggesting a maximum of 200 working days per year, with a maximum dredge size of 16 foot, which will further reduce catch amounts by GC Boats and possibly making it limited entry as of December 2005. These are compromises I feel are necessary because it would be extremely unfair to eliminate GC category boats after making all boats install Sky mate systems at approximately \$10,000.00 in order to keep their existing permits.

I also do not feel this is a stock issue because the stock is there. I feel it is an issue of a few people wanting to monopolize this viable fishery. This fishery is helping a few small operators earn a living and maintain their businesses. I myself, have three General Category vessels which employ crews and captains, and this would be a serious economic hardship to the crew, captains and their families.

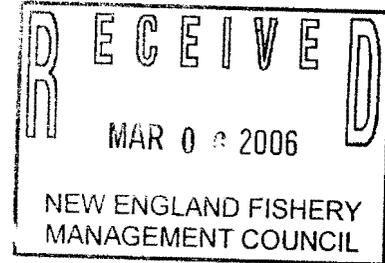
Thank you for your considerations. If you have any questions or concerns, please do not hesitate to call me.

Sincerely yours,

Scott R. Bailey
Bailey's Oysters, Crabs & Soft Crabs, LLC
(856) 207-2239

Deirdre Boelke

From: ScallopScoping [ScallopScoping@noaa.gov]
Sent: Tuesday, March 07, 2006 4:34 PM
To: Deirdre Boelke
Subject: [Fwd: Att: Mr. Paul J. Howard]



----- Original Message -----

Subject: Att: Mr. Paul J. Howard
Date: Mon, 06 Mar 2006 20:24:39 -0500 (EST)
From: Cjob96@aol.com
To: ScallopScoping@noaa.gov

Dear Mr. Howard,

I attended the Scallop meeting on February 21, 2006 in Cape May County, NJ. I own and operate a commercial fishing vessel, and hold a Category B, General Scallop Permit. I would like to see the Control Date of November 1, 2004 go into effect. I have been fishing for the last twenty years, and in January of 2004 was finally able to afford to purchase my own fishing vessel. I have invested much time, labor and money on pursuing my life's dream. I purchased and had the VMS installed almost immediately upon receiving information that this was a new NMFS requirement. All of my fishing logs to date are completed and turned in to NMFS as well. I feel that, while fishing over the past twenty years, attending Tuna & Monkfish Meetings, working deck and also running other people's boats as Captain, that I never could see a "light at the end of the tunnel", as whichever working fishery at the time was going through amendments and regulations, some better than others. Perhaps a consideration would be to recognize a percentage of income that GC applicants that have abided by all regulations thus far and have the control date pertain to income made from Scalping and other Fisheries from vessels other than their own, being that in this business, most people have to work their way in more than one fishery and be versatile to be able to finally afford a fishing vessel of their own. Thank you for your time and consideration.

Sincerely,
Capt. Craig O'Brien
FV Julianne

DON MYERS

F/V CASSIAR
F/V SNOOPY II
~~XXXXXXXXXX~~

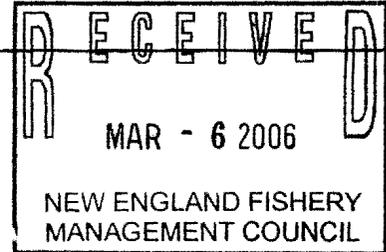
P.O. BOX 146
WEST CREEK, NJ 08092

HOME - 609-296-9343
CELL - 709-9765
FAX - 296-8043

3/6/06

To - NEFMC

RE - Scallop Amend, 11 Scoping Comment.



I support -

- 1 - NEW LIMITED ACCESS G.C. PERMIT
- 2 - THE CONTROL DATE FOR QUALIFYING
- 3 - INDIVIDUAL DAS
- 4 - THE G.C. SHOULD BE ALLOCATED 5.8% OF THE TOTAL.

To Qualify -

- 1 - PICK YOUR BEST YEAR (REGARDING DAYS FISHED) IN THE 5 YEARS PRECEDING THE CONTROL DATE (2000-2004)
- 2 - EACH DAY YOU FISHED WOULD BE COUNTED AS 1 "SNARE" (THIS WOULD BE A PERFECT 'GAUGE' FOR PART PARTICIPATION)
EACH SNARE MIGHT BE WORTH 1 DAS OR $\frac{1}{2}$ DAS OR
HOWEVER IT WORKS OUT AS A PERCENTAGE OF THE TAC.
THIS WOULD MAKE IT EASY FOR NMFS TO REGULATE DAS UP OR DOWN AS NEEDED (DAS X 400 = TAC)

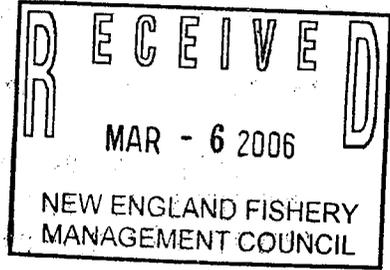
I ALSO SUPPORT -

- 1 - 400 LB. PER DAY TRIP LIMIT
- 2 - Dual Application For L.A. VESSELS (THEY WERE PART OF THE 5.8% IN 2004)
- 3 - HARD TAC FOR EVERY SEGMENT OF THE FISHERY (WE WOULD NEVER GO OVER WITH DAS & Daily limit)
- 4 - PERMIT STACKING & DAS LEASING REGARDLESS OF BASELINE SPECS.

I DO NOT SUPPORT DEDICATED ACCESS PRIVILEGES (TOO COMPLICATED, SEEMS LIKE SIMPLE IS ALWAYS BEST)

THANKS
DON MYERS

New England Fishery Management
Scallop Management
General Scallop Comments
50 Water Street
The Tannery Mill 2
Newbery port MA 10950



Dear Sir,

Wanchese Fish Company has vessels with Limited Access Scallop permits. General Scalloping is a traditional part of the scallop industry, Management of scallops and the related price increase has created is the problem with general category.

The moratorium date should be moved to 2006

A line should be drawn from Maine to Carolina allowing general scalloping to the West & limited access vessels scalloping to the East. Closed areas could have a similar line. Vessel tracking lines from years back should be used to help establish where the North South line be drawn.

Currently scallops die of old age (not thick enough to use open area limited access days at sea.)

General Scallopers harvest from areas closest to shore; this should be allowed to continue. The line will make management simple.

Thank You,

Joey Daniels Wanchese Fish Co.
03-02-06

PO
BOX 369

WANCHESE
NORTH
CAROLINA
27981

919
473-5001

919
473-5004
FAX

fishery in three distinct ways: 1) seasonal directed fishery as an adjunct to other limited access fisheries, and 2) bycatch in the limited access groundfish fishery.

2-01

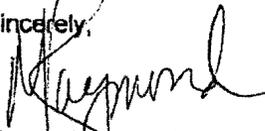
Regarding Amendment 11 to the Scallop Fishery Management Plan AFM endorses:

- Adherence to the November 2004 control date for determining eligibility for a new "limited access" permit in the general category scallop fishery.
- Qualification criteria (landings history) for the new "limited access" permit that reflects a significant level of dependence on the fishery.
- A "tiered" permit system that would assign differing levels of future participation. One "tier" for qualifiers (described above) and a separate "tier" for non-qualifiers that also have a history of general category scallop participation within the existing small dredge exemption area in the Gulf of Maine. Future participation for this tier would be at a reduced number of opportunities (trips, not trip limits), compared to the new limited access tier, and would also be limited to the existing small dredge exemption area in the Gulf of Maine.
- Hard TACs only if they are applied to the entire fishery, and only if they can be structured to prevent derbies (e.g. seasonal distribution of the TAC and/or individual allocations).
- Sector allocations that are based on history of participation by sector members, not on set-asides (e.g. "community allocations").
- Bycatch allowance for other fisheries that reflects recent actual bycatch numbers. For the groundfish closed area II special access program, a different bycatch allowance may be prudent if data from the special access program supports an increased bycatch allowance as compared to average bycatch levels in other fisheries.

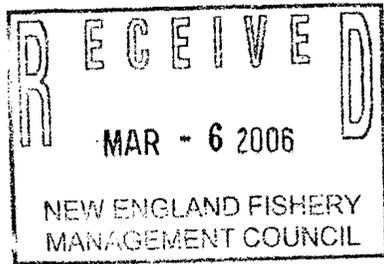
AFM looks forward to working collaboratively with the Council to ensure to the extent possible that the needs of our members are met while simultaneously crafting a biologically sustainable management regime for the general category scallop fishery.

As always, we appreciate your consideration of our views.

Sincerely,



Maggie Raymond
Associated Fisheries of Maine



Dallas W. Huckins
PO Box 371
Machiasport, ME 04855
(207) 255-0725
March 1, 2006

Paul Howard -

I am writing in regards to the general sea scallop regulations you are trying to put into effect.

I received a letter in September 2005 stating that in order to keep my 400lb limit license I needed to install a VMS on my fishing vessel.

So to keep my license I then had to install a generator to run the computer I also had to purchase to go with this VMS. I then had to buy rigging for scalloping so I would not lose my license. This combined has cost me approximately \$70,000.

When I put all of this money and work into my boat I was never informed of any possible date of Nov 2004 having to have previous scallop landings.

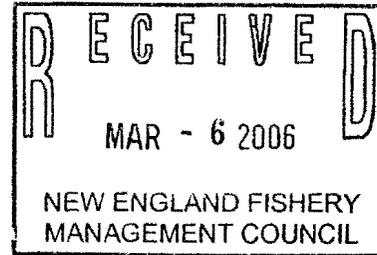
Therefore I feel you should not be able to use a cut off date for any fisherman who went ahead and installed the VMS.

If any restrictions at all are to go into effect, which I am against, the people who purchased the VMS instrument should be able to keep their 400 lb licenses.

Please feel free to contact me in any way regarding this matter.

Sincerely,
Dallas Huckins

John D. Wood, F/V Mistress II
P.O. Box 173
Machiasport, Me 04655
Home: 207-255-36850
Fax: 207-255-5841



January 28, 2006

New England Fisheries Management Council
RE: Atlantic Sea Scallop Amendment 11 Scoping Comments
Seven specific scoping issues

Issue #1 – Limited Entry

Control Date: The November 1, 2004 control date must be adhered to. In addition to the control date three to five year prior landings, or 3-5 consecutive years of landings, should also be considered to protect the historical participants that have been using the GC as a directed fishery for years and this would reflect a significant level of dependence on the fishery.

Impacts: With the November 1, 2004 control date the number of participants would drop to between 407 and 425. And with the three to five years of prior landings also being part of the qualifying criteria, it would lower the participants to between 300- 352, which is where it has historically been.

Issue #2 – Allocation

The allocation for GC should be set at 15 % to 20 % based on the qualification criteria and the amount of GC vessels in the fleet as a result of limited entry, if this is used. The council may also want to consider allocation on an individual basis. Example "IFQ" based on past historical landings. The main goal for allocation should be determined by the size of the GC fleet should limited entry be used.

Issue #3 – Dual application for limited access vessels

The Amendment should include an alternative to prevent LA vessels from fishing under a GC permit. In the past the Council has included alternatives that prevented DAS groundfish vessels from possessing an open access hand gear permit. The same alternatives should be considered for LA scallop vessels fishing under a GC permit. The Council should include an alternative to allow an incidental scallop catch of 100 pounds for the vessels

that may not fall under the control date or additional criteria of this Amendment.

Impacts: The LA vessels would catch 75 % of the allocation, the GC vessels would catch 20 % of the allocation, and that would leave 5 % of the allocation for incidental, observer coverage, and research set aside.

Issue #4 – Hard TACs

Only if they are applied to the entire fishery, and only if they can be structured to prevent a derby style of fishing (IFQ)

Issue #5 – Sectors, DAPs

Sector allocations that are based on history of participation by sector members, not on set-asides (e.g. "community allocations")

Issue #6 – Incidental scallop catch

If limited entry is adopted for the GC fleet, vessels that do not qualify should be allowed to land 40- 100 pounds of scallops. If a hard TAC is reached and the GC fisheries closes, there should be a incidental catch limit for GC vessels based on actual bycatch numbers from historical participants when targeting other species. (E.g. groundfish boats)

Issue #7 – Change of fishing year

The fishing year should not be changed because if hard TACs were considered in the GC fishery the GC vessels in the Mid-Atlantic would have a better opportunity to land the GC TAC before the New England GC vessels due primarily because of the weather.

Sincerely,



John D. Wood

TO: PAUL J. HOWARD

RE: "ATLANTIC SEAT SCALLOP AMENDMENT II SCOPING COMMENTS"

FROM: WILLIAM MCINTYRE - F/V - SHADY LADY

RECEIVED
MAR - 6 2006
NEW ENGLAND FISHERY
MANAGEMENT COUNCIL

As a fisherman who is just converting over to this fishery from FLAG LONGLINING I AM FOR LIMITED ENTRY USING THE VMS (OPERATING CURRENTLY) TO DETERMINE WHO SHOULD BE ALLOWED INTO THE GENERAL CATEGORY. WITH 800+ VMS CURRENTLY OPERATING THAT WOULD LIMIT THE NUMBER OF GENERAL CATEGORY PERMITS TO ROUGHLY 35% OF TOTAL GENERAL CATEGORY PERMITS - GREATLY REDUCING THE FLEET.

ALLOCATION SHOULD BE DETERMINED ON AN INDIVIDUAL BASIS, NOT DETERMINED BY PREVIOUS CATCH RECORDS. FOR EXAMPLE IF YOU ALLOCATE 6,000,000 POUNDS TO THE GC, SIMPLY DIVIDE THAT POUNDAGE BY 800+ BOATS CURRENTLY USING THE VMS. ($6,000,000 / 800 = 7500 \text{ lbs per boat}$)

IF EACH BOAT KNOWS HOW MANY POUNDS THEY COULD CATCH THEY COULD SET THE MAXIMUM DOLLAR FOR THEIR LOAD AND THIS WOULD BE MUCH SAFER FOR ALL CONCERNED BOATS PREVENTING THEM FROM HAVING TO GO OUT IN ADVERSE WEATHER CONDITIONS TO CATCH A PIECE OF A GENERAL CATEGORY QUOTA DETERMINED BY AN OPENING DATE.

I FEEL THE LA SHOULD NOT BE ABLE TO LAND PRODUCT UNDER G.C. RULES.

I DO NOT KNOW ENOUGH ABOUT THIS FISHERY TO COMMENT ON CHANGING THE FISHING YEAR.

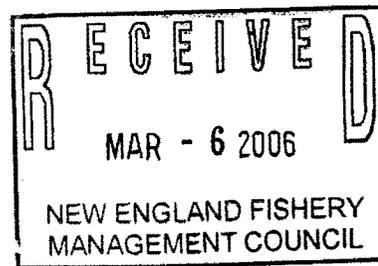
(2)

THE NMFS BY NOT HAVING A SPECIFIC DATE
OPEN WHICH PERMITS WOULD OR WOULD NOT BE ISSUED HAS
OBVIOUSLY HELPED IN MAKING A DIFFICULT DECISION EVEN
HARDER.

FOR THESE BOATS JUST GETTING INTO THIS FISHERY
(LIKE MYSELF) YOU ARE TALKING ABOUT CAPITAL OUTLAYS OF
BETWEEN \$45,000.00 - \$120,000.00 DETERMINED BY YOUR SPECIFIC
NEEDS. YOU, MEANING THE NMFS, CAN NOT SIMPLY DISREGARD
THE FISHING VESSELS WHICH FALL INTO THIS CATEGORY AND
HAVE MET ALL YOUR CURRENT PRE-EASTING REQUIREMENTS.!!

THANKS
BILL MCINTYRE
F/U - SHADY LADY
JOB # 908223

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, MA 01950
Phone: (978) 465-0492



RE: Amended copy of Atlantic Sea Scallop Amendment 11 Scoping Comments.

Dear Mr. Howard;

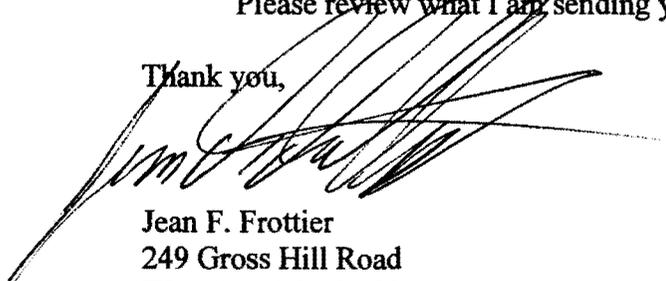
Please find enclosed a copy of my comments that has been amended to correct for my brain cramp which made me keep referring to the Scallop Framework 18 as "amendment 18", and to reflect some of what was said at the Hyannis hearing.

The reason for my extended filing, and such attention to formality, has to do with the harm that the Council has done to me, and also many others like me, with actions that are contrary to the Council's stated policy and express provisions of the MSFA. The way that things are going this ugly mess will eventually end up in court. For my part, I want the record to show precisely what I said to the Council and when.

The day that Council dealings become honest will be the day that we can begin to solve our never-ending fishing crisis. As I write you this cover letter, NMFS is proposing yet another emergency action because you folks screwed-up again.

Please review what I am sending you, and have the record show what was sent.

Thank you,



Jean F. Frottier
249 Gross Hill Road
Wellfleet, MA 02667

Atlantic Sea Scallop Amendment 11 Scoping Comments

My name is Jean Frottier, I am now 62 years old, I have been a commercial fisherman for 35 years, and I have fished full-time since 1990. I am also a commercial diver who has logged fully 11,000 hours underwater in Massachusetts state waters. Throughout the past 35 years I have fished out of Provincetown for lobsters by diving and pots, I then fished for tuna until that season would be closed, and then I would jig for cod in the Gulf of Maine and Georges Bank. This mode of fishing was clean, and it worked, until the NEFMC began their regime of mismanagement that has resulted in changing the entire environmental order of the area under their control. Much like the asteroid that rapidly changed the environmental order that once favored the dinosaurs, NEFMC policies have very rapidly reordered the New England marine environment that once favored the cod and yellowtail flounder that are today in such dire condition. As USGS/NMFS studies say, glaciers and their aftermath "resulted in habitats favorable to commercial species", but now we have a much different environment to which we must all adapt. Where we once had the underwater equivalent of a forest we today have the underwater equivalent of a plain. We must all now fish on what is left available.

The NEFMC has scheduled meetings because the council now says "there is an alarming problem with the general category landings". True to form, the council chose to form and scope a debate without any input from long-time general category stakeholders. Recognizing that trouble was coming, the NEFMC puts together an *ad hoc* committee of general category representatives, but none of what we are considering here has any input from this group. The scoping document prepared by the NEFMC also ignores one of the major causal factors driving the increase in general category effort, namely, the mismanagement of the multispecies fishery. The Director of the Mass. DMF says it well: "successful management of cod has continued to elude the New England region". This is not rocket science. When the NEFMC closed large tracts of offshore fishing grounds to bottom fishing, all that offshore effort would perforce be diverted to the remaining bottom. Like a balloon, you push in one place and it bulges in another place. With no regulations put in place to control the size and power of the boats moving their operations into inshore waters, and with no serious effort made to regulate the gear employed by such boats, the destruction of the fish stocks and the inshore bottom habitat was just a matter of time. That inevitability is today manifest. We now look to what is left.

In order to have empirical evidence of the big picture, the record of these hearings should properly contain copies of a document entitled "Relative Distribution and Abundance of Cod in the Northwestern Atlantic 1979-2005" -- derived from NEFSC Spring Bottom Trawl Surveys, and also a copy of a USGS report and map, dated July, 2001 (see Exhibit II, print copies of cumulative summer cod surveys, and copy of two page USGS paper). Looking at the surveys in chronological order, along with the excellent USGS map, one is confronted with stark and shocking evidence of the consequences of misguided NEFMC/NMFS policies. Using these maps, one can readily see that fully 11 years of groundfish "closures" have only resulted in much less cod distributed in the NCLA and CAI, little change in CAII, and a virtual disappearance of cod distribution in the open areas extending northward to Nauset Light. Why is this?

Well, much of the answer lies in the fact that under NEFMC “management” these are not closed areas, but are being administered like private fishing preserves for special interests favored by the Council. These include the limited access scallop fleet comprised of about 320 large boats, the “midwater” small pelagic trawler fleet of about 17 very large boats, and an unknown number of boats at least claiming to be charter boats. Viewed from this perspective, the groundfish boats are the ones who have, in fact, been paying for the prosperity of a few by the great decade long sacrifices of the groundfish fleet as a whole. How can you have progress with leaches living off the bottom, and cheats freely crossing the line along the “fence” (CA I, west side) because they were successful in preventing a requirement for VMS in Amendment 13 and before? All you can say here is “good job Brownie” – like in hurricane Katrina fame.

Tragically, the truth is that we are ruled by a council that has been cited by others across the nation as the poster-boy for everything that is wrong with the council system. We also have U.S. District Court Judge Kessler ruling that NMFS was “frustrating the will of the Congress” – essentially because NMFS had been rubber-stamping actions of the NEFMC which were contrary to explicit mandates of Magnuson-Stevens. This is a council that has also demonstrated contempt and prejudice towards clean fishing and towards fishermen using historical and sustainable fishing methods. For me personally, and for all other jig, hook, or drop gillnet fishermen, NEFMC prejudice translated into a continuation of the unenforceable gillnet rules which even the U.S. Coast Guard and NOAA Law Enforcement had long and often reported to the NEFMC as having “little probability of enforcement”. The result – prime bottom monopolized by illegal gillnets.

For the past nine years, every time I would go to my primary fishing grounds on the backshore of Cape Cod I would find some combination of legal and illegal gillnets parked on the bottom, and preventing me from fishing the prime bottom. These nets would remain day after day, untended for a week or more, then they would be hauled, and the totally rotten and half eaten fish discarded. Sometimes this would happen while I was trying to jig next to an unmarked net, and a State licensed boat, with absolutely no right whatsoever to fish in Federal waters, would come up and haul the net. When he tried to reset his illegal net I would yell at him, cut the end, and we would get into a big fight. However, when I would return to the fishing grounds the illegal nets would be back, and both the U.S. Coast Guard and NOAA Law Enforcement said that there was nothing they could do about it. Unless the fishing conditions had changed, these nets would be set again and again on the prime bottom, and the cycle would repeat itself.

When I tried to fish in open areas outside the carpet of legal/illegal gillnets, I would often have to confront hard bottom draggers ripping up the wrecks and rock piles upon which my mode of fishing depended. It is quite a sight to see a large dragger next to you with his gear all ripped-up and a piece of one of the treasured wrecks entwined in his gear. Or, to watch a hard bottom dragger belching black smoke as they rapidly power-up to mow-down a piece of bottom structure. Today, the productive bottom is gone and the fish are gone. Game over! I have here provided an exhibit comprised of eight (8) items, beginning with the NEFMC scoping letter for Amendment 13, dated April 7, 2000, showing what I was trying to do to stop; (a) the lawlessness, (b) the habitat

destruction, (c) the gross waste of cod and other species, and (d) to have the NEFMC itself comply with the law (see attached Exhibit I). For the record, this illegal and grossly wasteful gillnet fishing ongoing. Today it is no longer possible to continue fishing like I have for the past 35 years, and I must now adapt my fishing to the realities of the new environmental order that is in place. I intend to get a General Category B permit on May 1, 2006, and I will fight in court, if necessary, to be able to fish on the only thing left.

Now, many disenfranchised members of the groundfish fleet, myself included, need to move into the general category scallop fishery as a matter of survival. The NEFMC scallop committee, dominated by limited access stakeholders and their allies, falsely tries to paint groundfish boats left with no other options as opportunists and profiteers; "The number of permits explodes as soon as there's any scallops close to the beach. ..." (Tom Hill, Scallop Committee Chairman). In truth, it is the limited access big boat fleet that shows up as soon as there are scallops "close to the beach", and soon wipes them out. Notwithstanding, it is also true that the whole spectrum (good, bad, and ugly) of groundfish boats are looking to move into the general category fishery. Without any input from long-time general category stakeholders, the NEFMC has already proposed a November 2004 cut-off date based on a mere 40 pounds of scallop landings. That led to the spectacle at the NEFMC meeting of June 22-23, 2005, where a representative of the big-boat dragger fleet tried to pass-off some of that gang as "long-timers" because they caught, or claimed to have caught, this mere 40 pounds of scallops. Not a good start!

I. Number One Consideration for NEFMC – Define the General Category.

Without a doubt, the first thing that the NEFMC must do is to clearly define the general category as to what it is, and what it is not. From day one, the general category has been defined as an open category with a 400 pound limit which was set when scallops were selling for their historical average price of about \$5.00 per pound. It was also very common to see the term "day boat" attached to those working under a general category license. It is my position that the general category should never be allowed to become subverted into a sub-set of the industrial type of scallop fishing conducted by the limited access fleet. Notwithstanding, some are today trying to do exactly that. If one looks, one sees that limited access stakeholders and their allies are buying general category permits, and some industrial grade groundfish boat owners are doing the same. This will be the core battle that will have to be settled first. Look at what the NEFMC has already said in their Framework 18 -- concerning **6.1.1.4 National Standard 4: Fairness and equity** -- "The proposed action maintains equity by allowing fishermen, vessel owners, and fishing communities to benefit from the scallop biomass that has built up in the Georges Bank closed areas and projected to increase in the Mid-Atlantic controlled access areas. Vessels with general category scallop permits as well as vessels with limited access scallop permits will be able to fish in the proposed access areas. Some vessels with general category permits may have targeted scallops in these areas before they were closed and many more have been affected by the severe restrictions in other fisheries that are under rebuilding programs. Access therefore allows these vessels that may have been disadvantaged by the closures or are under severe restrictions in other fisheries to benefit from the surplus scallop biomass in the access areas".

First of all, there is no "surplus scallop biomass". If we are to believe the NEFMC scoping document, the situation is as follows:

“Overfishing is occurring on the scallop resource and growth in fishing effort and landings by the general category sector is one of the contributing factors”.

What we see is the NEFMC saying different things at different times in order to accommodate the agenda at hand. Furthermore, what all this shows is that the big fish are, again, trying to feed off of the little fish. The very same large heavy metal boats that have caused the greatest harm to the fish stocks and bottom habitat are now scrambling to monopolize whatever is left. And, the NEFMC is already showing favoritism for this.

If the general category is to remain in the traditional mold of open and small scale, as I believe, some of the tools available to the NEFMC to keep it that way are:

- (1) Owner operator requirement for participation in open general category – at least 51% ownership by operator.
- (2) Establish a line of demarcation between inshore and offshore waters (long overdue) and separate big boat fishing from small boat fishing. The inshore scallop resource will be destroyed just as inevitably as the inshore groundfish stocks and the inshore cod bottom unless industrial grade fishing is moved out from the beach.
- (3) Limiting the time that the fishing gear can be used within a given time period. Using VMS, it is already possible to make valid assumptions concerning fishing behavior, (e.g., <1 knot = laying-to, and >5 knots=steaming).
- (4) Regulate the fishing power of boats in the inshore general category. Heavy weather high horsepower fishing platforms grinding on the bottom hour on end should not be allowed inshore.

II. Next Consideration – Restore the Fleet Wide Historical Balance.

At this point, the NEFMC should recognize that after fully eleven (11) years, one can reasonably assume that the trend shown by that loop of the spring cod surveys means that the cod will never return in mass to the closed bottom as long as it is being used as it is. Logically, and fairly, why should only one of the historical user groups have all the resources that are today on that bottom? With these “closed” areas now shown to contain up to 80% of the total scallop biomass, it seems only right and proper that the TAC for these areas should be split between the two historical user groups of that bottom. The only other option would be to close the areas completely, to everybody, in the hopes that the cod might eventually return, but that makes absolutely no sense. What we have today is not the end of the world, just the end of the world we used to have. That said:

- (1) The NEFMC should now admit that the Georges Bank closed areas have been a failure with respect to its intended purpose, and that upon a record of 11 years it is not likely that the cod will come back into the these areas, and that a new environmental balance has developed.
- (2) The NEFMC no longer has any good reason for not opening more of these areas to limited scallop fishing.

- (3) The NEFMC should split the general category and form a large-boat limited access category.
- (4) The NEFMC should determine which boats historically fished the waters within these closed areas and set forth the criteria for a switch-over to scalloping in these areas.
- (5) The NEFMC should split the scallop TAC for these “closed” areas between the former groundfish users and the scallop boats – which are today being given everything.

III. Next Consideration – Protect the Bottom Habitat and Impacted Stocks.

The ocean equivalent of the forest is gone – from Race Point to the Great South Channel - and it will never be restored until after the next glacier. Notwithstanding, we still need to protect what is left - along with the valuable fisheries that the remaining habitat will still support. The NEFMC has clearly learned the value of managing the bottom to maximize the production of scallops. The other very important species now thriving in this new environmental order is lobster. However, when the lobsters migrating across the scallop grounds run into scallop gear it is not a pretty picture. At times the result is a deck full of mostly crushed and broken lobsters, many of those new eggers, ripped from the population trying to migrate back to their winter grounds in the Georges canyons. Here is what the NEFMC has represented in their Framework 18: *“(3) Can the proposed action reasonably be expected to cause substantial damage to the ocean and coastal habitats and/or essential fish habitat (EFH) as defined under the Magnuson-Stevens Act and identified in FMPs?”*

Response: No, the proposed action is not reasonably expected to cause substantial damage to the ocean and coastal habitats and/or EFH. The conclusion in the EFH Assessment (Section 0) is that this action will have minimal impact on EFH. . This action will not change the measures put in place under Amendment 10 to reduce impacts on EFH. Specifically, this action does not allow access into the Habitat Closed Areas, and it maintains the requirement for scallop vessels to use 4-inch rings, which are believed to reduce impacts on benthic environments.”.

But, here is what the USGS Fact Sheet on Geology and Fishery of Georges Bank says:

“USGS/NMFS sidescan sonar surveys of fishing grounds shows extensive scarring of the bottom by groundfish trawls and scallop dredges”

Some possible steps to take:

- (1) Control the size and weight of the gear allowed in all open areas.
- (2) Control the time the gear is allowed to be on the bottom in any given day.
- (3) Close migration areas to scallop gear and roller gear during times of peak lobster migration over the fishing grounds.

IV. Next Consideration – Use the Scallop Resource to Help Communities.

The NEFMC has a responsibility to the many small communities along the coast that have already lost so much as a consequence of NEFMC mismanagement and the manifest prejudice towards the small boat fleet. The NEFMC has hurt a great many small fishing communities with policies devastating to the small-boat groundfish fleet that operated out of these ports. Now, the cod are at the lowest level yet measured and we

have empirical evidence that much of the remaining bottom habitat may never again support large populations of cod. We are seeing a repeat of the Canadian experience. A properly structured general category fishery is today more important than ever.

V. Other Valid Considerations for NEFMC General Category Policies.

- (a) The NEFMC needs to set a realistic landing weight for determining the true “long-term” participants in the general category fishery. Any boat that has not fished at least 20 to 25 days in a year and/or landed 8,000 to 10,000 lbs of scallop meats is not a real “long-time” participant.
- (b) The NEFMC should properly follow the lead of other Councils and make a distinction between inshore and offshore waters. The Pacific Council defines inshore waters as out to 40 miles.
- (c) The NEFMC must finally enact measures that recognize the differences between the resource and habitat impacts of big boats versus small boats. The NEFMC should then start using the extensive data that it has been collecting and charting about the length, weight, horsepower, and age of federally licensed boats. Simply, big boats do more harm to the bottom with the heavier gear that they need to use.
- (d) Enforcement concerns – big boats and small boats are here, again, not equal. Big boats have much greater per hour costs of operation, and therefore have greater incentive to make-up for this by taking more than the legal limit. Big boats also have many more places to successfully hide contraband. Solution – limit the length of a fishing trip for all general category boats. Remember the term day boat?

The NEFMC tries to ignore the reality that the groundfish collapse orchestrated by shortsighted and disastrous NEFMC policies is directly linked to the growth of general category effort. The NEFMC conceals facts, misrepresents facts, and then prepares a scoping document without any input from general category stakeholders. Born of the foregoing, the NEFMC scoping document first tries to limit all discussion to “seven specific issues” and states; *“Comments on other aspects of scallop management are not invited at this time, and will not be considered during the development of Amendment 11.”*. At the end, the NEFMC changes course, and states; *“The Council needs your input both to identify management issues and develop alternatives that meet the Scallop FMP objectives.”*. Which one is it?

The staff of the NEFMC readily admits that this general category issue is going to be ugly, but here is what the NEFMC has already represented in their Framework 18:

8) *Are the effects on the quality of the human environment likely to be highly controversial?*

Response: No, the effects on the quality of the human environment are not likely to be highly controversial. The proposed action will modify the rotational area management program, overall improving flexibility and performance of the program, which will have positive impacts on the long-term success of the program, thus positive impacts on the human environment. Sections 5.2 and 5.3 assess both the economic and social impacts of the proposed action, and Section 5.4.4.5

describes the potential cumulative effects of this action on the human environment. Overall, the proposed action is expected to have positive impacts on landings and revenues, thus beneficial for the human environment and is not likely to be highly controversial". Please!!

Finally, if any member of the NEFMC finds my comments to be hostile and/or offensive, please take time to review the documents that I have provided in Exhibit I. You must expect to be judged and treated according to your actions and their results. How many of your failures do you expect us to endure? Additionally, please review the record of hearings on the four (4) alternatives presented for the public in the Amendment 13 process. Then, look at the alternative 5 that came into the back door to become the law that has been re-written ever since. Now look to what is going on in the NEFMC Framework 42, and compare that to the public record for amendment 13. It was all said years before your Framework 42 now in play. The NEFMC, for no legitimate reason, chose to ignore all the good advice that was presented by the public. I see the dishonesty of that Amendment 13 process repeating itself on this general category issue. For the small coastal communities, this is the most important turning point since the 1976 act that created the eight Regional Councils. The failure to control industrial grade fishing was the primary mistake made then and since. So far, we can see history repeating itself. This time around the NEFMC/NMFS must get it right and play it straight – period.

Jean Frottier
Wellfleet, MA
E-Mail: woofy1@comcast.net

ADDENDUM – Post Hearing on February 23, 2006, Hyannis Airport

Worthwhile considerations from points raised at the hearing:

- (1) One owner of two limited access boats suggested putting all general category boats into a limited DAS program. I would suggest that from there the NEFMC could split the general category into “full time” and “part time” sectors. The NEFMC should be at all times mindful that scallop dredges have negative impacts on the bottom and can cause permanent damage to certain hard bottom habitats.
- (2) One speaker owning limited access scallop boats pointed out that many boats now fishing in the limited access scallop category gave-up their groundfish history in order to be able to participate in the program. The NEFMC could consider giving a number of active groundfish boats, with a history of fishing in the scallop access areas, the option of giving-up their groundfish permits in exchange for a limited access scallop permit. The idea would be to move strong boats out of a very weak fishery into a much stronger fishery being conducted on the once shared bottom.
- (3) One speaker owning two limited access scallop boats, and having his primary business in the surf clam fishery, pointed out that everybody should be thinking about compromise if all this is to turn out well.
- (4) The Scallop Committee Chairman called the limited access fishery (and the part that the NEFMC played) a “great success”. The truth is that this fishery is only a “great success” if one ignores the huge cost to the other fishers, fish stocks, and EFH caused by the fleet displacement from “closed” areas upon which it operates.

Exhibit I.

Copies of:

- (1) NEFMC Letter to Groundfish Permit Holders, RE: Amendment 13, dated April 7, 2000.**
- (2) Frottier letter to Massachusetts Director of DMF and to NEFMC, dated November 26, 2001.**
- (3) Frottier letter to NEFMC Chairmen Barbara Stevenson.**
- (4) Frottier letter/comment sent to Patricia Kurkul, RE: Amended Interim Rule for Groundfish, dated May 25, 2002.**
- (5) Copy of the first six (6) pages of the NEFMC Public Hearing Summary, Hyannis, MA, for hearing held on September 14, 2003. Frottier comments highlighted on pages 5-6.**
- (6) Frottier letter to NEFMC Council Members – entitled Lawlessness and Consequences, dated October 14, 2003**
- (7) Frottier letter/comment sent to CFN, dated December 8, 2003.**
- (8) Frottier Comments on the Proposed Rule for Amendment 13, sent via FAX on February 26, 2004.**



New England Fishery Management Council

50 WATER STREET | NEWBURYPORT, MASSACHUSETTS 01850 | PHONE 978 485 0492 | FAX 978 485 3110
Thomas R. Hill, Chairman | Paul J. Howard, Executive Director

April 7, 2000

To: Groundfish Permit Holders

Subject: Industry Participation in the Development of Amendment 13 to the Northeast Multispecies Plan

The Council is developing Amendment 13 to the Northeast Multispecies Plan. One of the major goals of this amendment will be to develop stock rebuilding plans for stocks that are overfished. There is also an opportunity to address other groundfish management issues that were identified through the Council's scoping process.

The best way to become involved in the amendment development process is to attend the Groundfish Committee meetings and participate in the discussions. If you are unable to attend, please send us your ideas by letter or fax – the sooner the better. We are interested in your thoughts and ideas on groundfish management. We look forward to your suggestions on management measures that will improve recovery of fishery resources and that will improve our management program. Our plan is to develop the broad outlines of the management alternatives by June 2000, approve a public hearing document in September 2000, conduct public hearings throughout the region in October and November, and approve the final management measures in January 2001. This ambitious schedule means you must act now to provide your input.

The management measures we choose for Amendment 13 must comply with the ten National Standards for fisheries management contained in the Magnuson-Stevens Act (Act). Some of the criteria the Council will use when evaluating management measures include the following:

- *Do the measures achieve our biological goals?* The management program must achieve optimum yield. In the case of overfished stocks, the measures must achieve rebuilding in the time period mandated by the Act. This criteria is the most important consideration in the development of this Amendment.
- *Are the measures fair and equitable?* We recognize that "fairness" is often in the eyes of the beholder. Nevertheless, the management measures in Amendment 13 must be fair and equitable to fishermen in all states, in different permit categories, using different gear types, etc.
- *Do the measures take into account the needs of fishing communities?* Consistent with the conservation requirements of the M-S Act, management measures should consider the needs of fishing communities, provide for the sustained participation of those communities and to the extent possible, minimize adverse impacts. This does not mean the management measures

cannot have adverse economic impacts if that is the result of meeting the biological goals mandated by the Act. It means that, if possible, measures should be chosen that minimize any adverse impacts.

- *Do the measures address bycatch concerns?* To the extent practical, management measures should minimize bycatch and, to the extent bycatch cannot be avoided, management measures should reduce the mortality of bycatch. Bycatch includes all fish that are harvested but are not kept for commercial or personal use.
- *Do the management measures promote the safety of life at sea?* Management measures should not encourage unsafe fishing practices.
- *Can the measures be administered?* The National Marine Fisheries Service may not be able to implement extremely complex measures. Complex measures are difficult to understand. Limits on personnel and agency funding must be considered when developing any management program.
- *Are the measures enforceable?* It makes little sense to adopt regulations that cannot be enforced. There are a number of factors that must be considered when determining enforceability. Regulations that have the support of most fishermen impose less of a burden on enforcement agencies. Clear cut rules with few exceptions are more easily understood by fishermen and boarding officers alike.
- *Are the measures flexible?* The management program we implement will be in place for a long time. Can the measures be readily adapted to new scientific information or changes in the industry?

As you prepare your input, please evaluate your proposals in light of the National Standard guidelines and the above broad concepts. We look forward to your participation in the development of this critical amendment. Please check our web page (www.nefmc.org) frequently for updates on the meeting schedule and progress in developing the amendment. If you are not currently receiving meeting notices, please contact us and we will add you to our mailing list. If you have any questions about the timing of the amendment, schedule of the meetings, or how to participate in the process, do not hesitate to contact the Council staff Tom Nies at (978) 465-0492.

2

November 26, 2001

Sent by U.S. Mail and email.

NEFMC Council Member
Paul Diodati, Director
Division of Marine Fisheries
251 Causeway Street
Boston, MA 02114

RE: Ongoing problem of illegal sink gillnets set on Cape Cod backshore, and the obvious inability to enforce rules pertaining to the use of sink gillnets.

Dear Mr. Diodati;

This letter is being sent to you for consideration as both a member of the New England Fishery Management Council and as the Director of the Massachusetts Division of Marine Fisheries. By reason of such offices, I believe you are already aware that both the State of Massachusetts and the New England Fishery Management Council have promulgated various rules pertaining to the use of sink gillnets which cannot possibly be enforced. This absurdity comes about because neither the State, NOAA, or the U.S. Coast Guard had/has any vessel equipped to haul gillnets, and/or to then handle that gear and any fish contained therein. In essence, such a situation means that this one user group in the multispecies fishery is being issued what is tantamount to a license to steal.

Predictably, illegal gillnet fishing activity will be the result. The hallmark of such illegal fishing activity is the use of anonymous gillnet gear. No one disputes that existing rules require that fixed gear, including gillnet gear, must be marked – at least in a manner sufficient to identify the owner. Notwithstanding, I can tell you from personal observation over some years now that the area around 42° 00.00N and 70°00.00W is regularly plastered with numerous sink gillnets which bear no markings to identify the boats which are setting them. Some boats are trying to conceal the fact that they are illegally fishing in Federal waters on a State permit, and others seek to conceal the fact that they are fishing more gear than allowed under their Federal permit, and/or the fact that they are fishing in the GOM. This lawlessness is having a particularly devastating effect on other fisherman who are in all respects legal and who also wish to fish the area.

As I am sure you are aware, when a sink gillnet is set on a particular piece of bottom all other fisherman are prevented from fishing that bottom. Furthermore, a sink gillnet will often impede fish movement in such a way as to have a detrimental effect on fishing that extends far beyond the point where a given net is set. The foregoing are just two of many good reasons why the use of sink gillnets should be carefully controlled, but they rise to paramount concerns when we are speaking to the matter of illegal gillnets. Periodically, those of us who are fishing in that 42°00.00N and 70°00.00W area have been challenged and/or boarded by the U.S. Coast Guard while on fisheries patrol. On these occasions the Coast Guard patrol goes from boat to boat and goes through their checklist. The Coast Guard then motors over to some of the anonymous gear in the area, notes its location, and then goes home. That is all that they can do!

From personal observation while tuna fishing, I can also say that I have come across completely anonymous fixed gear from the Jeffreys Ledge to the B Buoy. Where it has long been known that the Coast Guard cannot even determine if anonymous fixed gear is gillnet or lobster gear -- all rules pertaining to tagging of gillnets or number of nets allowed are rendered into farce. Worst of all, there can be no real doubt that the New England Fishery Management Council knew this would be the case prior to promulgating such unenforceable rules and passing them off as "effort controls" for gillnetters. The resulting situation is bad, and the integrity of our fisheries management now rendered suspect. Surely, this is a betrayal of the public trust!

Unlike mobile gear fisherman, hook fisherman cannot take effective extra-legal action to free ourselves from the abuse of rogue gillnets. The last thing anyone needs, especially we hook fisherman, is a bunch of ghosting gillnet gear on our fishing grounds. Additionally, few, if any, fisherman would advocate the establishment of the massive law enforcement apparatus that would be required to effectively police gillnetters traveling over a range that sometimes extends some fifty miles from port. The only effective, fair, and reasonable solution is, as it has always been, to require that the gear stay with the boat. The practice of long-term "soaking" of gillnets has always been abhorrent to conscientious/responsible fishermen, and represents an insult to reason -- as well as to legitimate objectives of fisheries management. The market even had to coin the euphemistic term "scaler" for the half-rotten product that actually gets to market.

Finally, the gillnet regulation fiasco, such as that which has so long been evident in the 42°00.00N and 70°00.00W area, also represents an insult to certain key requirements set forth in the Sustainable Fisheries Act -- including the following most relevant portions:

Preventing overfishing, and ending overfishing of currently depressed stocks;

Rebuilding depleted stocks;

Reducing bycatch and minimizing the mortality of unavoidable bycatch.

With so much clearly weighing against the practice of unattended "soaking" of sink gillnets -- why is it being allowed? The bottom line: fishing with gillnets only becomes dirty, wasteful, and totally uncontrollable when these nets are allowed to be fished away from the boat.

In closing, I would like to say that I believe that the Division of Marine Fisheries has been doing a far better job of fisheries management under its jurisdiction than the New England Council has been doing under theirs. This letter is also being carbon copied to Patricia Kurkul, for her consideration as the Regional Administrator of NOAA and as a member of the Council.

Thank you for your consideration and for any help you can provide to solve this mess.

Sincerely yours,

J.F. Frottier
249 Gross Hill Road
Wellfleet, MA 02667
Telephone (508) 349-7291
Email: woofy1@mediaone.net

To: Barbara Stevenson
NEFMC Member, and
Owner of 3 Groundfish Trawlers

Reading your March 6, 2002 commentary, and the Sen. Collins statement, I am struck by the fact that people who know better, or at least should know better, continue to ignore the reality of extreme bycatch discards and destructive fishing practices of the trawler fleet and the gillnetters who "soak" their gear for extended periods. You folks seek to blame the environmentalists for the present crisis and the spate of recent litigation, but you should properly be blaming yourselves. The environmentalists are merely taking advantage of your manifest and continuing failings, and now they have become the tail that wags the dog.

Tragically, commercial fisherman who fish responsibly - in a manner that results in practically no discards whatsoever and no measurable damage to the bottom - currently have, and never had, any support or recognition from the New England Council and/or NMFS. In point of truth, if discards were not treated as mere abstraction, most draggers and gillnetters would (each season) be off the water in very short order. As one who now fishes single-handed with: (1) jigs, (2) either four or five hooks on each of two active rods (electrically driven), (3) in daylight hours, and (4) in an environment long degraded and/or monopolized by draggers and soaking gillnets, I average more than 400 pounds of cod per fishing trip - in the bad years. Obviously, a high horsepower dragger fishing 24/7 while pulling a net with a sweep extending to the better part of the length of a football field, or a gillnetter "soaking" miles of gillnets for days on end, will be catching (killing) many multiples of what I am catching when operating on "cod bottom". All this is wasted - day in and day out, year after year. The New England Council and NMFS has never structured any penalty for those who generate substantial bycatch and dead discards, nor any reward for those who fish without waste. For instance, the rod and reel fisherman brings in his catch one line at a time, and is therefore the only gear type that cannot accidentally exceed the daily catch limit by much, but that reality is not recognized nor rewarded. When one looks objectively at our present system one sees that all fishermen, and fishing communities, are being made to suffer greatly, and for undue length, so that the most wasteful and destructive fishers can keep conducting business as usual. To avoid sinking, best to first try plugging the hole in the boat!

The Council and NMFS pretend that cod discards amount to only 1000 m.t. per year total, but from what I have seen it is certainly more than this already unacceptable number. In point of fact, they have in place no reliable measure with which to truly gauge the waste problem. The Council and NMFS also admit to knowledge that the requisite catch reports are regularly being (illegally) falsified with respect to discards. Unfortunately, observers can only provide a partial answer because: (1) neither the Council or NMFS has any idea how many gillnets are out there under that carpet of (illegally) unmarked buoys, (2) no gillnetter is ever going to take an observer out to his pirate gear and/or to his dirty (long soaking) gear, and (3) an observer can only monitor part of the operation of a dragger fishing 24 hours a day. The record shows that both the New England Council and NMFS long knew that there was/is a problem of bycatch

waste, and they pay lip service to the problem, but year after year nothing was/is done to reign-in the most wasteful. Clearly, if it were not for the environmentalists prevailing in their lawsuit - wherein Judge Kessler expressly references the Defendant's "duty to assess and report bycatch", and their failure to do so - the Council and NMFS would have continued to unlawfully ignore the problem. Strangely, NMFS now proposes to indirectly address the bycatch waste problem by limiting the amount of time all fishers can spend "on the pile" during peak periods, and you folks start to howl and complain. So, what do you folks propose (instead) to put a stop to the ongoing bycatch waste that is truly at the heart of the seemingly endless cod problem? Why do I never hear any of you talk about the portion of Judge Kessler's decision relating to bycatch?

To Senator Collins, and to other legislators who may also chose to become involved, I would ask that you do not fail to understand that the health of our fish stocks, as well as the success of any management scheme, is perforce based upon fish mortality, and not on landings. We cannot continue to ignore one of the most fundamental rules of nature (see the story of the American Buffalo) and here achieve any measure of true success. As I write this, the example(s) of partial success which you folks now call to attention have come about by great and prolonged sacrifice by all fishermen, and much of that sacrifice has been negated by the wasteful fishing practices of many draggers and all "soaking" gillnetters. These wasters do not fish responsibly, and it heaps insult upon injury for anyone to represent that they do. Please take the time to do the math, and take, for example, the (understated) 1000 m.t. per year cod discard figure and calculate how many non-wasteful fishermen such discards would today support – or could have supported over the years since Magnuson was enacted. Reasonably, the consequences of waste should befall those causing the waste – otherwise, our fisheries management will continue to be dishonest and unlawful.

Finally, I would call attention to the problem of the continuing degradation/destruction of what the fisheries laws refer to as essential fish habitat (EFH). Being 58 years old, I remember the "hard" (rocky) bottom as it was before it was essentially bulldozed flat, and when it was capable of "holding" large amounts of fish. Today, the "hard" bottom most closely resembles a roadway – it still goes up and down, but without any distinctive structure. In the past, we could go to the various defined wrecks and rockpiles to catch fish, but today the wrecks and rockpiles are gone - and so are the fish. Our prime fishing areas are now almost completely flat and denuded. As a consequence, the cod are always moving - the bottom can no longer "hold" many fish, and that sad fact should reasonably be a consideration in any process used to determine the current biomass. For its part, the New England Council has complied with the law to the extent that it has identified EFH (including all the bottom on which I fish), but has failed to comply with that portion of the law which speaks to protecting and restoring such areas. Significantly, much of what has been destroyed by the draggers and scallopers had been put in place by catastrophic acts of nature, and can now exist only in memory. And, the traces that remain today have yet to be protected in any way. Imagine, for instance, what your neighborhood would look like if a group of bulldozers ran through it on a regular basis!

Bottom line – these environmentalists won their case because you folks betrayed both the fisherman and the fish with endless schemes seeking to perpetuate the wasteful and destructive status quo. If you feel that is not the case, I would appreciate hearing from you about how you folks propose to actually end substantial bycatch discards and ongoing bottom destruction.

Sincerely,
J.F. Frottier
Wellfleet, MA

4

May 25, 2002

Patricia Kurkul,
Regional Administrator
National Marine Fisheries Service
One Blackburn Drive
Gloucester, MA 01930

RE: Comments on the Amended Interim Rule for Groundfish - total inability to enforce any gillnet regulation.

Dear Ms. Kurkul;

The Amended Interim Rule for Groundfish (again) improperly favors the gillnet gear sector with a regulatory scheme that the National Marine Fisheries Service knows cannot be enforced. As a result, all other gear sectors will continue to be abused by illegal gillnets. What part of what law allows this? NMFS must here recognize that any piece of bottom on which a gillnet is set represents a piece of bottom denied to all other fishermen.

Both the U.S. Coast Guard and NOAA Law Enforcement are on record as coming before the Enforcement Committee of the NEFMC to make it known that they are unable to enforce existing gillnet regulations. Consequently, for the years prior to the Amended Interim Rule for Groundfish, NMFS is shown as having no actual knowledge of the following information:

- (1) how many gillnets were out on the fishing grounds,
- (2) how long gillnets were being allowed to "soak",
- (3) how any set gillnets were actually configured,
- (4) how many fish the legal and/or illegal gillnets were actually killing/wasting.

There can be no good purpose served by more of the same. Furthermore, where gillnetters were/are being issued what is tantamount a license to steal, NMFS should recognize that they will do just that. The Coast Guard is clearly aware of the problem, and NOAA law enforcement is clearly aware of the problem, but there is nothing that they can do about it. They are neither equipped to haul nor handle gillnets - which can legally be up to one mile long. There is also no protocol for monitoring set gear. The situation of gillnets has always been a bad joke played on all other fishermen!

For many years now, I have been prevented from fishing on prime bottom because these areas are covered, for many months at a time, by unmarked/illegal gillnet gear. Some boats are trying to conceal the fact that they are illegally fishing in Federal waters on a State permit, and others seek to conceal the fact that they are fishing more gear than allowed under their Federal permit and/or the fact that they are fishing in the GOM. This lawlessness is having a particularly devastating effect on other fisherman who are in all respects legal and who also wish to fish the area. We are prevented from making the landings that will possibly determine our future in the multispecies fishery.

Some gillnet boats range 40-50 miles from their homeport, and can/do set gear along that entire range. Also, NMFS must certainly be aware that a long-soaking gillnet is a wasting gillnet. The only possible remedy to this regulatory fiasco is to treat the gillnet gear sector like every other; i.e., require that the nets stay/return with the boat. Such an action would reduce the current riot of lawlessness to the dull roar that is commonplace in the other sectors.

The problems associated with enforcing rules pertaining to the use of fixed gear must be confronted in any legitimate regulatory scheme. As it now stands, the Amended Interim Rule for Groundfish is just another chapter in a long-standing betrayal of the public trust. Promulgating more rules that NMFS knows to be unenforceable, and misrepresenting such rules as "effort controls", is not contemplated by Magnuson-Stevens or the Sustainable Fisheries Act.

Sincerely yours,

J.F. Frottier
249 Gross Hill Road
Wellfleet, MA 02667
Telephone (508) 349-7291
Email: woofy1@attbi.com

§ 648.84 Gear-marking requirements and gear restrictions.

- (a) Bottom-tending fixed gear, including, but not limited to, gillnets and longlines designed for, capable of, or fishing for NE multispecies or monkfish, must have the name of the owner or vessel or the official number of that vessel permanently affixed to any buoys, gillnets, longlines, or other appropriate gear so that the name of the owner or vessel or the official number of the vessel is visible on the surface of the water.**
- (b) Bottom-tending fixed gear, including, but not limited to gillnets or longline gear, must be marked so that the westernmost end (measuring the half compass circle from magnetic south through west to, and including, north) of the gear displays a standard 12-inch (30.5-cm) tetrahedral corner radar reflector and a pennant positioned on a staff at least 6 ft (1.8 m) above the buoy. The easternmost end (meaning the half compass circle from magnetic north through east to, and including, south) of the gear need display only the standard 12-inch (30.5-cm) tetrahedral radar reflector positioned in the same way.**
- (c) Continuous gillnets must not exceed 6,600 ft (2,011.7 m) between the end buoys.**
- (d) In the GOM/GB regulated mesh area specified in § 648.80(a), gillnet gear set in an irregular pattern or in any way that deviates more than 30 from the original course of the set must be marked at the extremity of the deviation with an additional marker, which must display two or more visible streamers and may either be attached to or independent of the gear.**

See Frothien
Comments p. 5-6

Pages 1-6
OF 26 pages
5

New England Fishery Management Council
Amendment 13 to the Northeast Multispecies FMP
Public Hearing Summary
Hyannis, MA
September 14, 2003

A public hearing was held to receive comments on the draft Amendment 13 to the Northeast Multispecies Fishery Management Plan and the accompanying Draft Supplemental Environmental Impact Statement (DSEIS). The meeting was chaired by Groundfish Oversight Committee Chair Mr. Frank Blount, assisted by Council staff Tom Nies. This meeting was held in two parts, with commercial measures discussed in the afternoon and recreational fishing measures discussed in the evening. Council members Mr. Eric Smith, Dr. David Pierce, and Mr. John Pappalardo were present in the afternoon, and Mr. Smith was also present in the evening. Approximately sixty-five to seventy people attended the afternoon session for commercial regulations, and about twenty to twenty-five attended the evening session on recreational regulations. Seventy-two people signed the attendance sheet.

Both sessions followed the same procedure. After introductions, Council staff provided an overview of the amendment documents (including the public hearing document and the measures matrix) and described the comment process and future actions. The public then asked questions to clarify the issues before providing comments.

Afternoon Session (Commercial Measures)

Mr. Keith Burkman, Town Manager, Provincetown MA: I have a question on the process, in order to gauge the impacts and decide what we need to do. It would be helpful to understand the process by which this group makes a recommendation to the Secretary, and what type of review and editing may take place at that level. How much opportunity will state, local, and federal officials have to express their concerns. Usually it is cut and dried at local hearings - you comment directly to the decision maker. This process is more complicated. *Mr. Blount: Congressional staffs have already been briefed by NMFS. There are five more public hearings, and the comment period ends in mid-October. The Groundfish Committee will meet in late October, and develop a recommendation for the full Council. The Committee may pick a recommended alternative. The full Council meets the first week of November, will consider the recommendations of the Committee, and decide on a proposed action at that time. The final document must be submitted to NMFS by mid-December. NMFS will review the document, and either accept or reject the Council's proposal. They could reject it outright, or they could reject parts of it. Once NMFS completes its review, it is given to the Secretary of Commerce to review, and the new regulations are put in place by May 1, 2004.*

Mr. Nies: NMFS does not believe this action is subject to judicial review under the Framework 33 lawsuit, but not all parties to that lawsuit agree.

Mr. Ted Leguinza, fishermen, Chatham MA: In Alternative 1, is hook gear required to sign in and use the GB cod seasonal trip limit, or can a fishermen choose to abide by the other trip limit? *Mr. Blount: A fishermen could choose to use either one.*

Mr. Ron Smolowitz, Fisheries Survival Fund: With respect to the hard TAC options, is there any discussion or analysis of how this will affect other fisheries? *Mr. Nies: Similar comments have been made at other public hearings. The document is not clear, in some places saying that if the TAC is caught all groundfishing with gear that catches the species is subject to some type of*

additional restrictions, in other places implying it is all gear capable of catching groundfish. It was intended to be affect only groundfishing.

Mr. Steve Scannel, fisherman, MA: Could I have more detail on the formula used for the US/CA resource sharing understanding? **Mr. Nies:** *The details of the formula are in one of the appendices. The shares are based on a calculation that uses both survey distribution and historic catches in the agreement area. Over time, the historic catch becomes less important until eventually the survey distribution becomes the only factor considered.* **Dr. Pierce:** *Another aspect is what biomass targets will be used. It is not clear the Canadians will accept the NMFS proposed biomass targets.*

Mr. Paul Parker, Executive Director, Cape Cod Commercial Hook Fishermen's Assn., Chatham, MA: With respect to the US/CA agreement, will it be a hard TAC? **Mr. Nies:** *There are two options, one where it would be a hard TAC and another where it would not be.*

Mr. Parker: If it is not a hard TAC, and the U.S. allocation is exceeded, where do those fish come from? **Mr. Blount:** *Just those areas on Georges Bank.*

Mr. Parker: Is there any downside if they overfish the eastern Georges Bank? I don't think many people even know this agreement exists. What about bycatch TACs? Can you only access haddock until you start overfishing cod? **Dr. Pierce:** *Your concerns are valid. When the Committee talks about this agreement, we will have to have in front of us all the specific in order to avoid confusion. With respect to bycatch quotas, I expect NMFS will push for a strategy— that whatever bycatch occurs in other fisheries, that would be tallied up and come off the TAC for the next year, and we could wind up spiraling downward.*

Mr. Parker: Is this agreement tied to the Amendment 13 process?

Mr. Shawn Fortier, fisherman, Provincetown, MA: Back in April of 2000, the Council made a statement concerning enforceability of regulations. Has there been any consideration of whether these measures are enforceable? We cannot expect an increase in enforcement resources. **Mr. Nies:** *Volume I of the full amendment includes an evaluation of whether the measures are enforceable. This was prepared with the assistance of NMFS and the Coast Guard. Some measures may not be enforceable.*

Mr. William Henchy, counsel for the Provincetown Fishery Association and CCHFA: What process is being followed for the US/CA Resource Sharing Understanding? Is it a treaty? Who runs the meetings? Are they open to the public? **Mr. Nies:** *the discussions have been held between NMFS and Canada's Department of Fisheries and Oceans. NMFS asked the Council to suggest industry participants, all of who have been Council members. I do not believe NMFS has publicly announced the meetings, but I am not sure if they are open to the public or not. It is not a treaty. The NERO Office of Sustainable Fisheries was involved, but I believe it is being run as a special project under the Regional Administrator.*

After a short break, public comment was received. In addition to oral statements, a written statement was provided for the record from Mr. Luis Ribas (attached). In addition, six commenters provided copies of prepared statements that they read into the record.

Mr. Tom Luce, longliner, Chatham, MA: I want to address the worst case scenario under Alternative 2. Hook gear restrictions are down to 1,000 hooks per day. Once the cod TAC is

reached, no one can fish for cod. I should get back my 3,600 hooks to fish for haddock or some other species. Other gear types have that ability.

Mr. Robert O'Leary, Massachusetts State Senator for the Cape and Islands: I am struck by how complex this whole business is. It is difficult to understand all that is going on – I don't envy you your task of trying to protect both industry and the species. Having said that, it is important to look at the communities that are dependent on this industry. It is not just about fish species, it is about a way of life in communities across New England. One of the proposals put forward, a subset of the four main alternatives, is the principal of sector allocation. This proposal has been advocated by fishermen on the Cape. I speak in favor of that option. It seeks to give fishermen in the community a stake in managing the resource in a way that give them flexibility yet requires them to be accountable. In all of the complexity in this plan, flexibility will be lost. Sector allocation should be approved, at least on an experimental basis. If you set up a system that allows a community to help manage the stock, you will accomplish a great deal.

Dr. Pierce: It would be helpful if those interested in sector allocation got more insight into the specific proposals. Will those individuals who want to pursue that strategy have to do more than what is in the amendment? Staff: yes. They will have to develop a plan that identifies the participants, describes how they will monitor the fishery to remain within the allocation, and may have to prepare an environmental assessment.

Dr. Sheryl Andrews, Acting Chair, Provincetown Board of Selectmen: I am here with two other Provincetown selectmen. Provincetown has spent the last ten years working to revitalize our waterfront. From the outset of the reconstruction of our pier, we have been committed to maintaining a vital commercial fishing fleet. We now have a state of the art pier, and independent agency to run it, and a newly energized fishing organization to use it. We are here because the Council is considering alternatives that may devastate our small fleet. Give special attention to the concerns raised by our fishermen. Every year we have fewer and fewer fishermen left in Provincetown. They are becoming their own endangered species. Don't let that happen.

Mr. Keith Burkman, Town Manager, Provincetown: At some point we will say "ditto" to whatever the Provincetown Fishermen's Association says, whether at this meeting or later. The need of Provincetown are unique. I was touched by Senator O'Leary's comment – the fabric of the community is what this is all about. We have a seasonal, tourism based economy. For year round employment, there are two choices – government or commercial fishing. There seems to be no process here that will ensure our fishing fleet can continue to earn a living. The solution that may help Provincetown may not help another port. We would hate to see our community with its year round economy hanging by a thread go to the wayside because of a solution – a cookie cutter approach – leads to a solution that helps another port but doesn't help our small fishing fleet. We urge you to listen carefully to what our Provincetown fishermen say. If there is any way a unique solution can be crafted for our port, that is vital. We ask for your support.

Mr. Bill Boucheau (spelling uncertain), commercial fishermen, Provincetown, MA: The area around Provincetown is part of the Gulf of Maine regulated Mesh Area. Provincetown small boats have long harvested fish in this area – at one time, the dayboat fleet numbered 80 boats. Due to overfishing many management tools have been used. The Western Gulf of Maine closed area is one, with its southern end only ten miles off Provincetown. That area has been off limits to us for ten years. With days-at-sea (DAS) – at one time we could fish 365 days, now we are reduced down to some individual DAS number for each boat, based on past use. Our cod limit per DAS has low as 30 pounds at the same time that anyone south of the Gulf of Maine could land 2,000 pounds per DAS. While six months of rolling closures may represent only 50 percent

of the fishing time, it represents the period when 80 percent of our landings were caught. And an unexpected outcome of rolling closures is the surge of fish harvested in great numbers by offshore boats with massive gear and horsepower fishing twenty-four hours a day when the closure opens – dumping all that fish on the market and depressing prices, fish that could support the dayboat fleet for a long time. The DAS baseline ordered by Judge Kessler is unfair. The inshore fleet has made the greatest sacrifice for these stocks. Someone fishing elsewhere is now rewarded with more DAS than fellow fishermen. Surely as stocks rebound they will enter the inshore area and use their DAS. Before any more cuts come to impact coastal communities, the playing field has to be level for all. If the goal is to reduce DAS to 28,400 DAS, divide that number by all the permit holders, and have a way for fishermen who desire more DAS to transfer DAS. I'm in favor of improving stewardship as in Alternative 3 or as supported by the CCHFA. Perhaps in blocks 124 and 125, there could be no night fishing, trip limits on yellowtail flounder, gear used to reduce bycatch such as cod. These approaches would manage the impacts on coastal communities. The recovery of stocks looks promising. We now have an \$18 million fish pier. I see a bright future – except NMFS has seen fit to increase target levels to levels never seen before. These would manage without impacts coastal communities. Recovery of stocks looks promising. If these targets must be raised, let's do it in steps.

Mr. Steve Scannel, scallop fisherman, Nantucket: I am also a student at Cape Cod Community College. I look at a document like this, the talk of TACs, and think that is what an accountant would do. All the stocks that we fish on are well down and under historic levels. Habitat is still in state of destruction. Whatever TAC we have now, just cut it in half. In the late 1970s and early 1980's we just put a huge band-aid on the problem. We grandfathered in the people in the fisheries and the gear they used. What I propose to NMFS and the Council and Congress: take all the old deals and put them in the wastebasket. We need to replace the regulations with a market based quota system, as opposed to our current monopoly rights based system. Those fishermen with licenses have a monopoly club with ownership in the aggregate. To be a high school kid and told you can't get a license to be an independent fisherman – that type of thinking belongs in the trash barrel. We are wrecking habitat when we don't have to. We have gear that is ridiculously destructive. There is no call to do that in 2003. I know you have done a lot of hard work, but it is based on huge band-aids that were put on in the later '70s and '80s. You have a document called the market based quota system - this system is designed for public resources. It is fair. It doesn't leave anyone out. It is based on equal opportunity. Our current program is very inefficient in that we do not internalize all the destruction taking place with bad gear. We need a system that charges people to wreck the bottom or discard fish. If we are going to put limits on fishermen, they should be dollar limits, not these systems that are poundage limits that give high grading and discarding the edge. That is a wasteful way to fish.

Mr. William Henchy, counsel for the Provincetown Fishermen's Association and the CCHFA, Orleans, MA: I will limit these comment to represent PROFISH. You have already heard a little from the Provincetown fleet. That fleet is limited in terms of mobility and the weather that it can fish. It is primarily a small, dayboat dragger fleet. There used to be some tub trawls, but they were eliminated with the GOM cod trip limit. Provincetown has been very heavily impacts by rolling closures that have made the commercial viability of the fleet a problem. Rolling closures do their job, but due to the geographic location, they keep Provincetown boats off fish when they are available to the fleet. Our recent pier reconstruction is a good thing – the fleet now has a first class facility to build its future. PROFISH has been energized the last several years. If not for the measures under consideration, the future looks quite bright for the Provincetown fleet. Commercial fishing provides 87 percent of the year round jobs in Provincetown, the largest year round employer. With certain exceptions, fish stocks are recovering in the Gulf of Maine and recovering at a reasonable clip. The Northeast Fisheries Science Center has adjusted the

rebuilding targets for important species in GOM. Coupled with time limits in the SFA, this puts the Council in the position of attempting to create a plan amendment to meet MSA requirements. The situation has become nonsensical. In order to achieve rebuilding levels, fishermen have to take cuts in the short term to achieve gains in the long term. As a matter of public policy, it doesn't make much sense to commercial fishermen. I have some specific comments to make. Area management and sector allocation and special access programs are good and should be encouraged. It has become clear that the one size fits all approach in Alternatives 1, 2, and 4 don't go far enough in recognizing legitimate needs or limitations of gear types within the fleet. PROFISH supports the GB cod and hook gillnet sector allocation. We suggest the approval process should be tightened to impose some requirements on the regional Administrator. By way of example, the process to get the raised footrope trawl approved was onerous and unnecessarily long. We will submit comments on proposals for other sectors to be included. PROFISH supports either the phased or adaptive rebuilding strategy, with our preference the adaptive strategy. PROFISH supports the Council's proposed policy on cooperative research and its impact on DAS baseline calculations. I represent a fisherman who lost DAS under the settlement agreement because he participated in research. PROFISH opposed the rolling closures in Alternative 1, the DAS reduction in Alternative 1, the hard TAC options in Alternative 4, the hard TAC backstop option in Alternative 2. Hard TACs will result in a race to fish, which works against the inshore fleet. They will also exacerbate bycatch mortality in violation of the law and the court order. Particularly relevant, we think hard TAC will create safety at sea issues as vessels choose to fish in adverse weather to compete for the TAC. We request further analysis of a couple of things: there is no analysis of the Council's option under National Standard 1 to permit mixed stock overfishing, which may be important for Cape Cod/Gulf of Maine yellowtail flounder in particular. In addition, we ask the Council to analyze the status quo with additional measures necessary to rebuild most stocks by 2014. Additional analysis might provide the Council with additional tools to bring to bear. We will submit detailed written comments at a later date. (A summary of these comments is attached).

Mr. Mark Leach, fisherman, F/V Sea Holly, Harwichport, MA: Basically this next group of regulations is consolidating DSA by tremendous amounts, using trip limits, etc. the staff pointed out that under rebuilding scenarios we will need about ten years before we see net benefits. For Amendment 7, hearings were held in a large room and it was loaded – look at the size of this room. Has the cost of management been cut? I don't mean that in a negative fashion. We are going to have a large economic hit here. I have been promoting a permit buyback or DAS buyback of some sort. Certainly in these times when we are sending \$87 billion to Iraq it will be tough to convince Congress to subsidize fishing. Maybe some of the money used for management should be used for a buyback.

Shawn Fortier, commercial fisherman, Provincetown, MA: I am a director of PROFISH, but I am speaking for myself. When I was following the CLF vs. Evans lawsuit, I noted the following affidavit from Paul Diodati. In his statement to Judge Kessler, he said that currently discards are responsible for half of all fishing mortality on GOM cod. One of the primary reasons we cannot reach mortality targets must be because of these discards. We are shoveling sand against the tide. When we have all these options put forward, there has again been no effort to make those responsible for discards suffer the consequences of discards. In present management time, a jig fisherman - a guy who fishes commercially, full bore fishing with jig - is not even recognized. I asked about enforceability - unfortunately these issues are not identified. To use the words of Council, it makes little sense to put forward measures that cannot be enforced. As I travel around the Cape, I see broken nets set on every broken piece of bottom. I'm speaking now for the last seven years 7 years. I get upset when I see gillnet regulations that can't be enforced because none of the enforcement units have a net hauler. You don't even know how many illegal gillnets are in

the water. They are in the closed areas with no surface markers, they are in other places with no radar reflectors. State licensed boats are putting nets in federal waters. All of this creates mortality, and I can't even get to the bottom. It affects me I am being penalized by a gear that causes much harm – there is a great deal of bycatch by both gillnets and trawls. There are those who avoid bycatch with short tows or by staying off the bottom. I've seen guys throw a whole net full of bycatch over and not move one inch before they reset. Management now concentrates on landings and not mortality. The fish are dead, that is what counts. When I try to comment on these things – what seems to make a lot more sense is status quo with a directed effort at the high level of discards. That will get you there on the codfish in and of itself. Go up to the bank on Stellwagen on the December 1 opening. There is a problem with current management – literally a gang rape of the bottom. Those large boats get their multiples of their 400 pound limit on the first tow, but they keep towing on for other species. There is no mechanism to get the ones who are causing waste to be responsible for it. If they got off the water when they exceeded the limit, they wouldn't keep doing it. When I keep looking at these measures – I see more restrictive gillnet measures – but I know for a fact they don't have a way to tell if it is gillnet or lobster gear. The gear just sits there, and after a while they don't even come out any more. As long as we continue down this path, all I see is a lot of pain and the good guys don't gain anything here. If you try to identify the jig fishermen – the one thing I can do with my hooks – it is like stopgap. If you are going to a hard TAC - RI has tried to do this – people should be allowed some access to the fish. If the guys are doing it by accident, how many times are we going to allow this to happen? All of those fish going over are going to hurt me. I am astounded that there are elements that cannot be enforced and they have not been identified. I hope something good comes out of this but I don't see it.

Mr. Ron Smolowitz, Coonamesset Farm, Fisheries Survival Fund. My comments are more on the surrounding issues, not on the direct options. Sometimes the details are very important. On page 22 of the public hearing document, there is talk of a ten inch twine top in five of the thirty minute squares for scallop dredges, but in Amendment 10 it looks like we are going to ten inch twine top throughout the range. We should try not to use the groundfish plan to manage other fisheries. Just think of the consequences if the scallop plan set a sweep length requirement on groundfish gear. It is very important for the Council to set policy that bycatch and habitat issues of fishery will be addressed in that management plan. PHD page 40 – my concern is that doc says to all gear capable of catching species. This is an issue between sectors. We should also be cautious about hard TACs for that reason. On page 47 there is a discussion of bycatch in the exempted fisheries. I would put forward that scallop gear catches less than five per cent bycatch – I would think that the Council should consider scallop dredge gear should be exempted in the multispecies plan and that way bycatch and habitat could be addressed in the scallop plan. This would be a benefit to the groundfish fishery in the long term. On page 49, the rationale for closed areas and access to closed areas relates to the whole exempted fishery issue. Vessel Monitoring Systems should be considered for all vessels, it would benefit all fishermen; we would not have to close large areas of the ocean for particular reasons. My biggest concerns about are the habitat closures. I chair the habitat Advisory Panel. We started a process to come up with areas, to consider them habitat control areas or management areas. All areas need to be managed for habitat. The biggest flaw in Amendment 10 and Amendment 13 is really they just point out how insufficient the data we have are; new data is pouring in that gives a better picture of the seafloor – not just substrate, but epifauna. These documents divide the ocean into areas, but consider nothing about depth, temperature, epifauna, etc. In analysis we look at species, leading to conclusions like that scallop fishing adversely impacts redfish. One of the things that bothers me is the technical advice we received. In this document, it gives no credit for rolling closures, possession limits, or hard TACs, even though the NRC said reducing fishing effort or frequency has significant benefits. n tech advice we received. I suggest to the Council that the habitat issue should be addressed in the

6

October 14, 2003

RE: Lawlessness and Consequences.

Dear NEFMC Council Members:

My Name is Jean Frottier, I am 60 years old, and I have been a commercial fisherman for 32 years (full time for the past 13 years), and I am the sole source of support for my wife and nine year old child. My boat is the 36 foot F/V ANNALISE, and I fish: (1) for lobsters by diving (I have logged over 10,000 hours underwater) and pots, (2) by rod and reel for tuna, and (3) by jig for cod with electrically driven reels. From day one, I have made a deliberate effort to fish in ways that do not cause bycatch and/or damage the bottom. My fishing methodology is as far removed from "industrial fishing" as one can get, but on anything approaching a level playing field it is a system that works. Most importantly, it is a system that is completely sustainable.

That said, I wish to inform the members of the NEFMC that I, and others who fish responsibly, have long been disadvantaged and abused by unfair/unlawful measures enacted by this council. Recognizing the constraints of space, for the purposes of this commentary, I will concentrate on the problems the NEFMC has caused by improperly/unlawfully favoring the gillnet sector with: (1) rules which cannot be enforced, and (2) preferential access to prime fishing bottom.

RULES WHICH CANNOT BE ENFORCED

Nothing so clearly exposes the dishonesty of the management process as the unenforceable gillnet rules - which time and again are incorporated into measures adopted by the NEFMC. Tragically, these NEFMC actions are today shown to be deliberate and purposeful. For example, by letter dated April 7, 2000, on NEFMC letterhead, to all Groundfish permit holders, the NEFMC explicitly set forth the following:

"... The management measures we choose for Amendment 13 must comply with the ten National standards for fisheries management contained in the Magnuson-Stevens Act (Act). Some of the criteria the Council will use in evaluating management measures include the following:

- *Are the measures enforceable?* It makes little sense to adopt regulations that cannot be enforced. ..."

Looking at each of the four proposed alternatives for Amendment 13 put forth for public comment by the NEFMC - we see that they all, again, contain gillnet regulations which the NEFMC knows full well cannot be enforced. At the Amendment 13 meeting in Hyannis, Mass., I specifically asked the Council representatives about what NOAA law enforcement and/or the U.S. Coast Guard had said about enforcement of the any of the provisions put forth by the NEFMC for public comment. The response was, at first, an uncomfortable silence, and then an admission from Tom Nies that the U.S. Coast Guard had stated that some of the proposed measures were said to be unenforceable. Mr. Nies did not elaborate or identify which measures were considered by the Coast Guard to be unenforceable and/or when the Council was informed of such fact. By reason of the fact that the NEFMC itself states that "*It makes little sense to adopt regulations that cannot be enforced.*", the NEFMC is today shown abusing the SFA process by secreting vital information from the public when their proposed measures are put up for "public commentary". My question here to each Council member is: "Why are you doing this?"

FAIRNESS -

" * *Are the measures fair and equitable?* We recognize that 'fairness' is often in the eyes of the beholder. Nevertheless, the management measures in Amendment 13 must be fair and equitable to fisherman in all states, in different permit categories, using different types of gear, etc."

All members of the NEFMC are certainly aware that any piece of bottom upon which a gillnet sits is a piece of bottom denied to all other fishermen for the duration of the time that the net is left on that piece of bottom. By favoring the gillnet sector with: (1) laws that the NEFMC knows cannot be enforced, and (2) by the NEFMC permitting gillnets to remain set on a chosen piece of bottom for as long as the gillnetter wishes, the NEFMC is unlawfully favoring the gillnet sector. The measures the NEFMC currently has in place, and each of the four proposed Amendment 13 management schemes, improperly favor the gillnet sector with measures that are tantamount to granting the gillnet sector the best fishing bottom for as long as the gillnetter wants. This is certainly not a question of fairness that is "in the eyes of the beholder" - because no one else can possibly fish that particular piece of bottom until the net is removed - period!

All of the foregoing is bad enough in-of-itself, but when one adds in the problems of the illegal nets, and bycatch waste caused by soaking nets, the sordid perversion of the Magnuson-Stevens/Sustainable Fisheries Act by the NEFMC cannot be denied. Clearly, by reason of the fact that there is no set protocol for hauling and inspecting a set gillnet, it is amply clear the NEFMC never had any intention of enforcing their gillnet regulations. As a direct consequence of adopting gillnet regulations which cannot be enforced, the prime fishing bottom is literally carpeted with illegal gillnets of all manner. As a direct consequence of granting gillnetters preferred access to the prime bottom, long term soaking of gillnets has become standard gillnet fishing practice. The gillnets, both legal and illegal, remain on the prime bottom 24/7. In turn, the foregoing causes extreme levels of wasteful bycatch, and also damage to EFH - as the gillnet's lead line sweeps back and forth over the bottom with the change of tide. The waste and damage gets worse still when some dragger or scalloper decides to take matters into his own hands - and clears out some of these parked gillnets - and then dumps the junk in a heap - a ghosting, killing, and entangling heap.

Tragically, all this could be made to end almost overnight by simply requiring gillnetters to fish their nets within sight of their boats, and requiring gillnet boats to return from each fishing trip with their nets. In other words, by simply treating the gillnet sector like every other gear sector! Furthermore, until such time as the gillnets are made to return with their boat, all DAS regulations placed upon the other gear sectors will remain manifestly unfair. A set gillnet keeps fishing/killing/wasting as the owners boat sits tied at the dock, and that cannot be said about any boat in any other groundfish sector! Consequently, the NEFMC cannot put a legitimate face on any of their present or proposed gillnet regulation measures.

The many years of NEFMC fisheries mismanagement, so well exemplified by NEFMC "regulations" adopted for the gillnet sector, has turned deadly serious today in the form of Amendment 13. The NEFMC has already framed the issue into a choice of one of four "alternatives", but by the inclusion therein of gillnet regulations that the NEFMC knows are unenforceable, the sordid and underhanded nature of NEFMC "management" becomes an issue which trumps all others. At the Hyannis meeting on Amendment 13, I tried to make the point that the consequences of bycatch waste and habitat destruction should be made to fall primarily upon those who are the cause of the problem. Unfortunately, the actions of the NEFMC make it clear the NEFMC has yet to see it that way. Given the hand that the NEFMC

has dealt us with their four alternatives, the only thing that could possibly conform to SFA law, the NEFMC guidelines articulated by the April 7, 2000 letter, and the apparent wishes of most of all others who have come forth to comment, is to adopt some form of the status quo - with certain critical provisos as follows:

- (1) Change the system that allows gillnetters to set illegal nets and encourages the long-term soaking of gillnets.
- (2) Recognize the difference between a dragger pulling a 50-60 foot sweep with a 300-400 horsepower engine from a dragger pulling a 200-250 foot sweep with a 500-1500 horsepower engine. All draggers do not waste/damage/discard the same!
- (3) Reward all responsible fishing practices which cause little bycatch and/or EFH damage, and adopt regulations which discourage and punish wasteful and destructive fishing practices.

The "SECOND AFFIDAVIT OF PAUL J. DIODATI", filed in the CLF v. Evans case, shows us why this would work. In his filed affidavit, the Director of the Massachusetts Division of Marine fisheries raises many valid points, backed-up by Massachusetts sea sampling data, including the following:

- (1) "20. ... SAW 33 determined that GOM cod discards in 1999 were 2,500 metric tons (mt) more than commercial landings (emphasis added). ... Furthermore, without first addressing the bycatch and discard problem other management measures adopted to achieve SFA targets will be frustrated."
- (2) "22. The Commonwealth proposes a much more effective, timely, resourceful and restrictive short-term remedy to reduce bycatch and discards. Its proposed remedy is based on the most recent conclusion of the Council's Scientific and Statistical Committee (SSC) that in 1999 and 2000 50% of GOM cod fishing mortality was due to discards. Thus, this Court must assure that any short-term remedy focus on measures that will dramatically reduce mortality caused by discarding. Such a remedy must include an irrefutable and substantial by-catch and discard mortality-reducing measure(s)."
- (2) "23. Dragging and gillnetting can cause large amounts of discards, especially when trip limits, such as the current 400 pounds, are low and cod abundance from a recovering stock is high. The Commonwealth would propose a shift in how GOM groundfish fisheries are prosecuted in the "inshore" portion of the GOM."

Reasonably, the NEFMC should devise measures that will get the needed mortality reductions from what is today being wasted - rather than from the livelihood of those who are not causing the waste. Additionally, that 50% GOM waste estimate mentioned by Mr. Diodati is certainly low because: (a) no one has any idea whatsoever about how many illegal gillnets are out there, (b) it is impossible to calculate how many fish a long soaking gillnet has killed before it is even hauled, and (c) no one can accurately determine the extent to which draggers and gillnetters are lying about their discards on their VTRs. In reality, it is very likely that year after year the discards of GOM cod equal or exceed the landed catch. The NEFMC council members must understand that people who fish responsibly, and cause little or no discards, see the issue of discards as a matter of "fairness" when their ability to make a living is constantly being sacrificed by the NEFMC to essentially "keep the pigs feeding at the trough".

Finally, on a personal level, for a period that now extends to seven (7) years, my ability to jig for cod on the backshore of Cape Cod, (the "broken bottom" in the vicinity of the 42N and 70W intersection), has been greatly impaired, even prevented, by parked gillnets. Most of the gillnets set in this area are illegal nets with no identifying markings on the buoys, and no tetrahedral

reflectors. Here, we have a group of Massachusetts State licensed boats illegally setting nets in Federal waters on a regular basis, and other gillnetters who come from afar to set nets in excess of their legal allotment, and/or to set nets above the 42N line. Because these are illegal nets, they are poorly tended, and are allowed to soak (read - kill/waste), for very long periods - and they all sit on the prime cod bottom. At various times over these past seven years, elements of the U.S. Coast Guard, NOAA law enforcement, and the Massachusetts Environmental Police, have tried to put a stop to this flagrant lawlessness - to no avail. They are all unable to haul a gillnet, and none of these agencies has a protocol in place for hauling/handling a set gillnet - which can legally be up to one mile long. So it all falls back on the NEFMC for enacting gillnet "regulations" which they fully know are unenforceable. This situation must end, and Amendment 13 provides the NEFMC the opportunity to redress this long-standing wrong. The NEFMC must now abide by the mandate of the SFA and their own articulated guidelines, and that, in turn, will provide the fishing mortality reductions to which Amendment 13 is directed.

Sincerely yours,

Jean F. Frottier
249 Gross Hill Road
Wellfleet, MA 20667
E-mail woofy1@comcast.net

7

December 8, 2003

Commercial Fisheries News
PO Box 37
Stonington, ME 04681

To the Editor;

A 10/28/03 article in the Boston Globe quoted "a high-ranking National Marine Fisheries Service employee who asked not to be identified": "In New England fishing, it's all about end runs for the special interests. If you don't get what you want locally, you go up a notch. You go to the national head of the service, ...".

Bingo! Now, Amendment 13, and the lead in CFN's December issue: "New England council adopts Northeast Seafood Coalition plan". At the public hearings on Amendment 13, many came with that excellent CFN breakdown of the four "preferred alternatives". After the fact, CFN publishes the full-page ad: "We at the Northeast Seafood Coalition want to share our review of Alternative 5. Filed papers for the Northeast Seafood Coalition, Inc. show this entity for what it is - a politically well-connected group of draggersmen and gillnetters." CFN also published a letter speaking to how Dr. Hogarth became involved. But, Alternative 5 serves the interests of this one group by misusing the SFA process to prevent timely challenge by others.

Commenting after the fact, I can only point out that the problem of massive dead discards of regulated species caused by draggersmen and gillnetters is, of course, (again) completely ignored. Where the level of dead cod discards in the GOM is shown equal to, or exceeding, the landed catch, we see the Council and the head of NMFS again willing to countenance the appalling waste that has frustrated all prior initiatives. We see (again) the inclusion of gillnet regulations that all know are impossible to enforce - by reason of the fact that enforcement has no means to haul/handle a gillnet, or its catch. We see continued use of different regulations on either side of the 42N line with no ability to enforce violations.

Why do I care? I am now 60 years old, and I have been a commercial fisherman for a long time. In the winter I jig for cod on a limited access hook license. Jigging is as clean as it gets, but NMFS does not even recognize it as a distinct category. Instead, the Council and NMFS allow gillnetters to soak their nets (about as dirty as it gets) on whatever piece of bottom they chose for as long as they wish. That, in combination with gillnet regulations which cannot be enforced, leaves the prime bottom carpeted with unmarked (illegal) nets, and no good place for people like me to fish. Alternative 5 insures that this abuse will continue.

Jean Frottier
Wellfleet, MA

8

February 26, 2004

Sent by FAX
(978) 281-9135
Sent using 281-9207

Patricia A. Kurkul, Regional Administrator,
National Marine Fisheries Service
One Blackburn Drive
Gloucester, MA 01930

RE: Comments on the Proposed Rule for Groundfish Amendment 13.

Dear NOAA Regional Administrator,

Any comment on Amendment 13 must be considered in light of what a "high-ranking National Marine Fisheries Service employee" is represented to have said to a Boston Globe reporter prior to the adoption of the "Alternative 5" that now constitutes the current NEFMC proposal up for review:

"In New England fishing, it's all about end runs" for the special interests, says a high-ranking National Marine Fisheries Service employee who asked not to be identified. "If you don't get what you want locally, you go up a notch. You go to the [national head] of the service, then you go to the head of the Department of Commerce, then you go political and threaten the budget allocations. It's endemic."

It is hard to imagine a more perfect example to the truth of the foregoing quotation than the Amendment 13 proposal put forth by the NEFMC. At the public hearings on Amendment 13, "Alternative 5" was never set forth for public discussion or comment, yet it now sits before NMFS for final review. Having attended the public hearing held in Hyannis, Massachusetts, I can say first hand that the attendees were asked by Mr. Tom Nies to limit their comments to the four alternatives that had been set forth in a "measures matrix" provided by the NEFMC for discussion purposes. Attendees were also discouraged from cross-mixing parts of the four alternatives in their comments. We were left with the clear impression that it was to be a choice of one of the four. Obviously, the Northeast Seafood Coalition was given a key to the backdoor and allowed to cobble together the self-serving insult to due process and honest dealings that the NEFMC has placed before NMFS for "review". The record will clearly show that this NMFS review is the only opportunity given to the public to offer any challenge to the Northeast Seafood Coalition's "Alternative 5" that now sits before NMFS as the NEFMC proposed rule.

Enforcement:

The most striking deficiency of this proposal put forth by a group of draggers and gillnetters relates to enforcement. As a commercial jig fisherman who has suffered greatly as a consequence of years of unlawful conduct by certain draggers and especially gillnetters, I am one of those who is demanding an end to regulations which are known to be unenforceable prior to passage. In a certain NEFMC letter dated April 7, 2000 letter addressed to "Groundfish Permit Holders" they state:

"Some of the criteria the Council will use when evaluating management measures include the following:

- "Are the measures enforceable? It makes little sense to adopt regulations that cannot be enforced."

Looking to the NEFMC "Public Hearing Summary" for the September 14, 2003 meeting in Hyannis, Massachusetts NMFS will find me asking the NEFMC representatives about enforcement of the measures set forth in their "measures matrix":

"Mr. Shawn Fortier (sic), fisherman, Provincetown, MA: Back in April of 2000, the Council made a statement concerning enforceability of regulations. Has there been any consideration of whether these measures are enforceable? We cannot expect an increase in enforcement resources. Mr. Nies: Volume I of the full amendment includes an evaluation of whether the measures are enforceable. This was prepared with the assistance of NMFS and the Coast Guard. Some measures may not be enforceable.

NMFS is asked to take express notice of the fact that Mr. Nies does not identify the suspect measures for the public, and he misrepresents what was actually said to the Council about some of the NEFMC proposals by using the phrase "may not be enforceable". In truth, it is a matter of record that, for many years, NOAA Law Enforcement and the U.S. Coast Guard has told the NEFMC Enforcement Committee that the regulations pertaining to the number of gillnets, the configuration of gillnets, and the size of gillnets have little possibility of enforcement.

The fishermen proponents of the underlying "Alternative 5" are draggers and gillnetters who fish at night (hook fishermen do not), and they ended their Amendment 13 proposal with the following: "There is no VMS requirement automatically implemented by this alternative". . NOAA should remain mindful of the fact that at sea approximately 90% of fisheries violations occur at night – while approximately 90% of enforcement activity occurs during daylight hours. The proposal put forth for approval by the NEFMC continues to ignore the documented failures to enforce present fisheries regulations in any meaningful manner. The NEFMC's Amendment 13 proposal continues to ignore the longstanding concerns of Law Enforcement which have time and again been brought to the attention of the "Enforcement Committee" of the NEFMC. Now they add yet more questionable measures with no VMS. VMS represents the only possibility for any nighttime enforcement given the inherent dangers of nighttime boarding and the extreme demands on Coast Guard resources for Homeland Security. NMFS should not approve a complicated management scheme that has no reasonable possibility of being enforced.

Fairness:

The NEFMC's April 7, 2000 letter also had something to say about "fairness":

- "Are the measures fair and equitable? We recognize that "fairness" is often in the eyes of the beholder. Nevertheless, the management measures in Amendment 13 must be fair and equitable to all fishermen in all states, in different permit categories, using different gear types, etc."

With NMFS now as the "beholder", I ask, *What is the least bit fair about continuing to allow gillnetters to set all the illegal nets they want on any piece of bottom they want for as long as they want?* That is exactly what the NEFMC is doing by (again) adopting gillnet regulations they know full well are unenforceable. Gillnetter lawlessness has gotten to the point where we have Massachusetts State licensed gillnetters setting hundreds of nets as much as 2½ miles into Federal waters. This has been going on in our area for the past six years! The Coast Guard has witnessed the problem of illegal nets during their regular boarding operations off Cape Cod. We have also made complaints to the Coast Guard, NOAA Law Enforcement, and the Massachusetts Environmental Police. Nothing is being done about it because there is nothing that they can do about it! Law enforcement has told this to the NEFMC on many occasions.

On a personal level, the draggers and gillnetter lawlessness has resulted in a substantial loss of my income and has damaged the value of my permit. The same is probably true for most hook fishermen. NMFS is certainly aware that any piece of bottom upon which gillnets are set represents bottom denied to all other fishermen. Reasonably, if NMFS has no means to remove illegal/killing/wasting gillnets, then they should be banned until such time as NMFS does, or NMFS should insist that the NEFMC adopt regulations which at least controls the problem – such as requiring the nets to return with the boat.

Fairness issues also arise in other aspects of enforcement. How is it fair to allow those who fish day and night to be exposed to little more than 50% possible enforcement, while those (like hook fishermen) who fish only in daylight hours are 100% exposed to enforcement activity? Illegal fishing activity by draggers and gillnetters clearly has the potential to cause great harm to the resource. However, we see the greatest exposure to law enforcement falls upon the sectors known to cause the least harm. This underhanded draggers/gillnetter proposal seeks to protect the ongoing nighttime lawlessness!

Bycatch and fairness. What is fair about regulations that allow some draggers and gillnetters to discard huge amounts of regulated species at the expense of all those fishermen who do not fish dirty?

No Effective Bycatch Reduction:

This draggermen/gillnetter Alternative 5/Amendment 13 proposal contains no effective bycatch reduction measures. What I can relate to NMFS first hand is that while tuna fishing off the BB Buoy when there was a 2000 pound daily limit for codfish, I personally witnessed draggers discarding huge amounts of cod on a tow by tow basis – during daylight hours. How can raising the GOM limit to 800 pounds and dropping the GB limit to 1000 pounds possibly reduce the overall cod bycatch problem caused by draggers? How can yet more gillnet regulations which cannot be enforced possibly mitigate the huge bycatch problem caused by any gillnet that is allowed to soak more than one tide? NMFS certainly knows by this time that controlling bycatch is absolutely critical, and this “alternative 5” does nothing to help.

Using the year 2001– Possible Fraud – Increase in DAS:

Using the 2001 in this Amendment 13 proposal is problematical. One of the glaring problems stems from the way the State of Massachusetts distributed their portion of the \$10,000,000.00 received in 2002/2003 to compensate Federal multispecies permit holders for their lost days at sea. For whatever reason, Massachusetts decided to use the year 2001 in their calculations. That resulted in the largest payments often going to the fishermen who had little participation in the fishery prior to 2001. The State’s use of 2001 makes no sense, but now we see a proposal put forth by a group consisting of mostly of Massachusetts draggermen, gillnetters, and politicians which employs the year 2001 for DAS calculations. If this proposal goes through as presented, these “year 2001 fishermen” will get back the “lost” DAS for which they have already accepted compensation checks. Cute! Under the circumstances, NMFS should secure the fishing history of all the proponents of “Alternative 5” and the fishing history of the Council members who voted for this thing. Something is wrong here! Because the Northeast Seafood Coalition proposal was a back door deal there was no prior opportunity to offer any challenge to this scam.

Using the 2001 DAS data also increases the overall number of days, and swells the number with an unknown quantity of completely “paper days”. Fishermen who actually fished the DAS called in should not have to see their right to fish in any way diminished by those who did nothing more than call in and leave their boat sitting at the dock. Each day that is counted in the total must at least be a day that was actually fished. Furthermore, NMFS signed a consent decree in year 2000, and the entire situation remains far more equitable and far less problematical if Amendment 13 also stays within the same timeframe.

That October 28, 2003 *Boston Globe* article also says: “William Hogarth, the current director of the National Marine Fisheries Service, pledges that he won’t let political pressures affect his decision making”. However, fishermen like myself who are very much troubled by this Amendment 13 proposal and how it came about have good cause to question such a representation after having read Dr. Hogarth’s gushing endorsement of “Alternative 5” (printed in the December issue of *Commercial Fisheries News*). As NMFS can see from the points that I have raised, and the from the manifest deficiencies which I do not have enough space to set forth, neither the process nor the proposal is worthy of Dr. Hogarth’s premature enthusiasm. At the barest minimum, NMFS must reject any element of this proposal that NMFS knows cannot be enforced, and strip the proposal of the fraud involving taxpayer dollars for “lost” DAS.

Finally, if NMFS is at all serious about substantial reductions in DAS, bycatch waste, and habitat destruction – it is as simple as putting an end to fishing at night, and requiring gillnetters to bring their nets home with their boat. Such measures are certainly fair to all fishermen – and Homeland Security would have a much easier job. NMFS should also be mindful of the fact that the cod are already gone. GONE! Each year after 2001 the fishing has been getting worse – in an area extending from the Stellwagen Bank to the BA Buoy. There is already a serious problem with the cod stocks, and this Amendment 13 proposal seeks to prevent anyone from doing anything about it for another two years. Is NMFS going for that too?

Jean F. Frottier
249 Gross Hill Road
Wellfleet, MA 02667
E-mail: woofy1@comcast.net

EXHIBIT II.

Part I.

Relative Distribution and Abundance of Cod in the Northwestern Atlantic 1979-2005 Derived from the NEFSC Spring Bottom Trawl Surveys

This animation loop shows relative cod stock weight and location 1979 - 2005. Each frame represents 3 years of survey data for cod and frames advance every 3 seconds after the file has completed downloading. (yellow circles indicate cod are present, larger circles indicate more cod, plus sign (+) indicates sampled area where no cod were found)

The information displayed here represents 27 years of data, part of a larger 40 year timeseries collected consistently since 1963.

The Northeast's resource survey constitutes the world's longest and most comprehensive standardized measure of distribution and abundance trends in commercially harvested finfish.

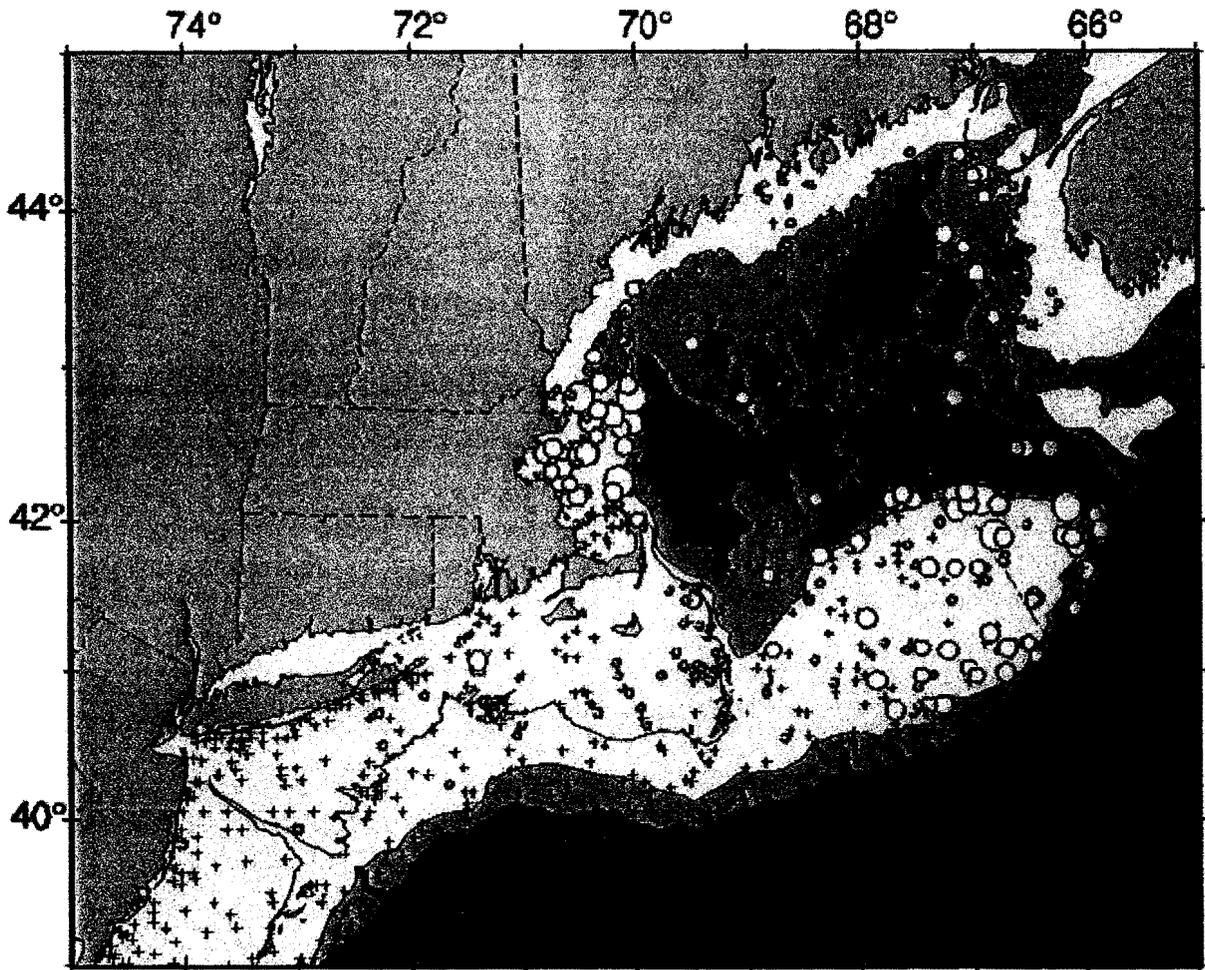
It is not a measure of actual abundance.

It is not a stock assessment.

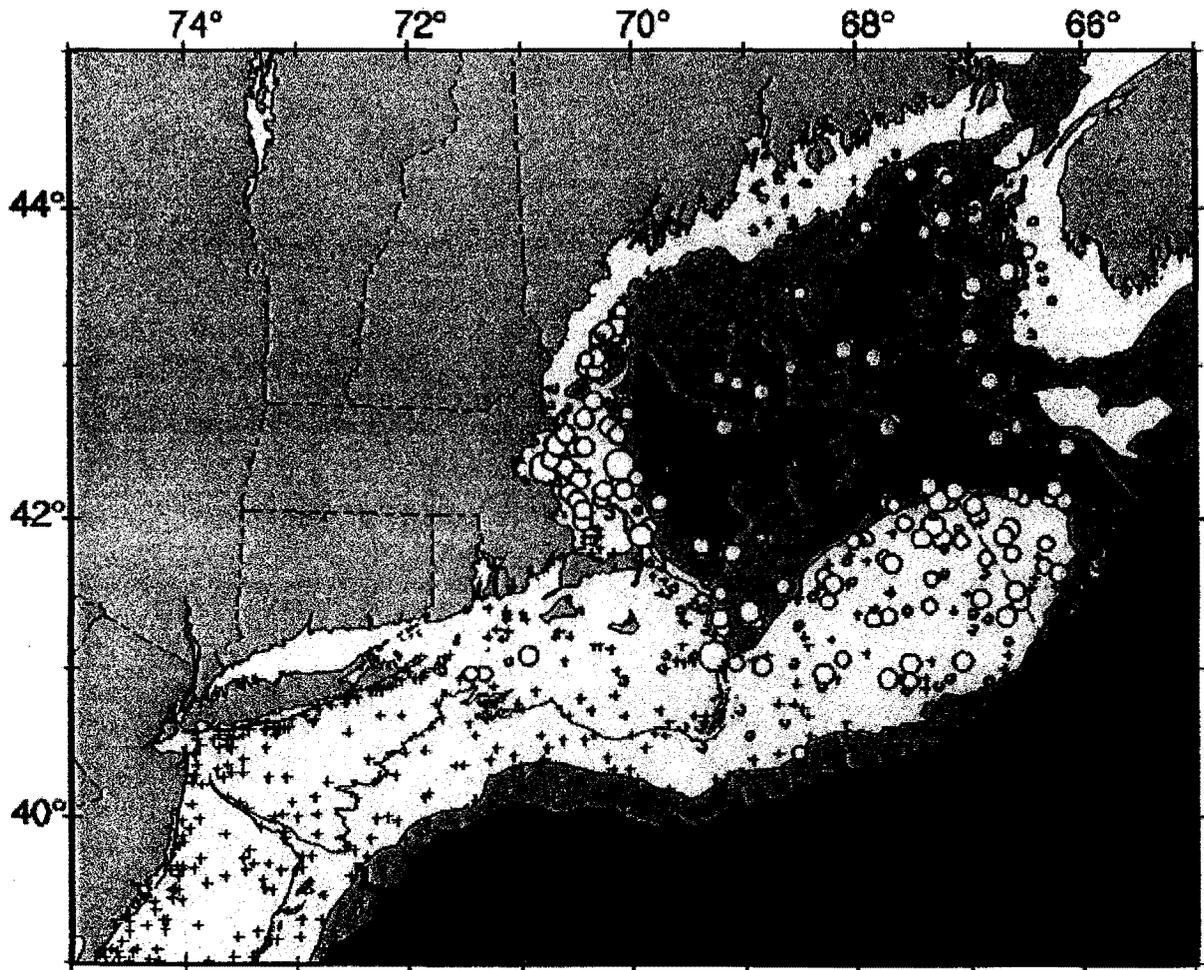
These pictures are animated on this page, but each frame of the animation may also be viewed and downloaded:

- [79to81.gif](#)
- [82-84.gif](#)
- [85-87.gif](#)
- [88-90.gif](#)
- [91-93.gif](#)
- [94-96.gif](#)
- [97-99.gif](#)
- [00-02.gif](#)
- [03-05.gif](#)

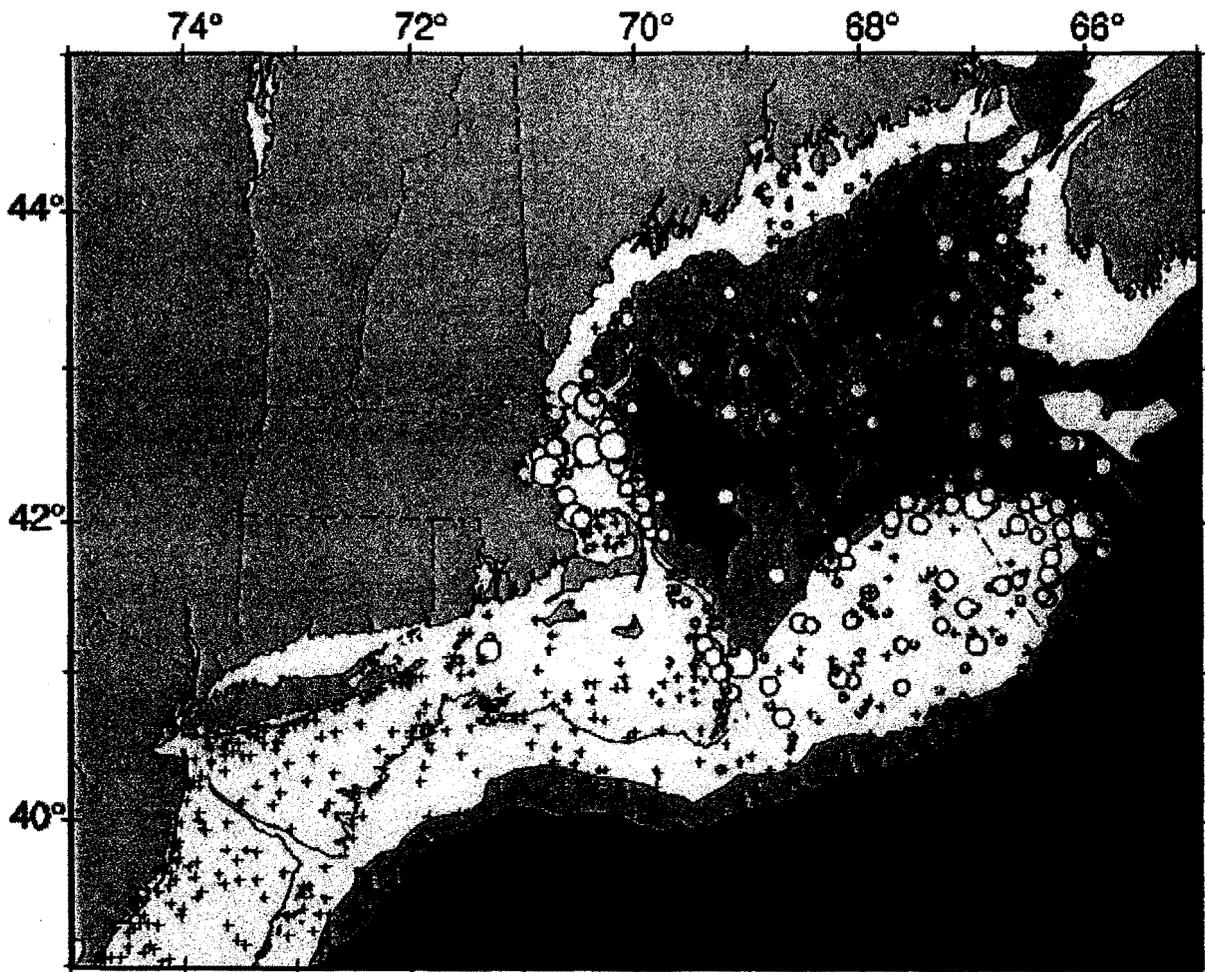
[For general information on cod stocks: Click Here](#)



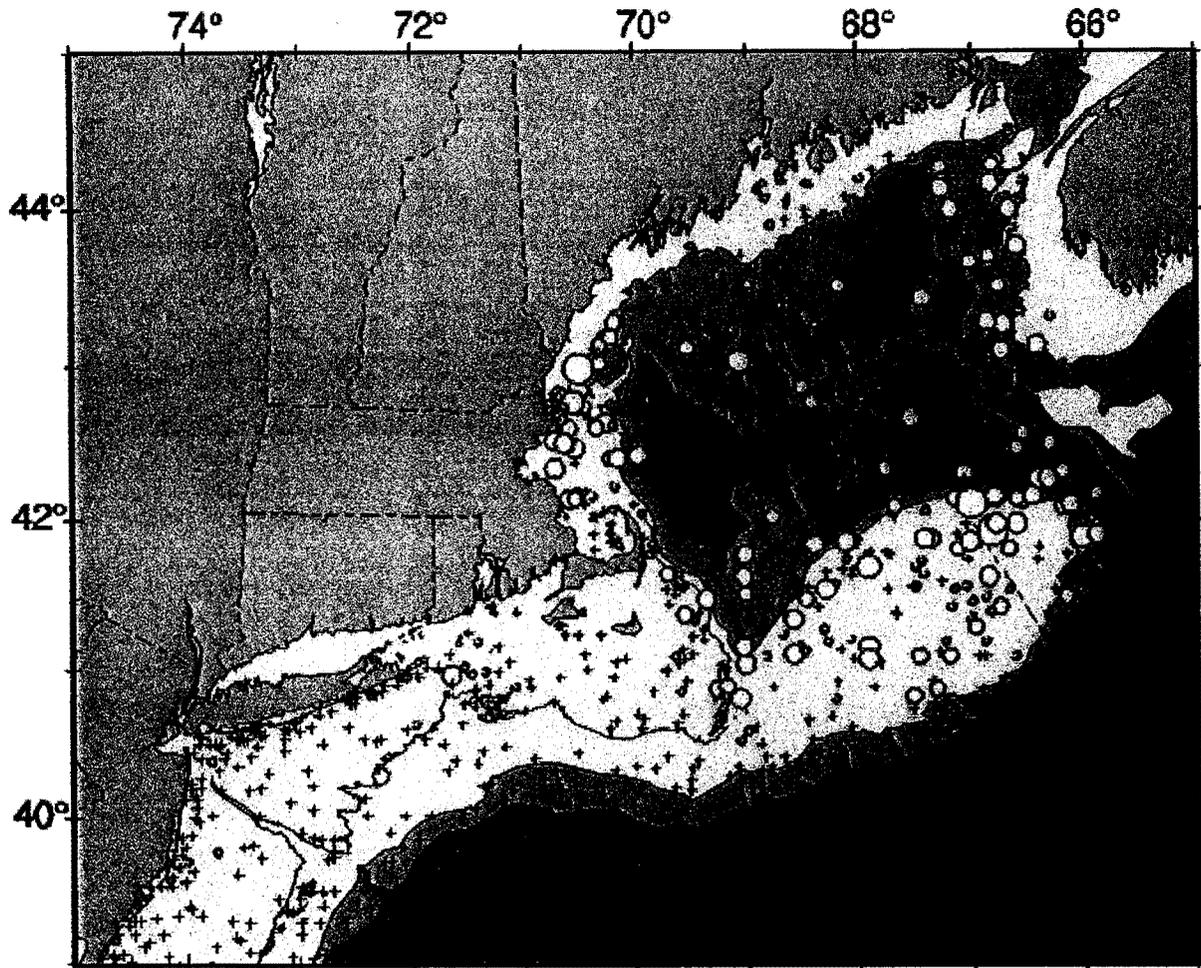
Spring 2003-2005



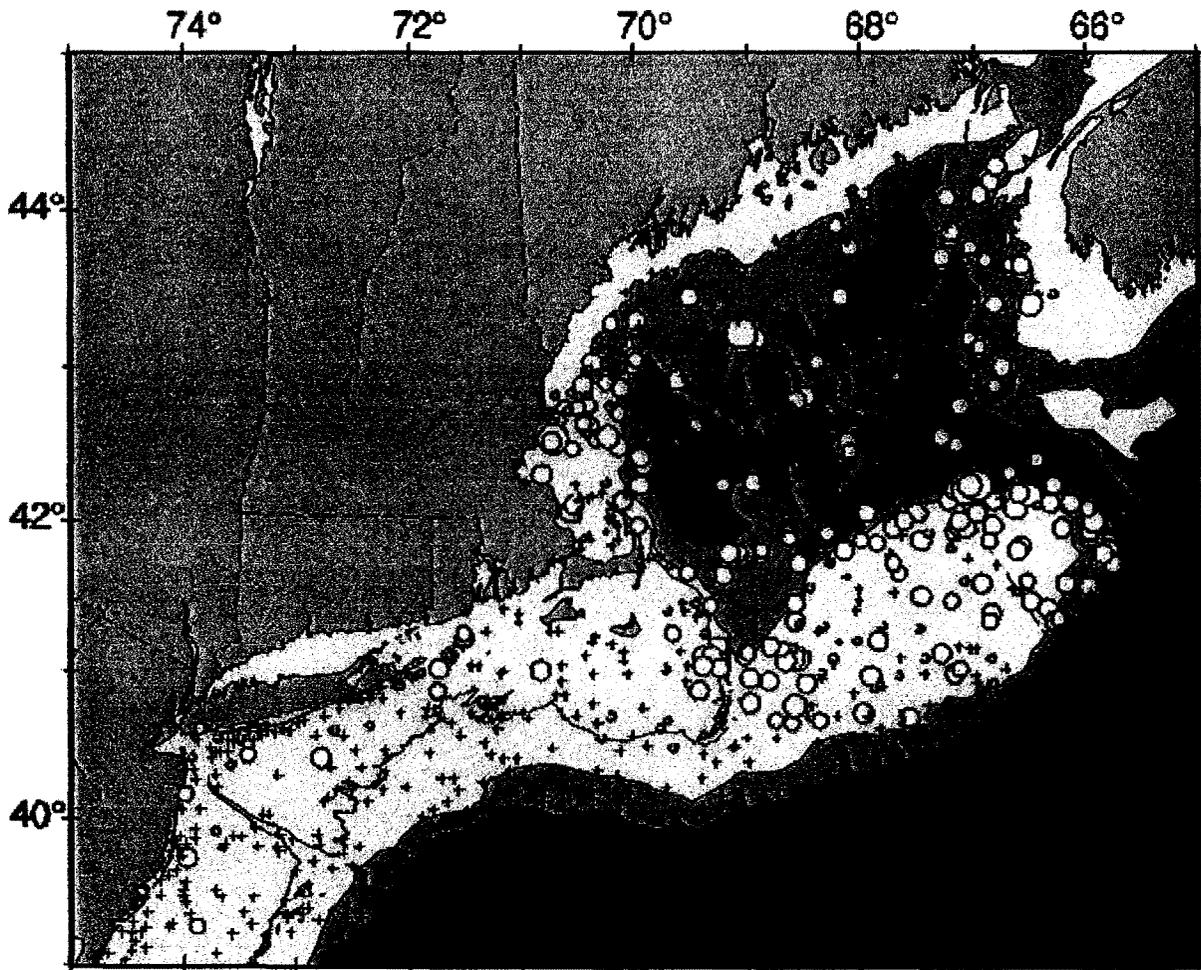
Spring 2000-2002



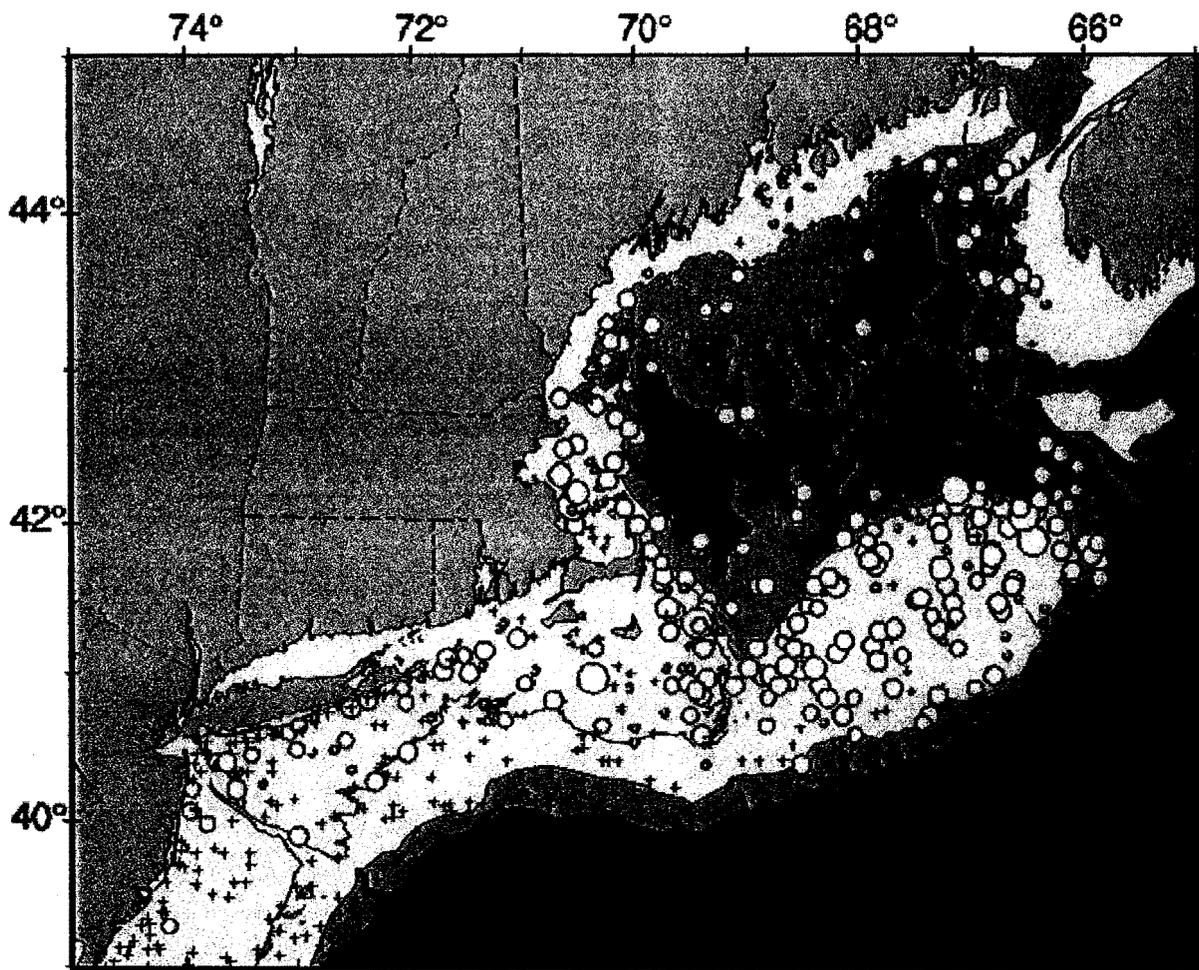
Spring 1997-1999



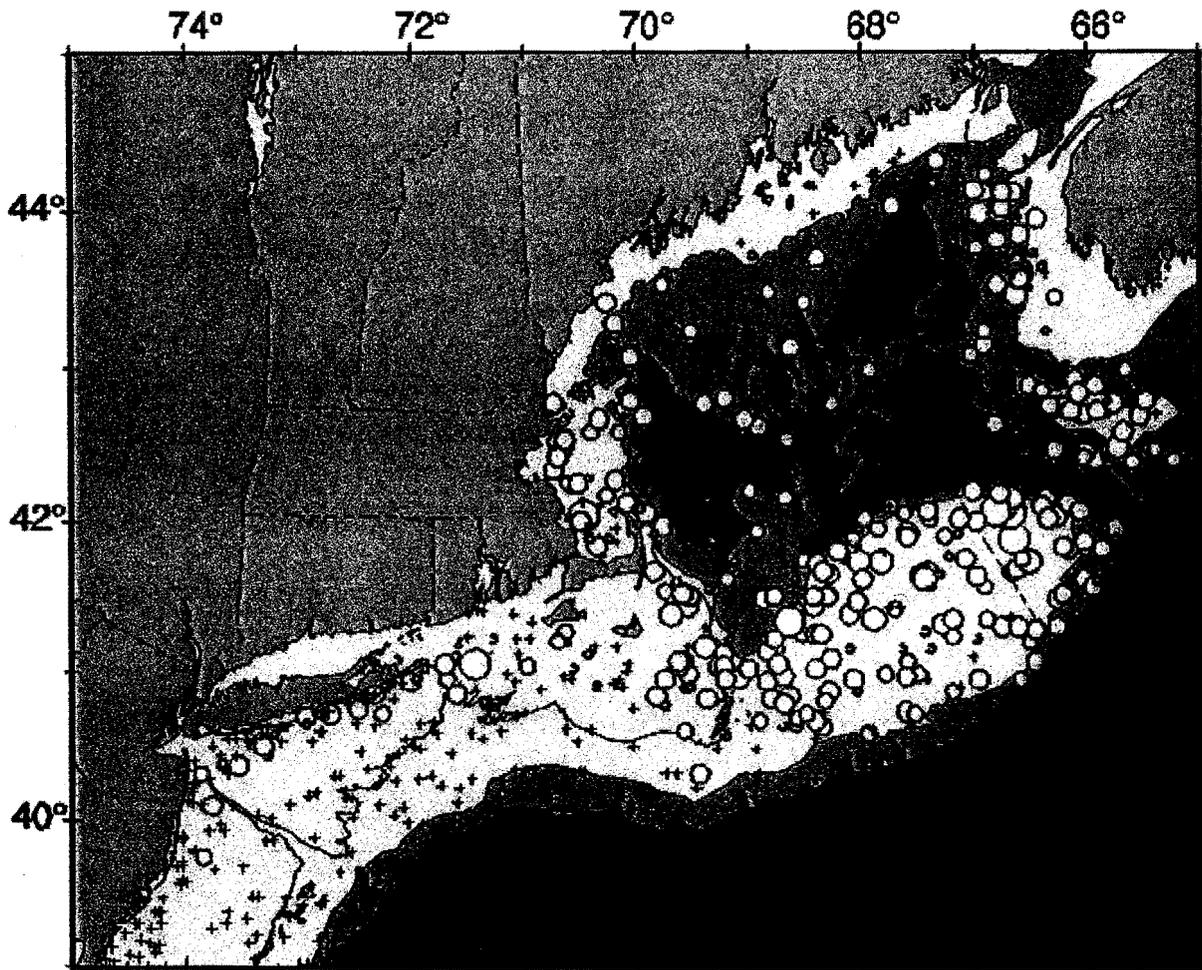
Spring 1994-1996



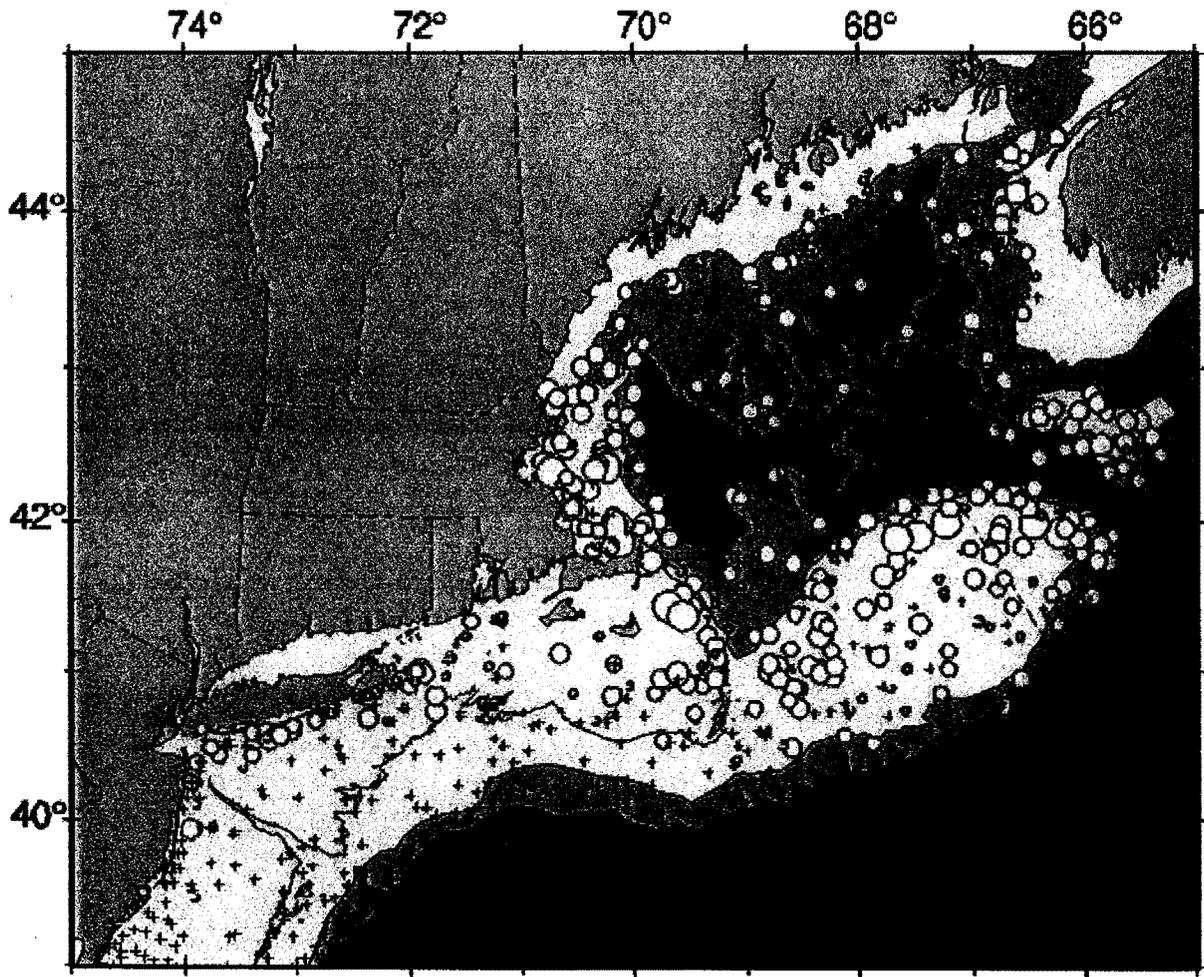
Spring 1991-1993



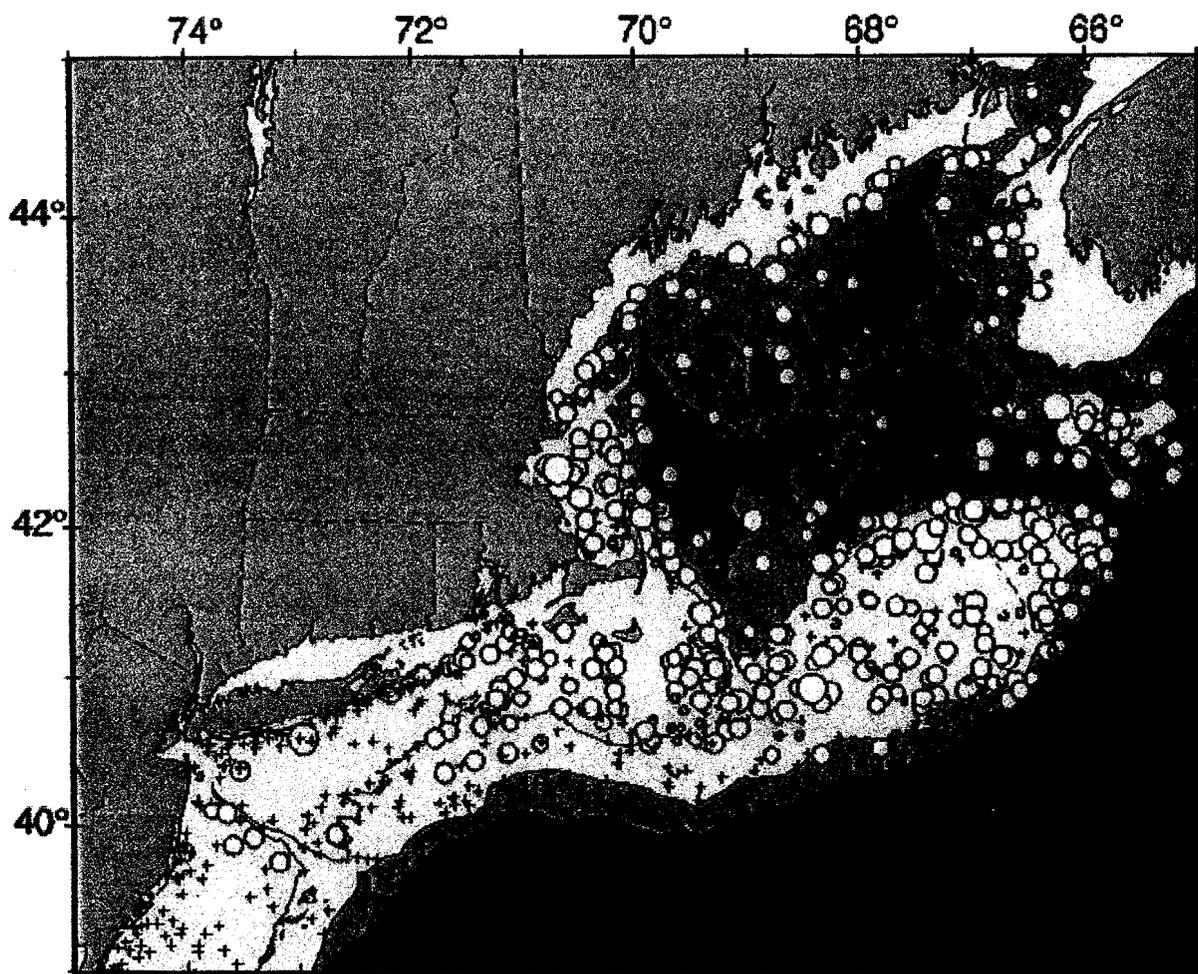
Spring 1988-1990



Spring 1985-1987



Spring 1982-1984



Spring 1979-1981

Exhibit II

Part 2.

Copy of USGS Fact Sheet:

Habitat Geology Studies on and near Georges Bank, off New England

Habitat Geology Studies on and near Georges Bank, off New England

Introduction

Georges Bank was once the premier East Coast fishing ground for groundfish and scallops. The decline of groundfish species due to overfishing contributed to the increasingly restrictive management of fish stocks and a need to identify and protect essential fish habitat (EFH).

Marine habitat geology is the study of the distribution of geologic materials that form the seabed, the geologic processes (such as sediment movement and deposition) that affect the seabed, and the interplay of geologic factors and species behavior that gives rise to biological habitats in general and to specific habitats deemed essential to the success of a particular species (EFH's).

Management Needs

In response to the growing need to manage fish stocks and to protect seabed environments and habitats, there is an increasing demand to know (1) the distribution of geologic materials and processes that are the framework of habitats (fig. 1), (2) the location and character of EFH's, (3) the impact of habitat disturbance by fishing gear, and (4) the processes and time periods required for the recovery of disturbed habitats.

Large areas on and near Georges Bank have been closed to fishing since December 1994 to conserve groundfish stocks (fig. 2). Sea scallops had been depleted in these areas, but they have recovered locally since 1994. Parts of the closed areas recently have been opened for a limited time to allow scallop dredging, thus raising questions regarding the disturbance of EFH's and the bycatch of protected groundfish species.

USGS Research Results

Geologists and biologists of the U.S. Geological Survey (USGS), the National Marine Fisheries Service (NMFS) and National Marine Sanctuaries System (NMSS) of the National Oceanic and Atmospheric Administration (NOAA), the University of Rhode Island, and the University of Connecticut have been conducting joint studies of the seabed geology

and biological habitats of Georges Bank for several years. These studies have shown that—

- Herring spawning sites are located on gravel bottom only where currents are strongest
- Juvenile cod survive best on gravel habitat, especially where sponges, tube worms, and other attached species (known as epifauna) increase the complexity of the seabed (fig. 1A)
- Attached species are not able to colonize gravel habitat that is buried occasionally by moving sand
- Dredging and trawling on gravel habitat remove epifauna and decrease habitat complexity, but fishing gear apparently has less long-term impact on sand habitat, especially where sand is moved by bottom currents
- Scallops prefer habitats of gravel and nonmoving sand (weak bottom currents)
- Closure of large areas to fishing allowed depleted sea scallop populations to increase markedly in 4–6 years
- Some sand-dwelling flounder species possibly prefer moving sand (strong bottom currents), but others prefer nonmoving sand habitats

These results are being used by the New England Fishery Management Council (NEFMC) and the NMFS in deciding where fishing may occur and where the seabed must be closed to fishing to protect fish stocks and habitats.

Seabed Mapping

The absence of maps showing the geology and habitat character of the seabed is the greatest single obstacle to the gathering of information required for the informed and successful management of the region's seabed habitats. The USGS has used multibeam sonar technology to map part of Closed Area I in the Great South Channel region (figs. 2, 3). The habitat information provided by these multibeam sonar images of the seabed has been used by the NEFMC to make management decisions that opened some parts of Closed Area I to scallop dredging and protected other parts that are valued as groundfish habitat.

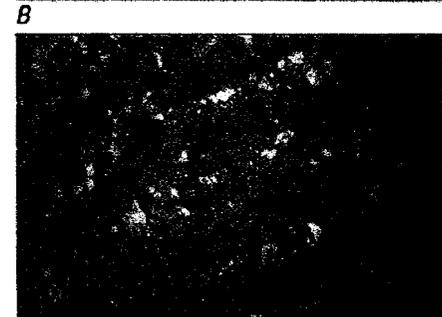
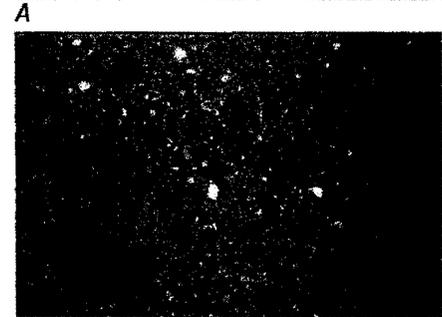
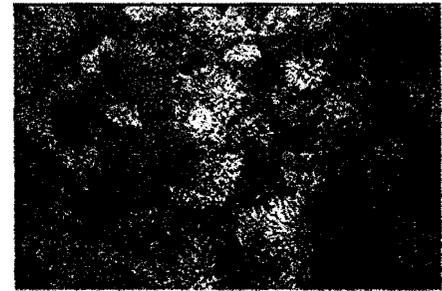


Figure 1. Photographs of the seabed showing some typical Georges Bank habitats. See figure 2 for locations. *A*, Undisturbed gravel habitat with epifauna of tube worms and other attached species. *B*, Gravel habitat disturbed by scallop dredges and lacking epifauna. *C*, Moving sand habitat (strong bottom currents) with sand dollars in ripple troughs. *D*, Non-moving sand habitat (weak currents) with sea scallops.

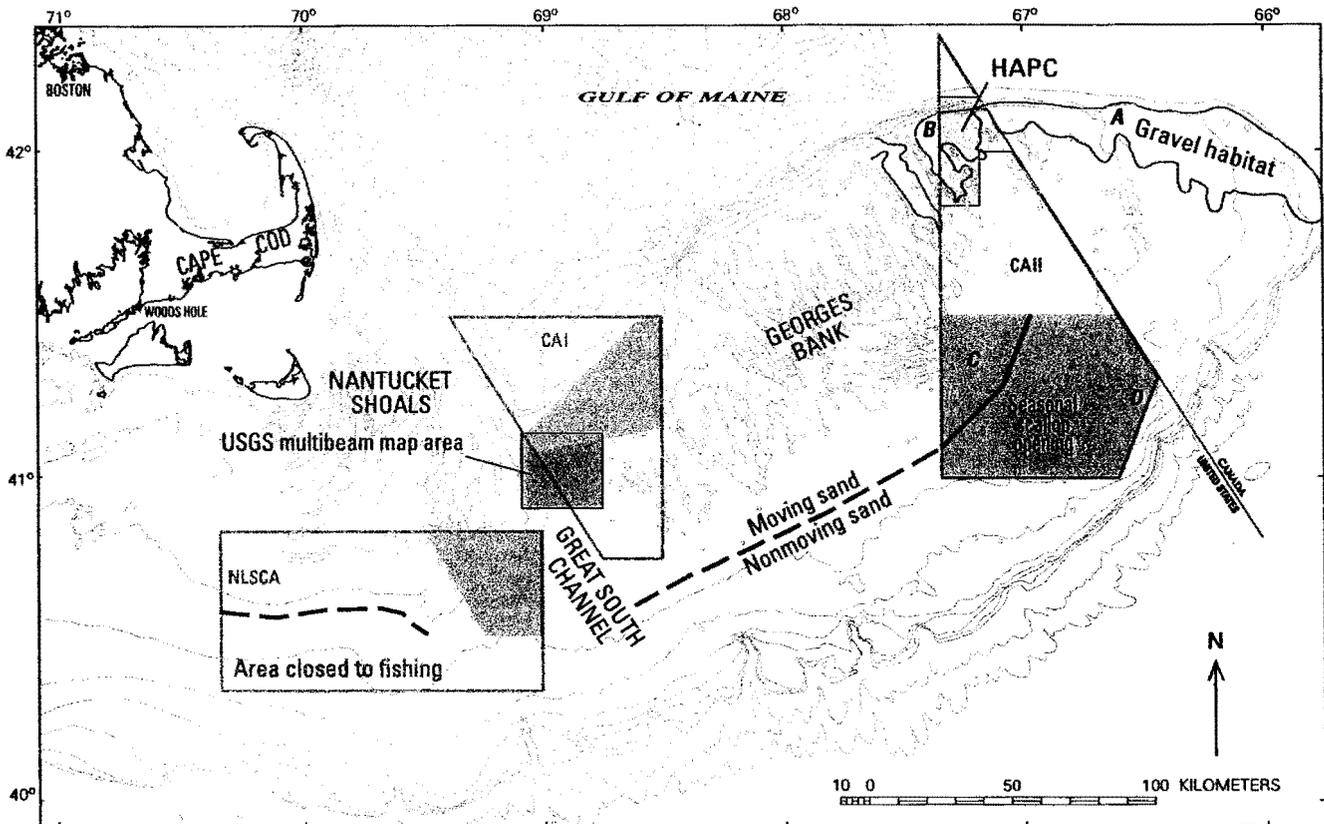


Figure 2. Map of Georges Bank and nearby regions showing areas closed to fishing since December 1994 (CAI, CAII, NLSCA), parts of closed areas that were opened seasonally to scallop dredging (pink), part of Great South Channel mapped by USGS multibeam sonar (orange; see fig. 3), gravel habitat on the northern edge of the bank (red outlines),

a habitat area of particular concern (HAPC, yellow) recognized for juvenile cod, boundary (green line, dashed where inferred) between moving sand habitat (strong bottom currents) and nonmoving sand habitat (weak currents), and locations of habitats shown in figure 1 (A, B, C, and D). Base map from NOAA's National Ocean Survey Chart 13200.

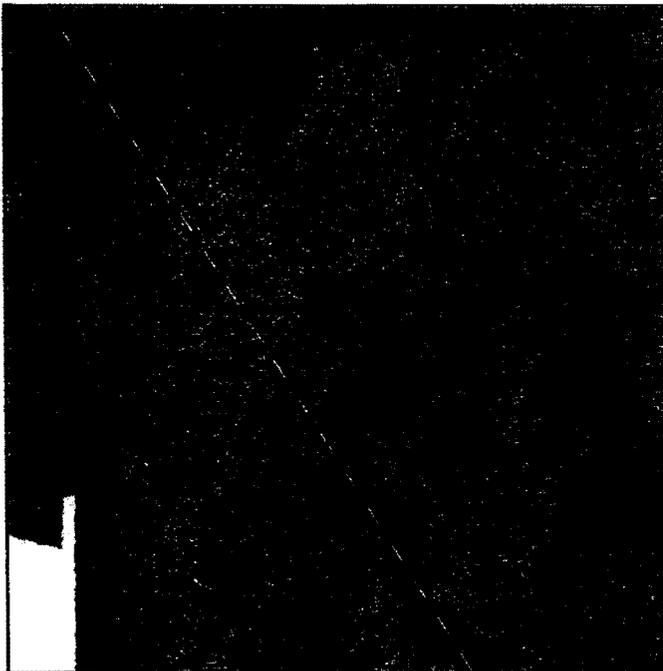


Figure 3. Part of Great South Channel (fig. 2) showing backscatter intensity draped over shaded-relief imagery of the seabed. Colors of backscatter data derived from multibeam sonar mapping indicate the wide variety of habitats in this important fishing ground: orange indicates high-backscatter material (coarse sand and gravel); green indicates moderate-backscatter material (sand); and blue indicates low-backscatter material (fine sand). Closed Area I (CAI) boundary is white dashed line. Area shown is 26 x 26 kilometers.

For more information, please contact:

Page C. Valentine
 U.S. Geological Survey
 384 Woods Hole Road
 Woods Hole, MA 02543-1598
 Telephone: (508) 457-2239
 E-mail: pvalentine@usgs.gov



New England Fishery Management Council

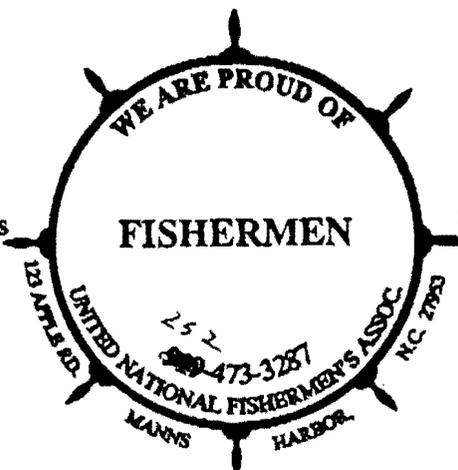
50 WATER STREET | NEWBURYPORT, MASSACHUSETTS 01950 | PHONE 978 465 0492 | FAX 978 465 3116
Frank Blount, *Chairman* | Paul J. Howard, *Executive Director*

Scoping Comments For Amendment 11
to the
Atlantic Sea Scallop Fishery Management Plan

Written Comments Received
via Mail, Fax and Email

Comments received after the March 6, 2006 deadline

New England Fishery
 Management Council
 Scallop Scoping Comments
 The Tannery Mill 2
 Newbury Port MA 01950
 Fx 978-465-3116



**GENERAL
 CATEGORY
 SCOPING**

Dear Sir,

BUY BOAT! The Plan development should consider allowing buy boats to purchase scallops at sea. Purchase of scallops is not covered in the prohibition of transferring scallops at. The purchase of scallops by a dealer at sea on a buy boat would have all the necessary reporting by the vessel & the dealer on the buy boat.

Advantages of allowing buy boats!

Saving of fuel, (vessels could stay on the grounds and not burn fuel steaming back & forth to port each day, vessels would not need as much dock space in Northern ports where recreational vessels utilize most available dock space. Trips to the ports would be staggered or to central located ports where dock space was available for fuel & repair. Vessels could work area around buy vessel, not areas closest to port, general scallop vessels could scallop in areas with scallops that are large but not in sufficient amounts to justify utilizing days at sea by limited access vessels.

If the north South line is adopted then areas to the east of the line could be harvested by general scallop permitted vessels, areas that the vessel tracking system show currently limited access vessels do not scallop.

Currently ~~thirty million pounds plus~~ are not utilized due to management. These scallops die of old age or predators because they become too large to move. By allowing buy boats for general category scallops a portion of the regulatory wasted scallops could be harvested.

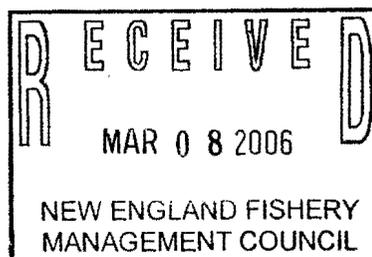
Currently areas of low abundance but large scallops are being allowed to die. the buy boat with general scallop vessels could economically & efficiently harvest these areas. Example: areas off Virginia Beach Va. have marginal scallop populations, the limited access fleet does not work the area. the area is too far off shore to allow economic harvest by the general category. thus a buy boat / dealer & general scallops could harvest the area, Scallops that will currently die of old age would be utilized for economic return.

Law Enforcement could put an agent on the vessel,, calculate the purchases and visits by General scallop vessels and know what the dealer/ buy boat had on board. With the fines for non compliance the buy boat/ dealer would have no incentive to break the law.

BUY BOAT MUST BE CONSIDERED FOR ECONOMIC REASONS, FOR UTILIZATION OF THE RESOURCE.

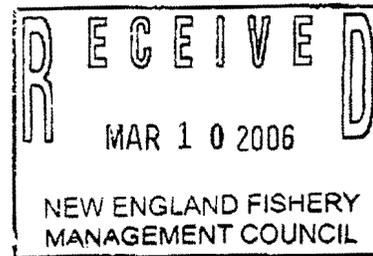
Sincerely

James Fletcher
 James Fletcher
 03-08-06



March 6, 2006

Paul J. Howard, Executive Director
New England Fishery Management Council
50 Water Street, Mill #2
Newburyport, Ma 01950



Dear Mr. Howard:

My name is Charles Christopher Jr and I am a 5th generation fisherman. My family has been fishing the waters off the coast of the United States since the early 1800's.

My father and family has been scallop fishing since 1979. We were there when the trips were 21 plus days long and the price was a little more than \$2. It was very hard to make a living and support a family, however we hung in there. Several years later we purchased our own boat, the F/V Christopher Pride and the road ahead proved nothing but finical hardship. Over time things did get better, until September 2003. Our vessel, Christopher Pride, caught fire and sank at the Lobster House in Cape May NJ again giving us huge finical burdens. We had no insurance on the vessel and therefore had to come out of pocket. All of our finical resources had been drained. Know one would touch us finically with a ten foot poll. Finally, two years ago we were able to get financing and my father and uncle (50/50 partners) now own the F/V Christopher's Joy.

The problem that I am faced with is, now that I am finally able to purchase a vessel and use it for day scalloping, the council wishes not to allow me to do so. I am in the process of buying a 60' shrimp boat to use for scalloping. I have sunk a lot of money and time into this project. I am not a new comer to this industry whatsoever, I was just not finically able to do it on my own until now. I hope that the council will take into account that I personally think that HISTORY of your fishing in the industry should play a role to who gets in and who is out.

Something that I don't clearly understand is that in 1994 when Amendment 4 was set forth, those that were in, were in, and those that were out, were out. We as industry has allowed those that have not scalloped a day in there life (up until 2 plus years ago) to enter our fisheries, (that's not fair to me!). I guess what I am trying to say is that if someone like me and my family along with the history that we have in this industry can't get a day fishing scallop permit, no one should. We should simply go back to the control date of Oct 1994 and honor Amendment 4. We should let no one pass that 1994 date enter the industry. It's simply not fair for so many new comers to think that they can't just come into the scallop industry. Years ago, they choose to shrimp, fish or what ever they did, we choose to scallop!

My views are very mixed, I agree with some of the things that the council proposes and than again, I agree with some of the things that the fisherman says. One of the things that I will comment on is something that a gentleman brought up at the meeting, (I will not say his name but it is on record). He mentioned the word "GREED". I think that some of us in the scallop industry feel that there is a type of monopoly going on. The

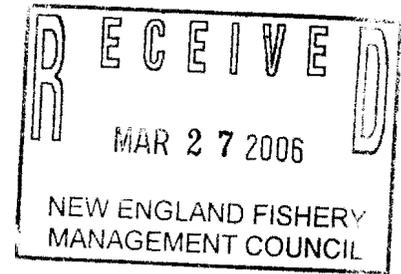
companies with the fleets (3 or more vessels) seems to want all of the rules and regulation to go according to their needs and not want the smaller guys (like myself) to succeed or build and expand our small businesses. These guys seem to have more of a say so and controls what happens because they have more money/power.

I do apologize to the council for not addressing each of the questions that was listed in the draft giving to us at the meeting. However, I do strongly think that much time, thought and many more meetings should be conducted so that this matter will be fair and just. Also, I really think that the 1994 control date, including myself should be a major factor in the decision making for the council.

Sincerely,

Charles Christopher

From: boardman [mailto:board.man@comcast.net]
Sent: Monday, March 27, 2006 9:23 PM
To: Deirdre Boelke
Cc: scallopscoping@noaa.gov
Subject: Sea Scallop Amendment 11 Scoping Comments



Attention: Paul J. Howard, Executive Director
New England Fishery Management Council

Dear Sir,

My name is Paul Boardman and I am a General Category Scalloper. I own and operate the F/V Heckler and live and fish out of Barnegat Light, N.J.

I originally submitted comments on March 5, 2006 to the designated email address "scallopscoping@noaa.gov", however, for whatever reason they were not included with the other public comments so I thank you for the opportunity to submit the following comments for your consideration:

1) Limited Entry.

Council should use limited entry to reign in the fleet.

November 1, 2004 control date should be used.

However, there must be a "re-rigging clause" to protect the interests of those few individuals that were genuinely re-rigging for scallops prior to the control date.

In order to qualify under a re-rigging clause may I suggest the following criteria:

Vessel owner must possess legitimate receipts dated prior to November 1, 2004 for a considerable sum, ie: at least \$5000- must have been spent.

Receipts must be for dedicated scallop gear, ie: dredges, deck winches, towing cable, construction of gallows, A-frame etc.

Vessel must have commenced Gen Cat scalloping within 6 months of the control date.

Vessel must have possessed a general category scallop permit prior to the control date.

Vessel must also possess at least 1 other limited access federal permit, ie : multi species, monk fish, lobster, longlining etc.

Any re-rigging vessel should be allowed a full 12 months from the date of their first scallop trip to achieve any additional qualifying criteria.

I believe a strict criteria as I have outlined above would result in very few additional vessels qualifying for any Gen Cat permit.

Yours sincerely,

Paul Boardman

Appendix II
For Amendment 11 to the
Atlantic Sea Scallop Fishery Management Plan

Written public comments on the Amendment 11 DSEIS

WRITTEN COMMENTS ON AMENDMENT 11 DSEIS

(Deadline for comments June 11, 2007)

Comment #	Date Received	Name	City, ST
BATCH 1	COMMENTS RECEIVED BEFORE COUNCIL MAIL DATE (FRIDAY, JUNE, 8)		
1	4/30/07	B. Sachau	Florham Park, NJ
2	5/18/07	Donald A. Williams III	Owls Head. ME
3	5/21/07	Patricia Kurkul, NMFS	Gloucester, MA
4	5/26/07	Kenneth Ochse	
5	5/28/07	Maggie Raymond, AFM	S.Berwick, ME
6	5/30/07	G.C. Dean	Ocean City, MD
7	5/30/07	Edmund Blane	Seaville, NJ
8	6/3/07	Maine DMR public hearing notes	Portland, ME
9	6/3/07	Fisheries Survival Fund	Washington, DC
10	6/4/07	David Tedford	Chester, MD
11	6/4/07	James Gutowski	
12	6/5/07	Atlantic Capes Fisheries Inc.	Cape May, NJ
13	6/6/07	Scott Bailey	
14	6/6/07	Nordic Fisheries, Inc.	New Bedford, MA
15	6/6/07	Ray Trout	Lewes, DE
16	6/6/07	Stanley Pritchett	Cambridge, MD
17	6/6/07	James Fletcher	Manns Harbor, NC
18	6/6/07	William Anderson	Trescott, ME
19	6/6/07	Michael Welch	
20	6/7/07	Ralph Dennison	
21	6/7/07	Capt. Mike Skarimbas	Montauk, NY
22	6/8/07	Denis Lovgren	Point Pleasant, NJ
23	6/6/07	John, Mary and AJ	
24	6/8/07	Eric L Lundvall	Little Egg Harbor, NJ
25	6/11/07	Walter Jessiman	Cutler, ME
26	6/11/07	Troy Ramsdell	Cutler, ME
27	6/11/07	Robert W. Maxwell	
28	6/11/07	Stephen M. Ouellette	Gloucester, MA
29	6/11/07	David E. Frulla	Washington, DC
30	6/11/07	Richard Taylor	Gloucester, MA
31	6/11/07	Ronald Enoksen	New Bedford, MA
32	6/11/07	Phillip Michaud	Wellfleet, MA
33	6/11/07	Heinz J. Mueller	Atlanta, GA
34	6/11/07	William D. Delahunt	Washington, DC
35	6/11/07	Stanley C. Sargent	Milbridge, ME
36	5/30/07	Wallace A. Gray	Stonington, ME
37	6/5/07	Jimmy Hahn	Ocean City, MD

Woneta M. Cloutier

#1

From: Deirdre Boelke
Sent: Thursday, May 24, 2007 10:09 AM
To: Woneta M. Cloutier
Subject: [Fwd: ublic comment on federal register of 4/30/07 vol 72 #82 pg 21226]

----- Original Message -----

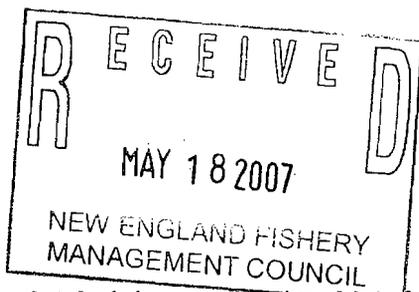
Subject: ublic comment on federal register of 4/30/07 vol 72 #82 pg 21226
Date: Mon, 30 Apr 2007 07:46:16 -0400 (EDT)
From: Bk1492@aol.com
To: Scallop.Eleven@noaa.gov, americanvoices@mail.house.gov,
comments@whitehouse.gov, vicepresident@whitehouse.gov

doc noaa id 042507A - new england fishery mgt council

cut all quotas by 50% this year. cut them each year thereafter by 10%.
stop catering on ly to commercial fish profiteers, and relying on the fake information they provide to you (it is
only done so they can continue raping the ocean).

the interests of our children are being severely compromised.
b. sachau
15 elm st
florham park nj 07932

See what's free at <http://www.aol.com>.



#2

Donald A. Williams III
58 Granite Point Drive
Owls Head, ME 04854

Patricia Kurkul, Regional Administrator, National Marine Fisheries Service
Northeast Regional Office
1 Blackburn Drive
Gloucester, MA 01930

cc Maine Senator Olympia Snowe
cc Maine Senator Susan Collins
cc Maine Congressman Tom Allen
cc Maine Congressman Mike Michaud
cc Terry Stockwell, Maine Department of Marine Resources

Tuesday, May 15, 2007

Comments on Scallop Amendment 11

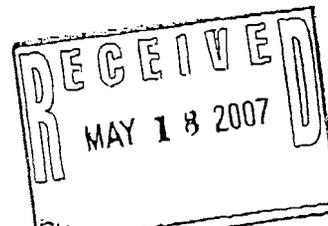
Dear Ms. Kurkul,

I am writing in response to pending action on the New England Fishery Management Council (NEFMC) concerning Scallop Amendment 11, specifically pending changes to the allocation of the General Category fishery.

I am a commercial fisherman from a small town in Maine. I have a state lobster license as well as a Federal Area 1 lobster permit and currently I also have a General Category 1B, 400lb VMS scallop permit. After fishing through high school in a small skiff, I went to college and after graduation, I financed my first full-time fishing boat to go lobstering. After three years, I was able to pay this boat off, and last spring I had a new boat built. My intent was to fish for lobsters, both inshore and offshore, and to go scalloping in the winter/spring. To this end, when I financed my new boat, I also included equipment to go scalloping- dredge, winches, etc. I applied for a 400lb permit and also invested in a Boatracs VMS unit. Since this time, I have not yet been scalloping with the permit, due to the uncertainty of its future. I have however, complied with all reporting requirements and have kept my VMS active while awaiting final ruling on the General Category issue. Recently I was just re-issued my permits for 2007.

My concerns currently are that implementation of new rules for the General Category fishery within Amendment 11 will shut me out of the fishery. I do not qualify under any of the proposals the council has put forth in the final draft, other than the no action alternative; I was issued a license after the control date of November 1, 2004. Therefore, depending on when the rules are finally enacted, a license I already possess will be taken from me due to an arbitrary date established by NEFMC.

I believe that this is completely unfair and these are my reasons. The scallop fishery has a long



history of small boats from Maine. Before there was ever limited access and general category fishing, boats and men from Maine sailed all over the East Coast in search of scallops to feed their families. My father did so when he was my age, and his father before him lost his life on a scallop boat when they towed up a mine from World War II and it exploded, killing nearly all on board. Regulations have changed the industry. It no longer is the traditional small boat fishery of my father's time. What has not changed however is the need for people such as me to have alternatives in the fishing industry. As more and more species come under federal regulation, it is nearly impossible to diversify and participate in other fisheries. It is hard for self-employed fisherman such as myself to not feel like the deck is stacked against us. We do not work for corporations or have multiple vessels to supplement our income. I have one boat and one very large payment that requires me to fish year round. I need this license to supplement the down time between lobstering seasons. My whole livelihood has been invested in the hopes of using this license, and now I am in fear of losing it.

I also take issue with some other comments and proposals being presented. There has been uproar within the limited access fishery over the total share that the general category fishery will receive each year. Proposals have ranged from 2-11% of the total allowable catch for a given year. Firstly, the amount of scallops that I am going to catch using this permit in a year will not even be close to what one boat on one trip in the limited access fishery can catch. They have a year-round focused effort in very large boats. I am trying to use this permit to scallop when I cannot go lobstering. These are two examples of completely different effort, and I believe this should be considered.

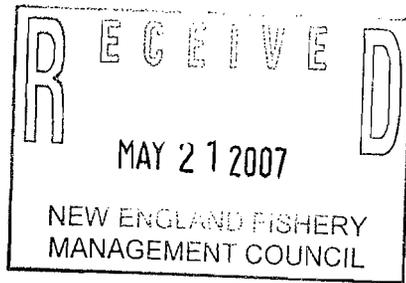
Secondly, in section 3.1.6 of Amendment 11 there are proposals to allow limited access boats to continue fishing under the general category license. It is unbelievable to me that the council is proposing to take my license and continue to allow boats who have already been issued limited access to also fish within the general category fishery. Once again, it seems on the surface that the council is more concerned with allowing limited access boat owners all they want at the expense of traditional small boat fisherman. How can the council take from the small boat fisherman and give to large boat limited access companies? Is there not a conflict if these boats can fish in the limited access fishery and as soon as their days are used up, switch to the 400lb general category fishery? Is this not an issue of allocation not conservation?

In conclusion, what I am asking of you is to allow me to keep a license that I already have. I am asking the New England Fishery Management Council to reconsider the criteria for eligibility. I am asking you to help preserve this traditional small boat fishery for me and others in my situation. While to the large scallop fleet owner in New Bedford, my wish to be included in this fishery may not seem important or even relevant, it is important to me. I have invested time, money, and my future in the hopes of participating in this fishery. I hope that this chance will not be taken from me. Thank you for your time.

Sincerely Yours,



Donald A. Williams III



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
NORTHEAST REGION
One Blackburn Drive
Gloucester, MA 01930-2298

#3

MAY 21 2007

John Pappalardo, Chairman
New England Fishery Management Council
50 Water Street
Newburyport, MA 01950

Dear John:

Staff in the Regional Office and Northeast Fishery Science Center (NEFSC) have completed their review of Draft Amendment 11 to the Atlantic Sea Scallop Fishery Management Plan (Amendment 11) and the Draft Environmental Impact Statement (DSEIS). Amendment 11 is a challenging undertaking to control capacity and mortality in the general category scallop fishery. Reviewers commended the New England Fishery Management Council (Council) and its staff for completing a very complex document that provides a comprehensive overview of the issues and impacts of Amendment 11.

I urge the Council, as it selects measures to be adopted for inclusion in Amendment 11, to make efforts to minimize the complexity of the amendment and to keep in mind that implementation of Amendment 11 will require effective and efficient monitoring and compliance measures. Also, as with any allocation, the Council must clearly articulate the rationale for its allocation decisions.

Limited access criteria

I urge the Council to consider the implications of adopting limited access qualification criteria that are overly liberal in qualifying vessels. There would be allocation implications of allowing a relatively large number of vessels to be active in the general category fishery. Liberal qualifications criteria penalize legitimate participants with a current dependence on the fishery. Historically, they have also led to the Council needing to take additional and often, more painful action in the future.

Accounting for incidental catch

Amendment 11 includes incidental catch alternatives allowing vessels to fish for scallops without qualifying for a scallop permit or allocation, or without any federal scallop permit (the "No Action" alternative). In addition, TAC alternatives allow vessels to continue to fish "under incidental rules" (i.e., for 40 lb of scallops) after the TAC is attained. However, there is no discussion in Amendment 11 of a mechanism to account for scallops that may be caught by such vessels. The Council must provide a description of how it will account for all scallop catch, and cannot leave any harvest unaccounted for in mortality estimates. Amendment 11 should specify that the Scallop Plan



cc: DB Council (5/23)

Development Team (PDT) would need to provide an estimate of incidental catch and resulting fishing mortality based on available information.

Gulf of Maine Management Area (GOM Area) Alternatives

The Council has chosen the GOM Area Limited Entry Program as a preferred alternative. As I noted during the Council discussion of Amendment 11 on April 12, 2007, the GOM Area alternatives are not sufficiently justified on the basis of conservation. The justification is largely based on the fact that the scallop resource in the area has been sporadic over time. However, one of the reasons that it has been sporadic is that it has been consistently overharvested. The proposed program essentially recommends perpetuating that trend by liberalizing the limited access qualification criteria and allowing a large number of vessels to fish on a small portion of the resource. Without the ability to monitor state waters fishing activity, the effectiveness of the federal management program in the Northern Gulf of Maine would be severely compromised. As my staff and I have repeated at numerous meetings, this measure must be consistent with conservation of the scallop resource. Currently, I do not believe that the justification and analysis of the measure support its inclusion in Amendment 11.

Measures to allow better and more timely integration of recent data

I strongly urge the Council to adopt a change in the fishing year for the scallop fishery. Without a change in the fishing year, the Council will need to continue to make decisions based on survey data that is not current. Moving the fishing year to May or August would provide timely scientific information for use in the Council's framework management process. The arguments against changing the fishing year have not been sufficiently articulated, even though the problem associated with the current fishing year and availability of survey information is clear. If the fishing year is not changed, the Council may have to use more caution than would otherwise be necessary in establishing management measures. It could also encourage complex and rigid adjustment mechanisms in frameworks (like the Elephant Trunk Access Area trip adjustment procedure included in Framework 18). Without a change in the fishing year, the Council and NOAA Fisheries Service can also expect repeated requests to modify measures every year. This fishery cannot be managed in a way that precludes deliberative consideration of annual measures and requires the Council and NOAA Fisheries Service to react to "urgent" situations.

Allocation in trips

Although the alternatives that allocate harvest in trips currently do not include broken trip provisions, I suspect that there will be support during public hearings for including a broken trip provision. A broken trip provision identical to that established for limited access vessels in access areas would result in a significant administration burden, and would be ineffective. As an example, the limited access broken trip provision occupies the majority of a full-time staff's time. In the 2007 fishing year alone, we have had 132 broken trip requests for the Elephant Trunk Access Area and 22 requests for the Hudson Canyon Access Area. The volume of broken trips increases substantially with bad weather. Each request requires verification of landings and manual entry of trip information. The volume of broken trips with general category trip allocations will be higher than access areas. While incentives for broken trips may be higher with the larger possession limits for limited access vessels in access

areas, we have been surprised that owners file broken trip forms for compensation trips that would allow less than 100 lb of scallops.

The Council could consider putting limitations on a general category broken trip provision. For example, under trip allocation alternatives, vessel owners could elect to fish under a 200-lb or 400-lb possession limit each fishing year, with the trip allocation specified accordingly.

Monitoring provisions

If the preferred alternative is adopted for allocating a portion of the overall scallop catch to the general category fleet, the general category fleet will only represent five percent of the total scallop fishery. A hard TAC may therefore be the best alternative in terms of ability to monitor and enforce the program. However, I recognize that an overall TAC presents management challenges including the potential for a derby fishery. This TAC could be divided by trimester to minimize the incentive to derby fish.

After further consideration of monitoring requirements, we do not believe that trip-by-trip reporting through the vessel monitoring system or interactive voice response system is necessary. NOAA Fisheries Service would be able to monitor the status of overall TACs using weekly dealer reports. Vessel owners and/or operators would be responsible for staying within their allocation under IFQ alternatives and would be subject to enforcement action if independent weekly dealer data showed that they landed more than their allocation.

Allocation of yellowtail flounder bycatch TAC in access areas

NOAA Fisheries Service cannot effectively monitor a yellowtail bycatch TAC specifically for the general category fleet because the yellowtail bycatch TAC for that portion of the fleet could be extremely small. For example, if the general category fleet is allocated 5 percent of the SNE yellowtail bycatch TAC, using 2007 TAC figures, it would be allocated roughly 2,300 lb of yellowtail (5 percent of the 20.8 mt yellowtail bycatch TAC). We could not administer such a TAC effectively. I therefore urge the Council to adopt 3.1.7.3.1 "No Action" for yellowtail flounder bycatch TACs.

Sectors and harvesting cooperatives

I urge the Council to adopt the sector and harvesting cooperatives alternative. It would enable industry groups to develop future proposals. This program is proving effective in the Northeast Multispecies FMP and adds a management mechanism to the Scallop FMP that could be very effective in the future.

Stacking of permits

The permit stacking discussion implies that only stacking of full permits is authorized, and only if the stacked permits will result in a total allocation less than the cap (i.e., 60,000 lb or 150 trips). The intent seems to be that stacking is permanent. The Council should clarify if this is their intent. If the Council intends to allow permanent stacking, it must specify whether or not limited access permit splitting rules apply to current limited access vessels that also qualify for a limited access general category scallop

permit.

Ownership Cap

The Council needs to specify how the 5 percent ownership cap is calculated. Is it the Council's intent that an individual can have an ownership interest in no more than 5 percent of permits or 5 percent of the allocation?

Measures to reduce incentive for limited entry qualifiers to fish for scallops with trawl gear

Alternative 3.1.2.6.4, which states "A limited access general category qualifier can fish with trawl gear, but scallops cannot be more than 5% of total regulated species onboard" is not enforceable. It is very difficult to assess the amount of fish and scallops as a percentage for at-sea or dock-side monitoring. The Office for Law Enforcement also noted that while it could enforce different possession limits (as proposed under Section 3.1.2.6.3) if vessels are issued a permit that specifies their allowance, different possession limits for different vessels would add to the enforcement burden. General category vessels that qualify to use trawl gear should be issued a permit for trawl gear, as is done for current limited access trawl vessels.

Also regarding qualifying to fish with trawl gear (Alternative 3.1.2.6.1), can a current owner who fishes with a trawl qualify for this permit if the scallop landings used for eligibility were harvested with a dredge by a prior owner? This needs to be clear.

Fleetwide Hard TACs

I am concerned about the proposal in several alternatives to use a five-year rolling average to calculate allocations for quarterly hard TACs given the nature of the fishery. It seems that unusual weather or other influences could affect landings (and therefore allocations) in subsequent years.

I hope that the Scallop Committee and Council will consider these comments at their meetings. Please do not hesitate to call me if you have any questions or concerns that you would like to discuss prior to further Committee and/or Council discussion on Amendment 11.

Sincerely,



Patricia A. Kurkul
Regional Administrator

cc: Paul Howard

Comments
#4

Deirdre Boelke

From: Scallop Comments [Scallop.Eleven@noaa.gov]
Sent: Tuesday, May 29, 2007 8:08 AM
To: Deirdre Boelke
Subject: [Fwd: "comments on scallop amendment 11"]

----- Original Message -----

Subject: "comments on scallop amendment 11"
Date: Sat, 26 May 2007 00:14:01 -0400 (EDT)
From: VOLCOMOXY22@aol.com
To: Scallop.Eleven@noaa.gov

My name is Kenneth Ochse I own and operate the Christian and Alexa. The official number is 937930. The Christian and Alexa has a fulltime limited access scallop permit. I own the vessel with my brother Arthur Ochse and it is the only vessel we own. We have both been scalloping fulltime since 1976. I have a few comments on amendment 11.

The question of should the general category be a limited entry? Yes it should ,because it has worked in the fulltime limited access fishery. Without all the regulations that came with limited access we would not be having this discussion because the scallop resource would not would have recovered where it could take the amount of effort we have seen in the past few years. The general category allocation should be set at the lowest possible percentage to insure that overfishing does not occur and the fishery becomes sustainable again. With reduced effort the resource would be rebuilt as it was before the big influx of boats. 2.5% of the tac would be a low enough number to achieve this.

To qualify for a general category permit the boats would have had to participate in the fishery before the control date and to have fished for scallops from March 1, 2003 to November 1, 2004 with at least 5000lbs of reported catch. These are the most restrictive dates and pounds but are needed to reduce effort and not greatly impact the boats that have historically targeted scallops in the general category. Also allocation should be kept to a maximum of 400 pounds per trip so as not to increase effort. By allowing more pounds this would keep the vessels on the grounds for longer periods of time which the fishery does not need..

Stacking of days or pounds on to one vessel would also increase effort and should never be allowed. One boat,one permit. It has worked for the limited access boats.

To answer the question of should the limited access vessels be allowed to possess a general category permit I will say without hesitation that they should as long as they meet the qualifications. I don't agree with the preferred alternative to qualify. I think the most restrictive measure would have the most positive effect on the overall fishery by greatly limiting the effort and insuring that the fishery remains sustainable for all that participate.

See what's free at AOL.com <<http://www.aol.com?ncid=AOLAOF00020000000503>>.



Comment
#5

ASSOCIATED FISHERIES OF MAINE

PO Box 287, South Berwick, ME 03908

207-384-4854

May 28, 2007

Ms. Patricia Kurkul, Regional Administrator
National Marine Fisheries Service
One Blackburn Drive
Gloucester, MA 01930

Comments on Scallop Amendment 11

Dear Pat:

Members of Associated Fisheries of Maine (AFM) participate in the general category scallop fishery in three distinct ways: 1) a directed fishery that comprises 100% of vessel income, 2) seasonal directed fishery as an adjunct to other limited access fisheries, and 3) bycatch in the limited access groundfish fishery

3.1.7 - Allocation between limited access and general category fisheries

For the purposes of comment, AFM takes decision 3.1.7 "out of order" (in terms of its position in the SEIS) because this allocation decision is critically linked to so many other Amendment 11 decisions.

The public hearing document describes the importance of the allocation decision in this way: "Ideally this percentage would provide enough landings to be spread among various general category vessels that participate in this fishery at a variety of levels without having substantial impacts on the existing limited access fishery."

However, that "ideal" outcome is linked to several subsequent decisions, including:

- Whether or not current limited access permit holders may qualify for a new limited access general category scallop permit (3.1.6.1), and whether or not this allocation will include the future landings by these "dual" permit holders
- Whether or not this allocation will include future landings by vessels that qualify for a new limited access incidental catch permits (3.1.8)
- Number of vessels that ultimately qualify for a new general category limited access scallop permits (3.1.2.1)

If the percentage of harvest allocation includes all future landings in the general category scallop fishery by limited access general category permit holders (as defined by the Committee's preferred alternative), landings by current limited access permit holders who become dual permit holders, and landings from incidental catch permit holders, then 5% will undoubtedly be less than "ideal", and the percentage allocation should be increased to accommodate those decisions.

Comments on scallop amendment 11
May 28, 2007

3.1.2.1 Qualification criteria alternatives (for limited access general category permit)

The preferred alternative results in an estimated 459 initial qualifiers (Table 2, public hearing document), and history of limited access programs in New England suggests that this estimate will ultimately equal or exceed 500 actual qualifiers after all appeals have been exhausted.

It is clear from debate on this decision to date, that the eleven year qualifying time frame and the 1000 lb landings criteria are each supported by separate rationale, and further, the supporters of each will not be swayed, even though the combination of these two components will likely result in more qualifiers than can be ideally supported by a harvest allocation of 5%. *Therefore, if the preferred alternative is adopted, it is essential to increase the percentage of allocation harvest for qualifiers beyond the proposed 5%, so that those qualifiers most dependent on the resource are able to remain economically viable.*

3.1.2.4 Allocation of access for general category limited access qualifiers

AFM supports 3.1.2.4.1 Individual allocation for all qualifiers (Option A) – allocation in pounds.

AFM concurs with the statement in the public hearing document (page 9) that “individual allocation is the fairest strategy”. AFM, however, supports allocation in pounds, rather than trips. Allocation in pounds will allow each permit holder to manage his allocation in the safest and most economical manner. Allocation in trips raises significant safety considerations. Allocation in trips, as will be explained later, also creates a dilemma for vessels that may qualify for a limited access incidental catch permit.

AFM strongly supports allocations made on an individual basis, as opposed to “equal” basis, whether in pounds or trips.

3.1.2.4.5 and 3.1.2.4.6

AFM strongly opposes a quarterly or fleet wide hard TAC for the general category harvest, without individual allocations or other restrictions to control the hard TAC.

3.1.2.5.4 Stacking of Permits

AFM supports 3.1.2.5.4.3 Allow stacking up to 60,000 pounds or 150 trips per vessel.

If, for whatever reason, none of the “permit stacking options” are forwarded with this Amendment, AFM requests that options to allow vessels to consolidate or lease allocations of pounds or trips be added to the list of items suitable for future framework action.

Comments on scallop amendment 11
May 28, 2007

3.1.2.7 Sectors and Harvesting Cooperatives

AFM supports establishment of a process, in Amendment 11, to allow general category limited access permit holders to form sectors and/or harvesting cooperatives.

AFM does NOT support 3.1.2.7.2.9.1 - 20% maximum allocation per sector. A 20% limitation on allocation has no useful purpose and simply restricts the number of members within a sector.

Further the regulations that govern the formation of sectors in the multispecies plan, now allow for the Council to approve allocations in excess of 20% (see 648.87 (b)(ii) "A Sector shall be allocated no more than 20 percent of a stock's TAC, unless otherwise authorized by the Council.")

3.1.2.8 Interim measures for transition period to limited entry

*AFM supports 3.1.2.8.2 Transition to limited entry alternative **without** a hard-TAC.*

Imposition of a hard TAC on the general category fleet, without measures to control the harvest, will result in a derby-style fishery with consequent negative results in terms of safety and economic return.

3.1.3 - Establish a Northern Gulf of Maine Scallop Management Area (NGOM)

AFM supports 3.1.4.2, Option A- Amendment 11 would not apply to the Northern Gulf of Maine (the GOM exemption area north of 42°20N). Of the two options, option A more closely corresponds with the "historic" general category exemption area established in multispecies framework adjustment #21.

AFM strongly opposes Option B -the area north of 43° does not correspond well with the exemption area established in multispecies framework adjustment #21, nor does it correspond well with the historic availability of the scallop resource in the Gulf of Maine. Therefore, Option B is not worth efforts required to implement and monitor a separate management area.

3.1.6 Limited access fishing under general category rules

AFM supports 3.1.6.1.2 Permit limited access vessels that qualify under general category rules.

AFM supports 3.1.6.2.2 Landings from this component of the fishery would be deducted from a separate allocation added onto the general category allocation.

Comments on scallop amendment 11
May 28, 2007

3.1.8 Incidental catch

AFM supports 3.1.8.2 - Establish a new permit category for incidental catch.

This option will minimize discards by allowing a small amount of incidental catch in other fisheries to continue.

However, this section does not adequately address historic incidental catch in excess of 40 lbs/trip.

For example, some groundfish permit holders have historic incidental catch and landings of scallops in excess of 40 lbs, as current regulations allow up to 400 lbs per trip. Many of these permit holders will meet both the qualification time period and landings qualification defined by the Committee as preferred. However, they will not be able to continue landing in excess of 40 lbs/trip if the Council chooses 3.1.2.4.1, option B - allocation in trips, because these are groundfish vessels that would not be declaring scallop trips.

3.3.1 Trawl gear restriction

AFM supports option 3.3.1.2 Clarification of trawl gear restriction for vessels fishing under a multispecies or monkfish DAS.

3.3.2 Possession limit of 50 bushels

AFM supports 3.3.2.2 Possession limit of 50 bushels shoreward of the VMS demarcation line and up to 100 bushels seaward of that line.

AFM suggests that the possession limit for bushels would be easiest to enforce if the possession limit in all areas were made consistent. By way of example, limited access and general category permit holders that today fish south of 42°20'N are restricted to the 50-bushel cap when the vessel is **shoreward** of the demarcation line [648.52 (d)]. Removing the reference to 42°20'N, would make this restriction consistent for all areas, and solve the problem identified, which is that 50 bushels of in-shell scallops is not always equivalent to 400 pounds of scallop meat.

As always, we appreciate your consideration of our views.

Sincerely,

M. Raymond

Maggie Raymond
Associated Fisheries of Maine

Deirdre Boelke

From: GilbertGCDEAN@aol.com
Sent: Wednesday, May 30, 2007 8:55 AM
To: Scallop.Eleven@noaa.gov
Cc: Deirdre Boelke
Subject: Comments on Scallop Amendment 11

My name is Gilbert C. Dean. I own and operate a general category scallop vessel "Gold Digger", federal permit #150158 out of Ocean City, MD. I fully understand what you are trying to do and why with Amendment 11. Believe me that "most all" of us want to protect the fishery and do the right things to preserve it for years to come. However, some of the things that are recommended within Amendment 11 are unnecessary, unfair and possibly illegal. Here are a couple of reasons why.

1. Control date of November 2006. In Feb/March of 2006, I wanted to get into the scallop business. Having heard all of the "rumors" about the possibility of the fishery being closed, I personally called the NMF with my concerns. I wanted to be assured that before I invested in excess of \$350,000 for a new boat and gear that I was not going to be closed out anytime soon. I was given that assurance and told that they knew of nothing being considered that I should worry about and issued me a permit in May 2006.

I should have at least been advised of the proposals included in Amendment 11 and really should not have been issued a permit without such a warning to the effect. To my knowledge, you are still issuing permits to anyone who applies.

According to your records, there were 699 permits issued after the proposed control date. Out of the 699, only 119 are actually being used. Those 119 should be included into your proposed limited entry fishery. Those 119 general category boats are not going to have hardly any effect on the overall catch or adversely effect your overall plan.

This would satisfy all current permit holders with history and avoid any possible lawsuits that may arise based on this particular issue.

2. Proposed 5% share for general category vessels. The general category vessels caught between 12 and 14% in 2005 and 2006. That level should at least be maintained for the general category vessels in the future to be fair to all user groups.

3. Current Limited Entry Vessels should not be allowed to fish on general category permits. You have already proposed giving them 95% which is not only unfair but ridicules.

4. Board Members. If there are any members on the board from any one user group, there should be an equal number of board members from the other user group providing equal representation. If this cannot be done, then no one on the board should have any affiliation to any particular user group.

As stated above, I have invested in excess of \$350,000 getting into this fishery not even 13 months ago based on the information provided by you and the issuing of the permit. Scallop fishing is my sole source of income. How am I supposed to make a living now? How am I supposed to pay off the balance owed on the loans secured to get into this fishery? What am I supposed to do with a scallop boat will definitely decrease in value should Amendment 11 go through as proposed?

You should change it to a limited entry, protect the ones that you have already issued permits, base your TAC on those numbers, move your control date to say June 1, 2006 and stop issuing additional permits immediately.

Regards,

Captain G.C. Dean

6/4/2007

6311 Suicide Bridge Road
Hurlock, MD 21643
410-943-1707
410-463-0049

See what's free at AOL.com.

Comment #7



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
NORTHEAST REGION
One Blackburn Drive
Gloucester, MA 01930-2298

MAY 18 2006

- handed out at public hearing 5/30/07 -

Edmund Blaine
30 Foxborough Rd
Seaville, NJ 08230

Dear Mr. Blaine:

This letter is in response to the concerns you expressed in your letter regarding the requirements that are associated with the November 1, 2004, control date for the general category scallop permit. Currently the New England Fishery Management Council (Council) is working on Amendment 11 to Scallop Fishery Management Plan which proposes to make the open access general category fishery a limited access fishery. The proposed criteria to be used to qualify vessels for the limited access permit are still being developed by the Scallop Committee and the Council. I suggest you inform the Council of your special circumstances, as it further develops Amendment 11. It is important that the Council be aware of special circumstances as it develops new programs, so that there can be discussion and consideration of how they should be handled.

Sincerely,

George H. Darcy
Assistant Regional Administrator
for Sustainable Fisheries



July 31, 2006

To: New England Fishery Management Council
50 Water Street
Newburyport, Massachusetts 01950

Edmund Blaine
30 Foxborough Road
Seaville, NJ 08230

Re: General Category Scallop Permit/ Special Circumstance

Before Amendment 11 is finalized, I would like to address the council with my special circumstances as follows: I began searching for a bigger and safer vessel in June, 2004 in Nova Scotia. This vessel was specifically purchased for scalloping. On Sept 14, 2004, I spoke with Peter Christopher regarding a general category scallop permit for this new boat. He told me there was no control date as of that date and there was no projected date in the near future. He sent me an application and advised me to send it in when I obtain all needed documentation after settlement on my new boat. It took a substantial amount of time to get the paper work from Canada. The sequence of events happened as follows:

PURCHASE DATE OF VESSEL---9/20/04

DATE OF ENTRY INTO THE U.S.---9/24/04

CERTIFICATE OF TITLE ISSUE DATE---10/22/04

FEDERAL FISHERIES PERMIT ISSUED GENERAL CATEGORY SCALLOP PERMIT---
12/03/04

ALL DOCUMENTATION IS AVAILABLE IF NECESSARY.

Enclosed, you will find a copy of a letter I received from George Darcy. He is an Assistant Regional Administrator for Sustainable Fisheries and has advised me to provide you this information so you can act accordingly when working on Amendment 11. I have invested a significant amount of money in the vessel, the gear and the Vessel Monitoring System and hope that you will take my situation into consideration when implementing the regulations of this fishery. Thank you very much for your time.

Sincerely,

Edmund Blaine
F/V Laura Marie

**Draft Amendment 11
to the Scallop Fishery Management Plan
DMR Public Hearing
May 22, 2007
Casco Bay Lines
Portland, Me**

Public Attendees: Rick Cullow, Bob Tetrault, Donald Williams and Gary Hatch. Terry Stockwell, Kohl Kanwit and Donna Hall from the Department of Marine Resources.

Terry Stockwell presented the Amendment 11 Public Hearing PowerPoint prepared by the NEFMC and explained the proposed measures that concern Maine General Category scallopers which include:

- a limited entry program with specific qualification criteria (permit in at least one year from March 1, 1994 – November 1, 2004 and at least 1000 pounds of scallop landings in any one of those years)
- individual allocation of access for qualifying vessels in number of trips with a maximum of 400 pounds per trip
- a separate limited entry program for vessels to fish at a reduced level in the Northern Gulf of Maine
- an overall allocation of 5 % of the total projected annual scallop catch for the general category fishery

Public Comments:

R. Cullow – I think anyone who had landings and had a permit should be able to have one, anyone with idle permits should not. I don't have a permit anymore, the boat is still there but I don't have the permit. Somehow there needs to be a way to be grandfathered if you were issued permit in 2007 they should be able to get a permit.

B. Tetrault – I never had bi-catch of 1000 lbs, it was always under, but I have landings but I cannot show 1000 lbs.

G. Hatch – We are not going to get any qualifying criteria, if we were not going to look at the way the fishery should be managed. We are only left with being hard-nosed. We'll manage this but like a small boat fishery, we'll say no the big boats, they are not going to come back like they did 20 years ago and wipe this out. We're just taking the history and throwing it out.

B. Tetrault - This State had an active fishery and was managing it; this sounds like protection for certain group.

R. Cullow - Why are you still issuing licenses, the control date should be out the window, it should go on if you were issued a 2007 license you should be allowed to continue being issued a license, this doesn't add up, if you give the license, land the scallops, they shouldn't be allowed to take away.

D. Williams - Where did that date come from? What are the other alternatives? I built boat, invested all this money and I've asked questions for 2 years and no one could give me any answers. Some people say there is nothing we can do, where do I stand on this matter? They just issued me a federal permit, I can't believe they can just take it away, just because of a date, how can they do this? Have they worked out transfer of permits? This is part of my families' heritage, it's unbelievable that the feds can come in and take it all away. What I want is to have my 400 lb permit and not lose it, have they thought about the impact of what can happen down the road?

B. Tetrault - Why are they differentiating, don't the habitat people get to chime in on that? Why should you shut the door on certain people?

R. Cullow -- We're losing out on every permit that we've ever had, your taking that much away and it will keep another 100 families out, the big boats are not up around here anymore.

D. Williams - It doesn't look like conservation, it looks like allocation instead, what I'm going to catch in a year is a drop in the bucket as to what the big boats are catching. You have to know I have an interest in this, but what am I going to do, the State has to take in to consideration there are going to be more people, have they figured out the transfer or the buy out.

B. Tetrault - We need to add unique history to this document, I'm trying to help you at being successful at getting this thing. This looks like a political solution, didn't we just get rid of this small mesh line, we spent years getting rid of it, why do we want it back, why are we inviting it back?

G. Hatch - We have to fight for Gulf of Maine, this is like trying to outrun a steamroller- think about the majority voters on this council, this is no more than a majority of big fisherman that want to buy permits up...this is perfect of our government at it's best, every time it gets more and more, they are managing 5% of the industry, it's got so thick we can't manage it, we have to say NO, this has nothing to do about managing the fishery it's all about money.

D. Williams - It's hard not to see it that way, they just want to take away from the little guy, this is important to me, and this is nothing that I would prefer.

R. Cullow - I just invested 50K in a boat, there has to be something for people who had a 2007 permit.

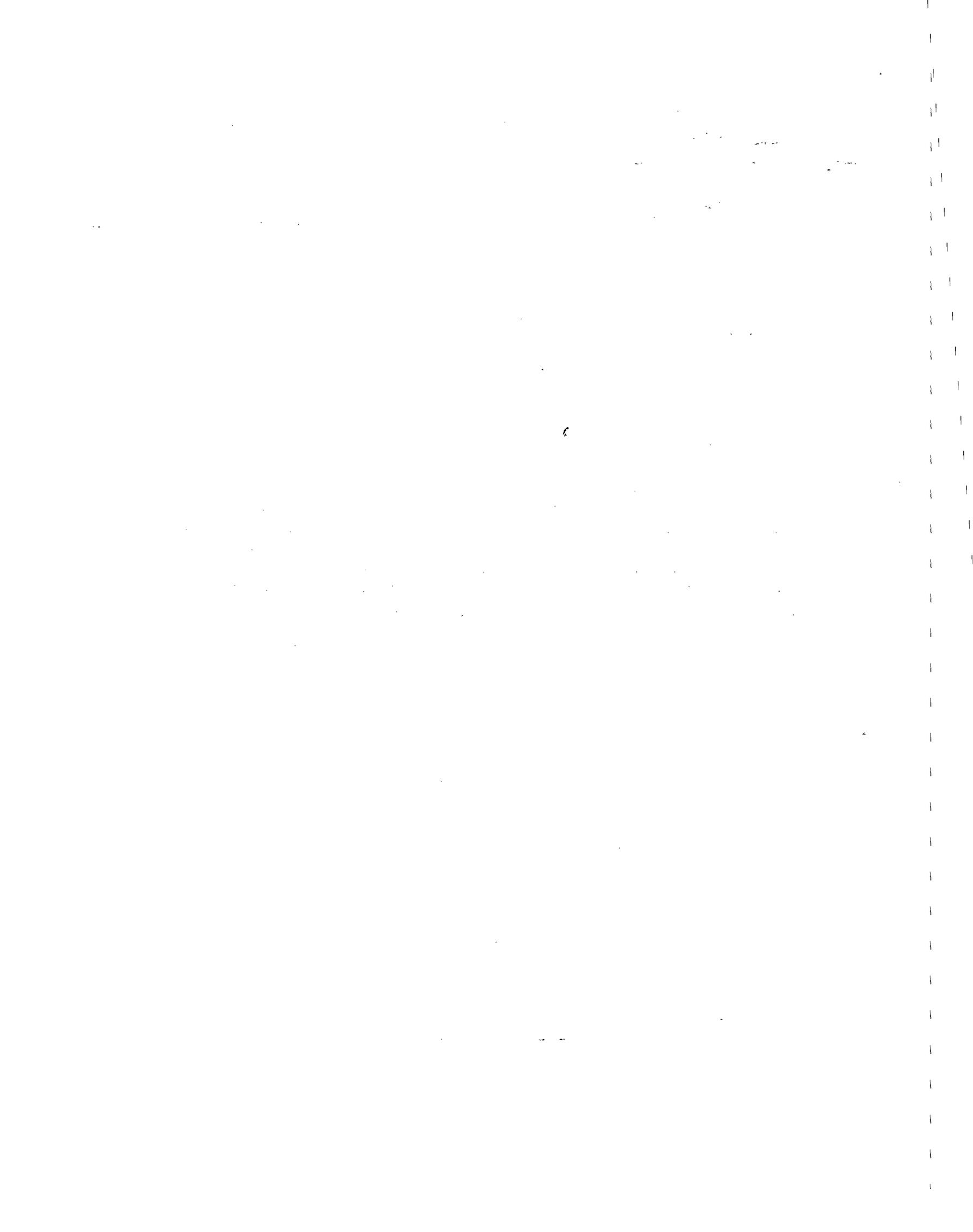
B. Tetrault -I would work on that 1994 thing, we can't just walk in to the wall, and I have records that go back to 1983. Do you want us at the next meeting? There is too many Mainers' that will be eliminated and it shouldn't be that way. We're just looking for a bi-catch. 1994 cuts off too many people, it won't add anything to landings.

G. Hatch -That's what got the limited access guys going.

D. Williams – When you think of all other factors, the number of people that actually have permits to those that used them, if they are allocating 5% to general category or even a smaller amount going to the small guy, why is it us that has to take the sacrifice, there needs to be more enforcement out there.

B. Tetrault – If you go back to 1975 the boats came up for New Bedford to fish here. We are humble and weak.

G. Hatch -We are setting ourselves up the same way as the quahogs if you look at this chart. Gov. Brennan got it back for the downeast guys. The driving force to this is money; limited access is worth 2.5 million and they are saying they will spend the money to get what they want. This is the end of us, this is completely bull and we need to be brave or stupid. We publicly need to go and change the process, this is total failure of the process, what are you going to qualify, 14-15 people in this State, those are the real numbers. We need to get as many signatures as we can get.

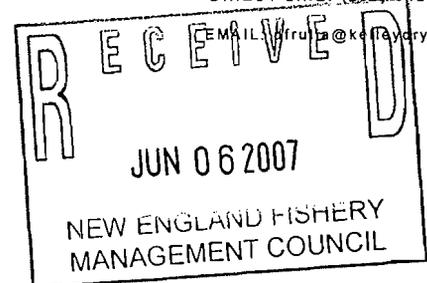


comment
#9

KELLEY DRYE
COLLIER SHANNON

DIRECT LINE: (202) 342-8648

EMAIL: fruba@kelleydrye.com



June 4, 2007

VIA ELECTRONIC MAIL

Mr. David G. Simpson, Chairman
Scallop Oversight Committee
New England Fishery Management Council
50 Water Street, Mill 2
Newburyport, MA 01950

Re: Amendment 11 to the Sea Scallop Fishery Management Plan

Dear Mr. Simpson:

As you know, we represent the Fisheries Survival Fund ("FSF"). FSF's participants include the bulk of the full-time, Limited Access scallop fleet. FSF's participants have been involved in Amendment 11's development, while recognizing that General Category participants also have an interest in designing a limited access scheme that matches their diverse fishery.

FSF submits this letter for the Scallop Committee's consideration in advance of its June 6 meeting to select final Amendment 11 alternatives for the Council's consideration. FSF will also provide a fuller set of comments by the June 11 deadline. Now that the public hearing process is over, many of the issues confronting the Committee have come into better focus, based on the public hearings and the analyses in the Public Hearing Document ("PHD").

FSF participants attended four of the public hearings (Hyannis, Fairhaven, Newport News, and Manahawkin), and their attendance exceeded that of the General Category participants, at all but perhaps the Hyannis hearing (where the respective contingents were relatively equal). In summary, and as explained below, FSF submits that the Council should allocate no more than five percent of the overall resource to the General Category (a point with which certain General Category participants agreed), but the Scallop Committee and Council should take steps to more effectively distribute that share using Amendment 11 options. The episodic nature of the General Category also argues against a 10% allocation during the transition to the Amendment 11 limited access program, though some lower cap is necessary.

Executive Summary

The PHD Amendment 11 Vision Statement summary states, among others, "Amendment 11's overall intent is to ... maintain the diverse nature and flexibility within this component of the scallop fleet, and preserve the ability for vessels to participate at various levels. The Councils' vision for the general category fishery ... is a fleet made up of relatively small vessels, with possession limits to maintain the historical character of this fleet and provide opportunities to various participants including vessels from smaller coastal communities." PHD, at 1.

As is explained herein, the Vision Statement can be realized with a five percent allocation, and other long-term problems (such as latent effort and disproportionate shares) can be avoided. Such a five percent share may be most effectively divided among General Category qualifiers under the Vision Statement if: (1) the control date is maintained; (2) directed day boat scallopers landing over 5,000 pounds in their best year are provided with allocations of 400-pound trips; (3) a "contribution factor" should be used to recognize multi-year participation during the qualifying period (Alternative 3.1.2.3); (4) General Category fishery qualifiers landing between 1,000-4,999 pounds in their best year (most likely these are incidental catches) are provided with 200-pound trips under Alternative 3.1.2.4.2; (5) General Category qualifiers directing on scallops with a net should have a reduced possession limit of 250 or 300 pounds so as to equalize mortality in recognition that scallop trawls demonstrably catch smaller scallops (Alternatives 3.1.2.6.3.1; 3.1.2.6.3.2); (6) General Category dredge qualifiers should only be able to scallop with a dredge (Alternative 3.1.2.6.2); (7) the Consistency Amendment should be maintained and only one permit should qualify per vessel (Alternative 3.1.2.5.1.1); (8) illegal and unrecorded landings should not count toward qualifications or allocations; and (9) a Northern Gulf of Maine exemption area makes far more sense for that very episodic fishery than an additional overall allocation of scallops, especially in terms of not creating latent effort.

The Public Hearings

One surprising result was that many of the public hearings were lightly attended by General Category participants. In fact, at Durham, there were no General Category participants in the audience. In Newport News, about ten General Category fishermen attended, but their landings history uniformly post-dated the control date, and they argued for a forward extension of the qualifying period. By contrast, in Ellsworth, the large majority (if not virtually all) of the public hearing participants had not landed scallops during the qualifying period, but prior to it.

For its part, the final public hearing in Manahawkin was attended by over twenty participants of the FSF and only a few members of the General Category fishery. Notably, all the General Category fishermen who testified declared that a five percent allocation was sufficient. In general, the General Category fishermen at the Manahawkin hearing were more concerned with creating stricter qualification criteria for the Limited Access fleet.

The public hearings did reveal that there are some essentially full-time General Category participants from New England. About a dozen of them attended the Hyannis public hearing, and some of those present at Hyannis (along with a few others) also participated at Fairhaven. This contingent has been very active in Amendment 11's development.

An Episodic Fishery Should Not Receive a Disproportionate Overall Allocation

The public hearing materials show that the Scallop Committee and Council will need to be careful about acceding to a vocal minority's demand for individual allocations, coupled with an historically disproportionate share of the overall resource. FSF considers any more than the 5% share that the non-Limited Access General Category landed in the control date year of 2004, *see* PHD Table 1, to be disproportionate.¹

As explained above, a handful of day boat scallopers that claim to operate essentially full-time were present at the Hyannis and Fairhaven public hearings. Notably, this contingent is not a large group overall: according to the Public Hearing Document, only 37 General Category participants landed over 20,000 pounds of scallops in 2004, the year of the control date. This number of "high liners" was 23 in 2003, only 9 in 2002, and 19 in 2001. (PHD Table 7.)

Nonetheless, certain participants in this modestly-sized directed day boat fishery contingent from New England have been steering the Amendment 11 process toward individual allocations, apparently so that they can maximize their personal shares.² These fishermen have made it clear they do not want to get grouped into tiers where their relative shares might be averaged with others having less history. Their approach may be understandable from their perspective (although some of their personal attacks on the Limited Access fleet aren't).

¹ An allocation of even seven percent bears no relation whatsoever to the historic General Category fishery, and would be fundamentally unfair and wasteful (as the allocation would go unharvested in this demonstrably episodic fishery). Indeed, even a five percent allocation is generous. During the Council's preferred qualifying period, 1994-2004, General Category landings (by Amendment 11 qualifiers and non-qualifiers alike) averaged under two percent of overall harvest. (PHD Table 1.) The Council's preferred alternative of five percent thus represents a 255% increase over average landings in the qualifying period. An allocation above five percent represents an even greater windfall and would credit overfishing by the post-control date fleet to the historical General Category fleet. Such a result is not only unjustifiable as a matter of policy, but defeats the purpose of establishing the control date in the first place.

² In that vein, claims were made at the public hearing in Fairhaven that the General Category needs an average of 4.0 million pounds to be "satisfied." An allocation at that level would provide every qualifier with virtually his or her best year as a dedicated allocation, notwithstanding the episodic nature of most of the General Category fishery. (*See* PHD Table 11, which reports "total best year landings" for preferred option qualifiers as 4,187,916 pounds.)

In contrast to this handful of “full-time” day boat scallopers, the Public Hearing Document demonstrates that most General Category participants fish only episodically. In fact, of the 459 estimated qualifiers, only 234 (or roughly half) of the qualifiers had any recorded scallop landings at all in 2005, the year after the control date. (PHD Table 11.)

If the preferred alternative of individual allocations is chosen, then there is a strong likelihood that up to half of the general category quota could go unused. This would be a huge loss of sustainable scallop yield—yield that the Limited Access fleet would fish each year, because scallops are their fishery, and dependently so, ever since Amendment 4. In fact, the Scallop Committee and Council will need to be careful not to end up creating the same kind of latent effort that plagues the groundfish fishery, via significant, permanent, individualized allocations of scallops to vessels that will not regularly harvest them.

The potential for such latent effort from a disproportionate overall allocation is even more manifest when potential Maine qualifiers are considered. According to the Public Hearing Document, 130 Maine vessels would qualify under 11-year timeframe, but only about half that number, or 70, would qualify under a 5-year period. Put differently, 60 projected Maine qualifiers under the preferred alternatives have not landed even 1,000 pounds of scallops in any qualifying year since 1999, but they would get a dedicated, individual allocation of scallops under the Council’s preferred alternatives. (PHD Table 13.)

In addition, Amendment 11 would already fundamentally reallocate the General Category fishery back to New England, to the benefit of these participants on the Cape and in Maine seeking a disproportionate overall allocation. In recent years, about 70% of General Category landings have come from the Mid-Atlantic (PHD Table 10), but only 149 of the estimated 459 qualifying permits (or about 32% overall) under the Council’s preferred alternatives are from the Mid-Atlantic.³ (PHD Table 13.) It is not clear whether Amendment 11 will result in a major increase in effort in inshore New England fishing grounds or a cash transfer program as/if allocations are sold or leased.

Gulf of Maine

The Ellsworth public hearing showed just how real that Amendment 11’s potential to create latent effort really is. There, most attendees were self-described lobstermen who advocated for the no-action alternative. The rationale was that none would qualify under even the most lenient criteria because most (if not all) had not landed any scallops since the 1980s. However, they wished to retain an option to re-enter the fishery in the future, via a large dedicated allocation of scallops to the General Category. They did not (and cannot) explain why the Council’s preferred alternative to create a Northern Gulf of Maine exemption area would not

³ Of this number, 88 are from New York and New Jersey, and 61 are from other Mid-Atlantic states. (PHD Table 13.) Of the 310 projected New England qualifiers, 130 are from Maine, 168 are from Massachusetts and New Hampshire, and only 12 are from Connecticut and Rhode Island. (PHD Table 13.)

suit their episodic fishery better than their receipt, via Amendment 11, of a large dedicated allocation of the overall scallop harvest they would rarely take (but might sell or lease as a windfall).

Recognizing Incidental Catch By Qualifiers

Another contingent of General Category participants largely went unrepresented at the public hearings. According to the Public Hearing Document, about half of those recording General Category landings in the years when the statistics were available landed between 1,000 and 4,999 pounds of scallops in their best year. Indeed, a full 256 of the 459 projected qualifiers landed between 1,000 and 4,999 pounds of scallops in their best year. (PHD Table 2, derived by subtracting the number of 5,000 pound qualifiers from the number of 1,000 pound qualifiers). This proportion applies year over year, as well.⁴ It appears that many of these General Category participants landed scallops incidentally, in other directed fishing operations. A non-transferable allocation, in line with Option 3.1.2.4.2, that enabled them to land 200 pounds of scallops per trip as incidental landings would make a better use of these qualifiers' allocable shares under Amendment 11 than directed 400 pound day boat trip allocations. Such an approach is also more in line with the Vision Statement.

* * *

We appreciate your taking the time to review our comments. FSF believes the Committee has the ability to lead the scallop fishery towards a successful future with Amendment 11.

Sincerely,



David E. Frulla
Shaun M. Gehan
Andrew Minkiewicz

Counsel for Fisheries Survival Fund

⁴ In 2004, 114 vessels landed over 5,000 pounds, and 109 vessels landed between 1,000 and 4,999 pounds. In 2003, 71 vessels landed over 5,000 pounds, while 58 landed between 1,000 and 4,999 pounds. In 2002, 55 vessels landed over 5,000 pounds, while 72 landed between 1,000 and 4,999 pounds. In 2001, 60 vessels landed over 5,000 pounds, while 45 landed between 1,000 and 4,999 pounds. (PHD Table 7.)

Comment
#10

June 4, 2007

David Tedford
104 Bentons Pleasure Road
Chester, Md 21619
410-310-8767

U.S. Congressman Wayne Gilchrest

Dear Sir:

My name is David Tedford and I am 49 years old. For the last 30 years, I have worked on the water commercial fishing, oystering, crabbing, clamming, hard shell clamming, soft shell clamming, patent tonging for oysters, diving for oysters, and hand tonging for oysters. I am a fourth generation waterman; my great great grandfather worked on the water, my grandfather, my father, and now myself. I have primarily worked in the Chesapeake Bay and its surrounding waters, but due to the digression of the shellfish business and harsh restriction laws for Commercial Waterman in the Bay, I have recently begun to work in the Atlantic Ocean. Presently, and since November of 2005, I am catching scallops in the Atlantic. I have a General Category Permit granting me the right to catch 400 pounds of scallops per trip. I like this job, it's a lot of fun, and it is still a viable way of making a living working on the water, which I have always enjoyed.

It seems to be that my rights as far as working the water have been taken away. I used to hard shell clam in the Coastal Bays off the shores of Ocean City, and in the last year, a law to stop clamming in 2008 was legislated. My right as a permitted Commercial Clammer has been taken away with the inability to hard shell clam in the back bays, in Chincoteague Bay, and Isle of Right. This is just one way that our government has taken away my right to make an honest living. And as if this law was not enough, the New England Fisheries Management Council has now proposed Amendment 11 to the Scallop Fishery Management Plan (FMP) that, if passed, will refuse me the right to scallop simply because I was licensed after 2004- the "control date" for scalloping licensure. The Council may be denying me the right to renew my permit when it expires in March of 2008. The elementary fact that I have been working the water for my whole life is not considered relevant simply because I attained my scalloping license in 2005, not 2004.

What is being proposed is quite unfathomable. I will be able to work one day, and denied that function of survival the next. After having commercial fished for the last 30 years, not just as a job, but as a traditional way of life, it is an abomination that this governmental agency in this Land of Freedom and Opportunity is denying my family's income! I have income tax records to prove the fact that I have been in this profession for 30 years. I have been paying taxes on commercial fishing for the duration of that time and this law will restrict me from my family's way of life. The most ironic and disheartening fact about this bill, is that if some person who had never worked a day on the water in his life, bought a boat, obtained a permit, and went scalloping before the year

2004, worked for a couple of years, and left the industry would be eligible to reinstate their scalloping license because of their history- but not me, a life-long Commercial Waterman. When I obtained my permit from the National Marine Fisheries, no one from this department notified me in writing, or even verbally, that I may not be able to renew the permit. In order to continue my career, I bought an ocean boat and built a scallop rig. To obtain the equipment to scallop in the ocean, I invested over two hundred thousand dollars. Now Marine Fisheries is telling me I may not be able to continue the endeavors in which I spent so much time and money to begin, due to problems with the fisheries. I obviously would not have started in this business and invested such a magnificent amount of time, energy, effort, and money to stick my neck out in this way had I known my permit was not to be renewed. It seems it would have saved, not just me, but many hardworking Commercial Fisherman a great amount of stress and anguish had Marine Fisheries denied permit requests after their proposed "control date" in the first place.

From day to day experience, there does not seem to be a lack of scallops. However, Marine Fisheries believes, due to statistics, that day boats are the prime cause of scallop numbers deteriorating in the Ocean and that day boats are responsible for immense disturbances of the ocean's floor. In actuality, Marine Fisheries should know (with all the information on which we file reports, such as: when we leave port, when we come in, how many each boat has caught, in what area they were caught, in what depth of water, etc.) that day boats are much less responsible for these disruptions than the trip boats their Council seems to be endorsing. It takes only a matter of simple logic to figure out that the small percentage of day scallopers is not damaging the ocean the way trip boats are. Day scallopers dredge for a few hours each day. Trip boats are continuously dredging for eight to ten days. These boats catch 18,000 pounds of scallops- obviously a multitude compared to a day scalloper's 400 pounds. According to Amendment 11 Draft Environmental Impact Statement (DSEIS) to the Scallop Fishery Management Plan "prepared by the New England Fishery Management Council" states in table 1 that General Category vessels only landed 12.18% of the scallops caught in 2006. We few General Category vessels are not even putting a dent into what is being caught. There must be an obvious correlation between those catching the scallops and those causing fishing mortalities. If General Category vessels are catching less, we are causing less fishing mortalities.

Our product is certainly worlds fresher and therefore healthier. It seems consumers should much rather want to buy fresh day scallops than a form of seafood that is two weeks old by the time it gets to market. It makes me wonder what the bacteria count would be on these old products, if tested. I know how important age and temperature are when dealing with the shipping of seafood. I am vastly experienced when it comes to shipping soft-shell clams to the New England area. I can not understand why the New England Fishery Management Council would want to shut someone out of catching a fresher product for the consumer.

There are many things about the situation that do not make sense to me. Why would the National Marine Fisheries Services (NMFS) have issued a permit that I would not be able to renew? Why would they allow a Commercial Waterman to spend so much money in

order to scallop that he will not be able to make back without that renewed permit. How can the Council say that the miniscule number of scallop caught by day scallopers (compared to those caught on Limited Access vessels) is causing these environmental issues? How can the Council support trip boats if their best interests are in the preservation of natural resources and the seafood industry? The answer seems to be greed. It seems that the Council is hanging ethics in order to support trip boats which are quickly beginning to monopolize this industry by shoving out every little-man trying to make a living and delivering a older and inferior product at the same time. It can not be that with all the technology available and information available to the Fisheries that they truly believe denying hardworking family men the right to work as day scallopers can be the answer to saving the ocean's resources and preserving her natural gifts.

Thank you for your valuable time. Please also read the attached addendum concerning the public hearing I attended for Scallop Fisheries Management.

Sincerely,

David Tedford

June 4, 2007

David Tedford
104 Bentons Pleasure Road
Chester, Md 21619
410-310-8767

Addendum

On Tuesday, May 29, 2007 at 6:00 pm, I had the privilege of going to a public hearing for the Scallop Fisheries Management Plan in Newport News, Virginia. While a lot of things were discussed there, the main topic was the Scallop Fisheries Management Plan. I heard a lot of different opinions; but I was mostly appalled by the constituents of the management plan and the way in which the NMFS is handling its concerns.

National Marine Fisheries Services claimed to be concerned about the fishing mortality, but they have already implemented a plan to slow and stop the rate at which scallops are harvested. A major part of the East Coast's Ocean bottom has been closed up and deemed illegal ground for scallopers. From New Jersey to Ocean City Maryland, there is only a small strip of 8-10 miles that we are allowed to work in. From the 38'10 line south all the way to about the Chesapeake Bay the bottom is closed for scalloping- the NMFS has closed it; I can't see how something can be over fished if it's closed up-not even if there are 10,000 boats out there. Over fishing something is impossible if the bottom is closed. Certainly this is a good way of keeping over fishing from happening. Even rotating the bottom to give things a chance to reproduce and come back would be a legitimate way to regulate and reduce fishing mortality and over fishing.

When it comes to protecting our resources, the Council has not taken these bottom closures into consideration. Amendment 11 express the need to honor a General Category Permit control date of 2004 in order to further the protection of scallops. While denying anyone who obtained a day permit later than 2004 will undoubtedly cut down on the number of boats in the water, it will not create a drastic difference in the number of scallops being harvested, nor will it be a fair way to conduct business-especially from a government run agency such as NMFS. No such action needs to be taken.

The Council intends to deny the renewal of a General Category Permit to anyone who has not obtained their permit prior to 2004. At this meeting my friends and I spoke out against this unethical injustice. I expressed my concerns about my freedom as an American Citizen and my rights being taken away by these restrictions that seem to be undoubtedly going into affect. I even made a statement concerning the shamefulness of our men fighting for our freedoms in Iraq, and my freedoms being taken away right here in our own country.

Let me reiterate to you what statements I made during this meeting, and by doing so, further explain the consequences of the "implementations," the restrictions on the scallop fisheries concerning the General Category Permits:

What is going to happen to my colleagues and me if our permits are taken away because we came into the scallop fisheries after the control date in 2004?

I knew nothing about this control date when I applied for my permit. Of course, I was never told anything about it until I *after* I bought my boat, invested hundreds of thousands of dollars in the vessel itself and the equipment necessary to get my boat ready to go scalloping.

The National Marine Fisheries *FAILED* to protect American citizens by informing everyone about this control date prior to the date itself and by the issuing of permits post-2004. The Fisheries should have made everyone sign a statement to the effect that their permit "could be revoked" due to this control date. I live 100 miles away from the ocean, and am learning as I go as far as the ways of the wide waters. It was dishonest of the Fisheries when they chose not to alert me and others like me about this possibility when I filed for my permit. As I have previously stated in my first memo, I'm a 30 year fisherman, a *Commercial* Fisherman. I am not a wealthy entrepreneur who enjoys fishing while vacationing all summer with my buddies. I am devoted to the water business and I have been for my entire life.

I ask again: What is going to happen to me if my permit is revoked-after I have spent so much money to prepare to scallop? Who will pay off the boat? Who will pay off my mortgage, for that matter! I can guarantee it will not be NMFS!

What we have here, it seems, is a systematic extermination of the Commercial Waterman. It's just one more way to push Commercial Fisherman off the face of the earth. This is parallel to Ocean City, MD where the laws were recently legislated to stop hard shell clamming in the Coastal Bays. I used to do that. Clamming is only part of my livelihood that has been taken away. Parts of my rights are gone. Where I live, on Kent Island, and in the surrounding areas, our government has not controlled the sewer systems. Nothing grows in our waters anymore. Out oysters and clams! Out soft shell clams! They won't grow there anymore, or at least they won't grow enough to sustain a living on the water. It's a shame. And it was for this reason that I ventured into the scalloping world. And now- What happens? Thanks to government controlled changes and regulations, my livelihood is suffering permanently again.

NMFS claims to be an equal opportunity employer. That statement is on all NMFS letters. It needs to be removed. The little-man is being discriminated against. Marine Fisheries will not just be revoking my right to scallop, but my right to make a living to survive. And it seems to be for two reasons: I do not own a trip boat, nor do I know anyone on the National Marine Fisheries Council personally.

Certainly by knocking many of the General Category scallopers out of business, trip boaters will be able to monopolize the scalloping industry. But what does this have to do with the Council's bias? At the meeting last week, I asked the Council how many of them owned, or knew personally individuals who owned trip boats. The Council chose not to honor my request for information. Their silence leads me to believe that if they had

answered truthfully, many of them would have in fact, been owners of trip boats or friends of trip boat owners. I stated that if they were owners or supporters, this conflict of interest could not possibly be legal. It is discriminatory to have these individuals sitting on the board and making decisions that cause self-employed day scallopers like me to lose their jobs and therefore their sole form of income. Even though I wasn't scallop fishing before 2004, I was a waterman just like all the owners of these trip boats. But once again, the little guy suffers.

No action in the General Category Fisheries should be taken. Allow any permitted fisher to renew their permit. How dare the Fisheries give out permits to scallop fishers and allow Commercial Fisherman to spend two or three hundred thousands dollars- only to revoke this permit in the future. This is despicable and unacceptable from our government- and especially from the NMFS- a group of individuals with enough data to know that the few hundred General Permit Scallopers with permits issued since 2004 are not the cause of fishery mortality. We submit hundreds of reports; there is no lack of information.

With all of the records that the NMFS has at hand, they have definitely failed when it comes to giving out permits after their control date. The least they can do now is to honor these permits. **Leave any man licensed who is already licensed**, and simply give out no more permits at this time. The Fisheries should have done this whenever this concern first came about. If there was a problem long ago, NMFS should have known it, and it should have been taken care of before present times. Many of us would not be in this position right now if it was done years ago. And the Council would not be to blame for the devastating decisions that are getting ready to be made.

As for the description of the Council's preferred actions, it is to allocate 2.5 to 11% annual projected catch. General Permit scallopers can not be causing more than 5-10% of the damage of fishing mortality out there. The other 95% goes to the trip boats or Limited Access Permit holders. There are countless trip boat and Limited Access fishers that are pulling two dredges, two 15 footers, working around the clock, seven days a week. It doesn't take a rock scientist to figure out who is doing the most damage out there. The General Category fishery is doing considerably less damage compared to trip boats and Limited Access fishers making up nearly 95%.

Why now are we trying to squeeze out the little guy with such a high percentage due to fishing mortality? There doesn't seem to be a reason, other than greed. There is no logical reason to deny me, or any other General Category Permit Holder, a renewal of permit when we are only responsible for a miniscule amount of damage in comparison to trip boats. With such an insignificant annual projected catch and an insignificant amount of damage being caused by day boats, who can justify taking away a hard-working American citizen's livelihood? The answer is as simple as this: No one can.

Please consider carefully the things I have written, as it is my career and way of life, along with my family's survival, that is now in your hands.

Comment # 11

Ms. Patricia Kurkul, Regional Administrator
National Marine Fisheries Service
1 Blackburn Drive
Gloucester, MA 01930

5/30/06

Re: "Comments on Scallop Amendment 11"

I appreciate the opportunity to submit these comments on General Category Amendment 11. My name is James Gutowski and I am a Full time limited access permit holder who has participated in both the General Category and Limited Access Sea Scallop Fisheries.

In line with Amendment 11's vision statement I support a historical inshore General category fleet, with a limited access management plan set at no more than 400 pounds per day for a reasonable amount of days for those who qualify.

Overall Allocation

In the preferred alternative's qualifying period 1994-2004; General Category landings were 1.96% of the overall catch. In 2004 (control date year) the General Category landings were 5% of the overall catch. The Council's Preferred Alternative of 5% should be an upper end percentage.

Limited access vessels should be allowed to fish under the General Category if they meet the qualifying criteria. During the qualifying period (1994-2004) limited access vessels fishing under the General Category landed an average of 1.12% of the overall catch. This same percentage should carry through to Amendment 11

Reallocation

Since the implementation of Amendment 4 Full time limited access participants have made conservation sacrifices, engaged in cooperative research and participated in the management process. It would be fundamentally wrong to reallocate the scallop fishery based on post control date landings when the scallop resource was at very high levels.

Qualification Criteria

The November 1, 2004 control date should be used. I understand the council's preference to include a wide range of participants however; this choice will qualify to large number of participants.

Alternative 3.1.2.4.2 would be a good option providing lower landing limits for a tier of qualifiers between 1,000 and 5,000 pounds. This option can work well with allocations based on trips as well as pounds.

Any vessel qualifying for limited access under Amendment 11 with a dredge should only be able to fish under Amendment 11 with a dredge. In line with Amendment 10 to increase yield per recruit the council should set a lower possession limit for vessels not fishing with a dredge to protect juvenile scallops. Unrecorded or illegal landings should not count toward qualifying.

Stacking and Consolidating

Again in keeping with Amendment 11's vision statement "projecting a fleet of relatively small vessels" it should not allow, stacking or other forms of consolidation for the purpose of grouping poundage on to larger vessels planning to fish offshore.

Northern Gulf of Maine Exemption Area

I support the creation of an NGOM exemption area north of 40'20 to accommodate certain historical interest. The mortality from this NGOM exemption area should not count against limits set in this FMP.

Yellowtail Access Allocation

The General Category should receive a dedicated allocation of yellowtail for their access trips. This allocation should match the scallop allocation for each access area. This should not be based on the overall allocation of the scallop resource fishery wide.

Interim Period

Amendment 11 should not take years to complete. During this transition period General Category effort needs to be capped. Participants with no long term interest could cause considerable damage to the resource during this period. A 10% cap is too high for this interim period and will lead to more effort in the short term.

Amendment 11 should maintain current access area caps during this transition period.

Fishing Year

The fishing year should not be changed. Business plans and operations have been based on this schedule for years. The current fishing year matches the best scallop yields thus maximizing yield per scallop recruit.

Thank you
James M Gutowski
F/V Elizabeth
F/V Kathy Ann



comment
#12

TEL. (609) 884-3000

P.O. BOX 555
985 OCEAN DRIVE
CAPE MAY, NEW JERSEY 08204

FAX (609) 884-3261

Ms. Patricia Kurkul, Regional Administrator
National Marine Fisheries Service

June 5, 2007

RE: Comments on Scallop Amendment 11
Via e-mail to: Scallop.eleven@noaa.gov

Dear Ms. Kurkul and NEFMC Members,

Whereas the NEFMC has chosen to utilize limited entry as a keystone of management to control mortality from General Category fishing effort, the single most important decision the NEFMC must make in Amendment 11 is the percentage of landings to allocate to the new General Category Limited Access qualifiers.

The NEFMC and NMFS should allocate no more than 2.5% of the total scallop landings to General Category effort and 0.5% to Limited Access Vessels while General Category Scallop for a total allocation of 3%.

The NEFMC initiated Amendment 11 due to the 'Gold Rush' mentality of 'bubble' entrants that began in 2003 and peaked in 2005 (General Category effort is on the decline now due to their over harvests of the Open Area Beds). The NEFMC has already appropriately decided to utilize the November 2004 control date and to limit qualifiers to those vessels with sufficient landings before the control date.

With this in mind, it would be inappropriate to allocate to these qualifying 'historical' General Category participants more than had 'historically' harvested, especially in light of the fact that any allocation to these General Category participants in excess of their 'historical' catches must by definition 'reduce' the historical landings of the Limited Access Scallop vessels who have been the backbone of the scallop fishery. The existing Limited Access Scallop Vessel Owners' cooperative conservation efforts husbanded and rebuilt the Scallop resource to the point where catches were sufficiently good to attract opportunistic entrants by General Category fishermen. The NEFMC should not reward the General Category fishermen by taking from Limited Access Fishermen.

Referring to Table 1 in the Public Hearing Document – *Summary of scallop landings by general category vessels, limited access vessels under DAS and limited access effort for trips under 400 pounds* (copied on the next page) – the following analysis can easily be confirmed:

- The Average of General Category landings from 1994 to 2004 was 1.96%
- The Average of Limited Access effort under 400 pounds from 1994 to 2004 was 1.12%
- The sum of these (total General Category and Limited Access below 400 pounds historical landings 1994 to 2004) is 3.08% (3%).

The NEFMC current preferred alternatives for General Category effort is 5% and the NEFMC preferred alternative for Limited Access Scallop vessels when General Category fishing is 0.5%. This would total combined 5.5% for General Category effort if approved by the NEFMC. There is no logic or policy basis for these levels of allocation:

- None have articulated a credible, legitimate argument for why General Category should be allocated more than its historical average of 2%.
- None have articulated a credible policy basis should General Category landings be allowed to go up by 255% (from 1.96% to 5%)?

The historical average of both General Category and Limited Access landings combined was 3%. If Limited Access were allocated 0.5% of landings (a reduction of 64% of their historical landings) that would leave 2.5% for General Category landings (an increase of 27% of their historical landings).

Table 1 – Summary of scallop landings by general category vessels, limited access vessels under DAS and limited access effort for trips under 400 pounds.

Fish Year	Total scallop landings (LA and GC)	Total scallop landings by General Category vessels only		Total scallop landing by Limited Access vessels under DAS		Total scallop landings by limited access vessels outside DAS (on 400 lb trips)	
		LBS	%	LBS	%	LBS	%
1994	14,907,265	95,268	0.64%	14,713,046	98.70%	98,951	0.66%
1995	15,807,941	123,967	0.78%	15,603,104	98.70%	80,870	0.51%
1996	16,447,682	204,635	1.24%	16,175,248	98.34%	67,799	0.41%
1997	12,619,221	310,049	2.46%	12,122,375	96.06%	186,797	1.48%
1998	11,186,468	164,435	1.47%	10,528,707	94.12%	493,326	4.41%
1999	21,286,244	150,482	0.71%	20,713,733	97.31%	422,029	1.98%
2000	32,929,475	357,691	1.09%	32,259,404	97.97%	312,380	0.95%
2001	45,164,706	1,216,947	2.69%	43,659,686	96.67%	288,073	0.64%
2002	49,808,416	983,775	1.98%	48,641,573	97.66%	183,068	0.37%
2003	54,778,793	1,809,071	3.30%	52,781,614	96.35%	188,108	0.34%
2004	61,714,971	3,245,661	5.26%	58,106,020	94.15%	363,290	0.59%
2005	53,214,097	7,495,884	14.09%	44,917,224	84.41%	800,989	1.51%
2006	56,149,105	6,838,083	12.18%	48,886,653	87.07%	424,369	0.76%

I urge the NEFMC Scallop Committee and the full Council to fully look at the policy basis and implications of the allocation to the General Category fishery and to change their preferred alternative. I urge the NEFMC Scallop Committee and the full Council to adopt the following allocation of Scallop landings:

- 2.5% for General Category new limited access qualifiers
- 0.5% for Limited Access vessel which will qualify
- 3.0% total for the entire General Category fishery

Thank you for considering these comments.
Daniel Cohen, President

Subject: Amendment 11
From: BaileysOystersCo@aol.com
Date: Tue, 05 Jun 2007 14:36:22 -0400 (EDT)
To: Scallop.Eleven@noaa.gov

In reference to Amendment 11, Section 3.1.2.1.3, for the years 2000 – 2004, I support this proposal for a five year – five thousand pound minimum in order to qualify for permits. This would create a smaller number of permits with a more viable fishery for the participants who qualify. Giving a longer time frame for qualification means more permits with fewer trips per boats not making it feasible to maintain boat and make a living. General category should be set at 5% of the total quota of scallop stock and leave a quota cap at 10% for the interim in implementing limited entry. I also support possible future poundage limit as opposed to trip limits and support possible future permit stacking in order to remain active and economically feasible to remain in the fishery since it costs too much to maintain a boat if there is only 25 – 30 trips per permit.

As in this scenario of 3.1.2.1.3, I myself will forfeit a permit in order to maintain one permit of viable economic value and fishing days.

Thank you,
Scott R. Bailey
Bailey's Oysters, Crabs & Soft Crabs LLC

See what's free at AOL.com.

Nordic Fisheries, Inc
14 Hervey Tichon Ave.
New Bedford, MA 02740
508-993-6730

June 1, 2007

National Marine Fisheries Service
Northeast Regional Office
1 Blackburn Drive
Gloucester, MA 01930

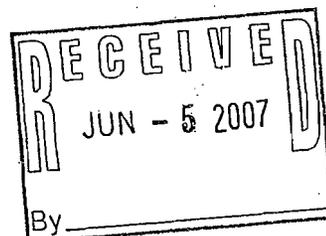
Attention: Patricia Kurkul, Regional Administrator
Comments on Scallop Amendment 11

I would like to make a few comments on Amendment 11. First when the scallop management plan was formed to have limited access there was no thought of a general category fishery. The 400 lbs. was for by-catch thinking about draggers making a trip and getting a few scallops in their nets just the same as scallopers are allowed a little fish for by-catch. There is no legitimate reason to allocate more than 2 or 3 percent to general category. Historically they have only had very high landing the last couple of years. The limited access scallopers have developed this fishery and paid their dues over many years and deserve to have their fishery. It also seems to me that to allow general category 10% during the appeal process when the preferred alternative from the council is a very generous 5%, 10% makes no sense at all.

Sincerely yours,



Roy Enoksen
President



Patricia Kurkul, Regional Administrator
NMFS
N.E. Regional Office
1 Blackburn Drive
Gloucester, MA 01930

Dear Ms. Kurkul,

These are my personal comments on the proposed Amendment 11. Regarding the DRAFT LIST OF MANAGEMENT ALTERNATIVES for Amendment 11 as provided through NEFMC website, I wish you to consider the following thoughts.

Under the qualification criteria I believe anyone who possessed a General Scallop Permit before the CONTROL DATE should retain access to the proposed new General Scallop Permit (limited access) and should not be exposed to losing it due to limited participation. Everyone who has made a financial commitment to pursue scalloping, should be able to continue to do so.

Throughout the literature provided over NEFMC website for the past three years a recurrent theme persisted to justify curtailing the General Scallop Permit allocation. This theme purported that the category was initiated to be used as a part time limited basis fishery to fill gaps in fishing seasons for smaller vessels and not to be used as full time. However, under the alternatives presented, if one used the permit on a limited basis part time as intended, one would now be penalized for not abusing the original purpose of the category by working fulltime. Those who did work full time and abused the original intended concept of the general category are now to be rewarded with higher allocations than those who did not. This is oxymoronic logic.

To reward those who abused the original intention of the category and punish those of us who abided by the original concept seems less than fair. Everyone who had a license before the control date should be granted a limited access General Category Permit and should receive an equal allocation. Equal allocation is the only way to be fair among permit holders.

A low allocation to general category vessels would prove to be uneconomical for the fisherman. The cost of the ever rising three dollar per gallon diesel necessary to make a trip in the Mid-Atlantic to the scallops grounds fifty miles off shore preclude a profit to be made without generous poundage allotment. If any action should be taken to adjust poundage per trip it should be to up the poundage to six hundred pounds per trip or more to make it more economical for fishermen to make a living and not starve themselves burning diesel.

In addition, since this is a Federal resource all states having waters adjacent to the scallop grounds should have a minimum number of participants to promote parity among those states with active fisheries. My state, Delaware, would be extremely restricted in eligible participants while other states would field ten times our number of participants.

The last item I wish you to consider is the apparent lack of concern for the misappropriation of a Federal natural resource. When day boat General Category Scallopers are paid two dollars per pound more for their natural, fresh, sweet product than their ten day at sea, preservative washing, bitter tasting, limited access vessel product,

monetary waste becomes apparent. Why wouldn't the Federal Government want to allocate more scallops to those who bring the highest value for the resource and discourage those who command less money for an altered product?

Please increase the General Category allocation to an acceptable percentage between ten to fifteen percent. There are plenty of scallops for everyone. It seems economical nonsense to curtail the General category allocation when they maximize the revenue generated for the same natural resource and present it in a fresher condition to market.

Let's be fair and honest in distributing this federal resource between all participants and give the smaller boats a larger piece of the pie.

Thank you for considering my thoughts,

Ray G. Trout Jr. / Scalloper
President, Cape Henlopen Shellfish Inc.
F/V Emily Jayne
General Category Scallop Permit Holder

P.O. Box 637
Lewes, De 19958

Phone/Fax
(302)645-2318

Stanley(Buddy)Pritchett
100 Radcliffe Drive
Cambridge,MD. 21613
410-228-4725

Comments on Amendment 11 to the Scallop Fishery Management Plan

I attended the public meeting on May 29 at Newport News,VA. I listened to all the proposals being made and am very concerned because it sounds as though my livelihood as well as my sons is in grave danger. These proposals will surely end our scalloping careers.

I am a third generation commercial fisherman who has worked the last 40 years doing the job I love and my son has followed in my footsteps.I've worked the Chesapeake Bay and the Coastal Bays of Ocean City, but with the depletion of oysters, soft shell clams and the closure of the Coastal Bays in 2008, it led us to general catagory scalloping in the Atlantic.

I guess my main question is why did you keep issuing permits if there was already a control date on the table? We were issued permits and invested an extremely large amount of money, in excess of \$250,000. I guess to some that may not seem like a lot , but to us that is a huge investment.

As of 2004, only 19 boats held day scallop permits in the state of MD.How much harm can they do to the vast Atlantic Ocean?The bulk of the permit holders are from New Jersey northward. Don't take away permits just don't issue anymore, and let the fisheries continue for the current General Catagory Scallopers.

The smaller day scallop boats are ^{controlled} ~~controlled~~ more by the weather than the larger limited access boats. That in itself helps control the fishery. They have already closed a large area almost to the Chesapeake Bay Bridge Tunnel leaving only a very small area off the MD.and DE. Coast.This closure along with the opening and closing of areas such as the Elephant Trunk were implemented to solve the over fishing and fishing mortality problems.

Why allow the limited access vessels to have their trip permits plus the general catagory scallop permits? They get both and just because I didn't have my permit in 2004 mine will not be reissued.Is it so easy for you to deny us the right to use these permits to make a living? We are honest, hardworking watermen who value our resources as much as you do, but we don't want to be kicked out of an industry in which we have invested so much while others can continue to work. How much influence have the limited access permit owners had over these proposals? Sounds like they are in a win win position, losing nothing and gaining almost exclusive rights to the Atlantic Scallop Industry.According to Table1 the day boats caught 12.18% while the trip boats caught more than 87% and according to your records the day boats are responsible for all the problems with the fishery.

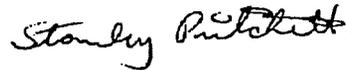
It would be a travesty if the NMFS allows this to happen. Continue to monitor, and the

opening and closures of access areas, and allow the day scallopers with permits currently to stay in the fishery. This fishery should stay open for all of us.

If I am shut out of this industry I feel I should be reimbursed by the government for my investments. The government should buy out all of the day scallopers who will no longer be able to count on making a living in this fishery. Hopefully, day scalloping will remain open to all permit holders but, if not I think this would be the only fair alternative.

For one minute put yourselves in our place and consider the investments and possible loss of income and let your conscience be your guide and let things remain the same.

Stanley Pritchett



NMFS
One Blackburn drive
Gloucester MA 01930

Scallop Amendment 11 Comments

Dear Sir,

Draft Amendment 11 Scallop Fishery Management Plan. DO NOT CHANGE FISHING YEAR!

Yamaha Fishery Journal No. 34 October 1990 is scientific information presented to the Council first in 1995. Journal 34 was resubmitted in 2006 as management information. Scallops: Biology, Ecology and Aquaculture (Elsevier edited by S.E. Shumway) another scientific source of information have been ignored by the scallop Management PDT, along with the council. Amendment 11 does not protect small scallops. Since 1987 scallop production has increased in most producing nations by resource management & genetic selection. Amendment 4 to the present resource management has not occurred. Instead fishermen activities have been curtailed and ring size increased and closed areas randomly selected due to natural scallop settlement. Basically ring size increase results in target the fastest growing scallops of the year class thus creating reverse genetic selection over the long term.

Ring size increase created a market share for small imported scallops, eventually this will create market prices controlled by imports!

No effort was exerted to encourage aquaculture by the scallop industry, Sea Grant refused grants for scallop grant meetings with coast wide industry.

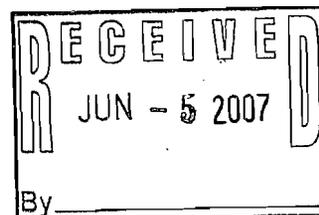
Scallops are not being managed by proposed amendment 11, (BEST SCIENCE,) Shumway page 864 references cyclicity in production associated with periodic tide phenomena. Journal 34 references a ten year cycle of production (solar cycles). Current utilized BEST SCIENCE; of amendment 11 does not mention cycles.

Predation from starfish referenced Shumway page 639 and Journal 34 has not been addressed in any scallop management. Scallop managers have not investigated how other countries have tripled scallop production. SCALLOP AQUACULTURE BEGAN AT THE MILFORD LAB, THE TECHLOGY WAS NOT UTILIZED IN MANAGEMENT ACTION! Science gained was not applied to sea scallops.

Amendment 4 should allow the day fishery to remain with the same number of current vessels as of the moratorium date Nov. 04.

BY REQUIREING GENERAL SCALLOP VESSELS TO LAND starfish as a portion of the 400# catch effort on small scallops can be eliminated (J34.) (In theory the number of small scallops consumed by starfish SHOULD be off set by the harvest by general scallop vessels. Moving day scallop vessels to Aquaculture would allow an increase in scallop production. Amendment 11 does not address any method to increase survival of small scallops except effort reduction.

The systematic rotation of harvest areas are supported in (Shumway) (journal34) but ignored in amendment 11. Science utilized by council in amendment 11 fails to address any method that allows for increased production or the harvest of smaller scallops to meet market demand.



OVERFISHED AND OVERFISHING ARE A RESULT of MANAGEMENT AND GEAR SELECTION WITHOUT REGARD TO KNOWN CYCLES.

AMENDMENT 11 REWARDS THOSE FISHERMEN THAT CREATED THE PROBLEM, (Made general category a sole source of income not a by-catch associated with other fisheries,) INCREASED DISCARDING OF SCALLOPS IN FLOUNDER AND RELATED FISHERIES, DOES NOT ADDRESS MORTALITY ON SMALL SCALLOPS FROM PREDATION OF STAR FISH.

Amendment 11 is not based on scientific information that can be replicated. The basis of Amendment 11, does not comply with the Manguson Fishery act. 101-627, 104-297 purpose (3) to assure that the national fishery conservation and management program utilizes, and is based upon, *the best scientific information available; involves and is responsive to the needs of, interested and affected States and CITIZENS; CONSIDERS EFFICENCY;* draws upon Federal, State, and academic capabilities in carrying out research, administration, management, and enforcement; considers the effect of fishing on immature fish and encourages development of practical measures that minimize by-catch and avoid unnecessary waste of fish; and is workable and effective;

The primary goal is to control capacity and mortality in the general category scallop fishery, The secondary goal is to allow for better and more timely integration of sea scallop assessment results in the management process.

Capacity control would not be necessary *IF* STARFISH WERE LANDES IN AN AMOUNT NECESSARY TO OFF SET HARVEST MORTALITY! Council need only implement requirements for starfish landing requirements for vessels targeting general category scallops as a sole source of income. Other General Category vessels would have a percentage of other catch plus additional pounds of star fish.

Assessment results not considering the above mention scientific cycles are not valid yearly, thus managing yearly can not be justified as best science. Current management by ring size **GIVES AN IMPORT ADVANTAGE TO SMALLER SCALLOPS, THUS UNDERMINDING** future price of the scallop industry.

Amendment 11 should be scraped in favor of landing limits on general category vessels requiring a portion of starfish. The council could have implemented yearly landing limits.

Amendment 11 will forever eliminate the ability of Citizens who shuck shell stock scallops to have employment, in the four boom years of the 10-11 year cycles. This for North Carolina will have economic effect in the lowest per capita Counties.

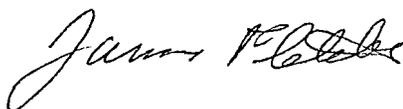
The assessment results must include the cycles that are known to affect scallop production. **NO NEED FOR TIMELY INTERGRATION OF SEA SCALLOP ASSESSMENT IF THE LONG TERM BEST SCIENTIFIC CYCLES ARE NOT**

UNDERSTOOD OR ignored! SCIENTIFIC IGNORANCE CONNOT JUSTIFY AMENDMENT 11 not including starfish management to reduce mortality.

Answers to focus comments on amendment 11 public comment!

1. Capacity should be limited to the Nov. 04 control date or VMS.
2. Require landing starfish as portion of GC targeting scallops with no other landings.
3. Having a permit prior to 04 all should be in
4. all qualifiers must have same access to resource. Why reward the cause of the perceived problem, with low prices and fewer scallops the GC fleet has decreased in 07.
5. no sectors should be allowed!
6. NO! The gulf of Maine should be the first introduced to aquaculture of scallops.
7. NO! limited access built the GC landings No vessel should be removed from GC fishing.
8. NO!
9. NO! ALL YELLOW TAIL CATCH SHOULD BE LANDED AND SOLD THUS AN ACCURATE AND HONEST BY-CATCH RECORD WOULD EXIST AND CATCH WOULD NOT BE WASTED! *(HOW DOES ESTIMATED BY-CATCH REDUCE BY CATCH? CONVERT YELLOW TAILS TO LANDINGS!*
10. INCENDITAL CATCH MUST BE LANDED WITH APPROPATE AMOUNT OF TARGETED SPECIES OR STARFISH!
11. NO! the data is flawed; an example graphs showing scalloping activity are not to scale giving a non-realistic impression of area scalloped; scientist have continued to distort the area scalloped by general category with charts that are not to scale. Showing the public and managers a distorted impression of area fished.
12. No to trawl sweep less than 144 ft, increased scallop possession east of line if forced out of closed area by yellow tail closure; load the vessel & leave attempting to reach 18000 #
13. Yes the GC fleet by landing starfish can be forced to eliminate the mortality GC vessels have on scallops. Limited Access vessels could increase production by landing starfish or installing dehydration equipment utilizing heat from engine, (GOOD SCIENCE)
Amendment 11 fails to mention the effects even in the open ocean of PESTICIDES, PHARMACEUTICALS, PERSONAL CARE PRODUCTS, THUS IGNORING CHEMICAL AFFECTING REPRODUCTION OF SCALLOPS. (ST. LAWERENCE SEA WAY)
14. Amendment 11 should only put the control date number of vessels in the general category; close the open access permit. Match the number of starfish landed; to a number necessary so scallop landing mortality is less than the harvest mortality.

Sincerely, James Fletcher. 05-29 2007 123 Apple Rd Manns Harbor NC 27953



Developments in Aquaculture and Fisheries Science, 21

SCALLOPS: BIOLOGY, ECOLOGY AND AQUACULTURE

Edited by

SANDRA. E. SHUMWAY

*Department of Marine Resources and Bigelow Laboratory for Ocean Sciences,
West Boothbay Harbor, ME 04575 (U.S.A.)*



ELSEVIER Amsterdam — Oxford — New York — Tokyo 1991

SEA SCALLOP, *PLACOPECTEN MAGELLANICUS*

K. S. NAIDU

Science Branch, Department of Fisheries and Oceans, P. O. Box 5667, St. John's, Newfoundland A1C 5X1 Canada

FISHERIES

From an economic viewpoint, the sea scallop, *Placopecten magellanicus* (also called giant scallop, smooth scallop, ocean scallop or Atlantic deep sea scallop) is by far the most important pectinid species in the world. Between 1976 and 1987, it alone accounted for some 30% of the mean annual global production of all scallop species combined (Table 1). In some years it contributed to more than half of global scallop production. Sporadic booms in natural production associated with temporal fluctuations in abundance in some species (e.g. calico scallop) and manipulated production through enhancement in some others, particularly the Japanese scallop, *Patinopecten yessoensis*, have in recent years relegated sea scallop landings to a seemingly secondary role. In 1986, for example, up to 60% (163,601 t out of 276,596 t, whole weight) of *Patinopecten* production was culture based, spuriously depressing the sea scallop contribution to world tonnage.

The Atlantic sea scallop is a relatively large mollusc commonly reaching sizes between 10–15 cm and frequently beyond. While large as contrasted with several other scallop species, the implied gigantism is not always characterized by unusual or disproportionate shell size. The largest sea scallop ever recorded measured 211 mm (shell height, tangential dorso-ventral measurement), a size a little larger than the previous recorded of 208 mm (Norton 1931) and had an adductor muscle (meat) weight of 231 g (0.51 lb.) (Naidu, unpubl.) Rock scallops, for example, are better endowed with shell heights approaching 250 mm (Hennick, cited in Kaiser 1986). Maximum age recorded for sea scallops is 29 years (Naidu, unpubl.). The shell of the sea scallop is almost circular in outline with symmetrical wings at the hinge (p. 875). Whereas the lower right valve is white, flat and smooth, the left valve is usually light to pale brown, convex and delicately ribbed. Occasionally, both shell valves are white. Concentric rings on the delicately ribbed surface of the left valve have been verified to be annual (Stevenson and Dickie, 1954; Posgay 1962; Naidu 1969) and are commonly used for age determinations. Oxygen isotope records have also confirmed that growth lines are in fact annual events, consistent with biological interpretation (Tan *et al.* 1988). Hurley *et al.* (1987) have shown that the number of growth lines in laboratory reared post-larval shells is related to the actual age in days. Growth rings are especially pronounced in northern shallow-water populations (Naidu 1975). Repeated encounters with fishing gear in heavily fished aggregations and the haphazard deposition of shock rings makes interpretation of annual growth rings sometimes difficult and frequently impossible. Under these circumstances it may be necessary to utilize growth bands on the resilium (Merrill *et al.* 1966).

Sea scallop beds of sufficient extent and density to support commercial fisheries occur from Virginia Capes (latitude 36°50'N) to Port au Port Bay, Newfoundland, Canada (latitude 48°40'N). Offshore, sea scallops have been exploited commercially on Georges Bank, the Mid-Atlantic Shelf, Browns Bank, German Bank, Larcher Shoals, Grand Manan, around Sable Island, Middle Ground, Banquereau Bank, and on St. Pierre Bank (Fig. 2). The Bay of Fundy (especially off Digby) and Gulf of Maine also have had a long history of production. A full 44 percent of the Canadian catch in 1989 (4,600 t meats), approximately equivalent to the total Canadian removals from Georges Bank in that year, came from the Bay of Fundy (Table 2). In the center of its range (Georges Bank and Middle Atlantic Shelf), scallops have been quite successful and have withstood moderate to heavy exploitation. The Mid-Atlantic area off Long Island and New Jersey (New York Bight) and Delmarva and Virginia-North Carolina regions has become more important in recent years, sometimes contributing to more than half of the USA total scallop production (Table 2). In the Gulf of Maine, the majority of catches come from inshore U.S. territorial waters. Georges Bank, where most of the offshore effort is directed, constitutes the world's largest, single natural scallop resource (Caddy 1989). Scallop production on Georges Bank has been attributed to the presence of a large gyre which forms during the summer and later helps to retain planktonic scallop larvae within the area until they are ready to metamorphose and settle to the sea bottom (Larsen and Lee 1978). Towards the extremes of their range, sea scallops generally have been less successful and have not withstood continued, heavy exploitation (Dickie and Medcof 1963). Fisheries in fringe areas such as the northeast coast of the United States (Serchuck *et al.* 1979) and St. Pierre Bank (Naidu *et al.* 1983b) typically are characterized by a disproportionate dependence on sporadic recruitment of a single or a few intermittent and, sometimes, well-spaced year-classes. Consequently, in fringe areas, fisheries must cope with wide and, sometimes, catastrophic temporal fluctuations. As in most scallop fisheries, sea scallop recruitment, even in the center of its range frequently is irregular and poses undue problems to an industry that is typically overcapitalized. In some other areas such as the Bay of Fundy (Caddy 1979; Dadswell *et al.* 1984; Robert *et al.* 1984) there is evidence of cyclicity in production which appears to be associated with periodic tidal phenomena. These departures from 'steady-state' have wide-ranging implications for the orderly development and judicious management of scallop fisheries.

NOTE

Table
produ

United

Geor
Mid
Gulf

Canac

Geo
Sabl
St. I
Mid
Bro
Ger
Bay

Hisc

State

fishe

1882

Prer

twec

recc

1921

Eng

offs

emc

193

mo

(Ar

wh

the

19:

ate

pr:

sh:

ue

not fully understood, but may include shading of *Zostera* beds (that might inhibit their growth), an incomplete food supply, or liberation of toxic metabolites.

Predation. The most widespread scallop predators are perhaps starfishes, as documented for *Pecten maximus* (Lecomte, 1952), *P. fumata* (Olsen, 1955), *Argopecten irradians* (Belding, 1910; Marshall, 1960), *A. gibbus* (Schwartz and Porter, 1977), *Placopecten magellanicus* (Dickie and Medcof, 1963; Medcof and Bourne, 1964; Caddy, 1968, 1973), *Patinopecten yessoensis* (Imai, 1971; Golikov and Scarlato, 1970), *Chlamys islandica* (Brun, 1968), *C. tehuelcha* (Orensanz, 1986), etc. Other invertebrate predators include sea anemones (den Hartog, 1986), gastropods (Belding, 1910; Davis, 1981; Dickie and Medcof, 1963; Marshall, 1960; Olsen, 1955; Orensanz, 1986), octopi (Orensanz, 1986), and crabs and lobsters (Elner and Jamieson, 1979; Jamieson *et al.*, 1982; Marshall, 1960; Pollack, 1988; Tettelbach, 1985). Populations inhabiting continental shelf areas are exposed to heavy fish predation (Caddy, 1968, 1973; Medcof and Bourne, 1964; Naidu and Meron, 1986; Posgay, 1953; Schwartz and Porter, 1977).

There are some known cases of scallop mass mortalities caused by starfish population outbreaks. Decline of *Argopecten irradians* in Buzzards Bay (Massachusetts) at the beginning of the century has been attributed to a starfish population outbreak (Belding, 1910: p. 68). Brun (1968) documented the complete kill of a *Chlamys islandica* bed by *Asterias rubens*.

Mortality due to predation is likely to be size dependent in most cases. Jamieson *et al.* (1982) found that the rate of predation of sea scallops by crabs and lobsters was significantly higher on small size categories than on large ones; size preferences were found to depend on the size of the predators (Elner and Jamieson, 1979).

Epibionts. Scallop shells are often colonized by a variety of epibionts, including algae, barnacles, tubicolous polychaetes, sponges, hydrozoans, bryozoans, other molluscs, etc. It has been postulated that epibiotic suspension feeders (frequently constituting a large fraction of the epibiotic load) compete with the colonized scallops for food resources (Belding, 1910: p. 71; Broom, 1976: p. 14, 16; Motet, 1979: p. 27; Sinderman, 1971; Allen and Costello, 1972; Wells *et al.*, 1964; Yamamoto in Imai, 1971: p. 320). This has never been experimentally demonstrated. Indeed, demonstrated effects of epibionts are in some cases advantageous to scallops, as discussed below. Demonstrated deleterious effects of fouling include entrapment (Leibovitz *et al.*, 1984), increased exposure to stranding (Orensanz, 1986), and deterioration of the shell and meats.

Shell borers. Spionid polychaetes of the genus *Polydora*, which are common borers of scallop shells (Blake and Evans, 1973), have been reported as causing the death of *Argopecten irradians* in Massachusetts (Turner and Hanks, 1959) and of *Patinopecten yessoensis* in Japan (Imai, 1971).

Stranding, usually caused by strong winds or storms, has been reported for *Argopecten irradians* (Belding, 1910), *Patinopecten yessoensis* (Kalashnikov, 1984) and *Chlamys tehuelcha* (Orensanz, 1986). The action of waves has been considered a main source of mortality of *Pecten maximus* in some areas of the Bay of Saint-Brieuc (Thouzeau and Lehay, 1988).

B. *CPUE as an Index of Abundance.* CPUE has been used to assess trends in population size in long-term ("between fishing seasons") and short-term studies, including seasonal trends (del Norte *et al.*, 1988) and within-season declines (see Section 1.1.2.C, below). The data needed are generally obtained through a "log program" (Fairbridge, 1953).

CPUE has severe limitations as an abundance index of scallop and other shellfish stocks. Bivalves and other shellfish—unlike fish—are sedentary. Individuals do not mix after each fishing operation (Baird, 1966: p. 43). The spatial structure of a shellfish stock is persistent, and fishermen do not fish at random over the fishing ground. Rather, once they locate a patch they fish it until density drops to some threshold level, and then move to another patch (Section 1.4.3:B). Given this sequential pattern of patch depletion, stock size is not reflected by CPUE.

C. *Fishing Success Methods.* Catch and effort data can be utilized to estimate initial abundance (ie, at the beginning of the fishing season or removal experiment), provided that the quantity of animals removed over the season (or experiment) is large enough to produce a detectable decline in abundance. CPUE is used as an index of abundance. An estimate of catchability, a coefficient that relates the CPUE index to actual abundance (see Section 1.4.3:B, below) is also obtained. These methods, known as "fishing success methods," are treated in detail by Ricker (1975: chapter 6) and Seber (1982: chapters 7 and 8). Two main families are of common use in fishery research: regression of CPUE on cumulative catch ("Leslie method") and of $\log(\text{CPUE})$ on cumulative effort ("DeLury method"). Dickie (1955), in the best known scallop application, obtained yearly estimates of the size of the Digby stock of *Placopecten magellanicus* over 10 years (1941–1951), using a modified version of the Leslie method. The DeLury method has been utilized to estimate stock size at the beginning of the season in several grounds of *Patinopecten* along the Japanese coast of the Okhotsk Sea (Ito, 1964).

Standard fishing success methods assume closed populations (no migration, recruitment or natural mortality), no competition between effort units, and constant catchability (q). Models, however, can be modified in a number of ways for specific purposes, as is well illustrated by Dickie's (1955) pioneering study. The basic Leslie model was modified to: (1) incorporate an independent estimate of natural mortality, (2) utilize only catch data from days defined as "fine" from meteorological records in order to satisfy the assumption of constant catchability, and (3) use effort information decomposed by segments of the fishing fleet (Ricker, 1975: p. 159–161). Natural mortality was incorporated by assuming that the ratio of catches and natural deaths remained constant over the whole experiment, and that effort level was known. Other, more flexible approaches exist that allow for variable fishing intensity (see Seber, 1982; Coomb, 1979; Sanders, 1988), and may or may not require effort information. Wolff (1987a,b) also modified the Leslie technique in an attempt to incorporate an independent estimate of natural mortality. He applied his method to estimate catchability and virgin biomass of the Peruvian scallop, *Argopecten purpuratus*. He assumed that total cumulative catch taken prior to each unit time period t was all taken at the middle of the time interval $[0, t]$. Wolff (1987b) contrasted the population trajectories predicted by his model against those obtained using the (better) approximation of Pope (1972), and found that errors introduced by his approximation

Comment #18

W. William Anderson

702 Dixie Road
 Moose River Cove
 Trescott, Maine 04652
 United States of America
 207-733-2179

June 01, 2007

Patricia A. Kurkul
 Regional Administrator
 United States Department of Commerce
 National Marine Fisheries Service
 Northeast Region
 One Blackburn Drive
 Gloucester, MA 01930-2298

Dear Pat:

I attended your public hearing on Amendment 11 to the Scallop Fisheries Management Plan. I hold a General Category Scallop Permit and I have a VMS on my boat. I would like to provide further comment on Amendment 11.

The focus of my attention has been lobsters in recent years though I have fished for Scallops in the winter and early spring in the distant past. I still own all my equipment and I could easily move into the scallop fishery. The reason I have an interest in scallops is if the lobster resource should fail to provide me with an income I would have something else to turn to.

I was informed that by a certain date I had to install a VMS on my vessel in order to maintain my ability to land 400# of scallops per trip. Those who met your demands by the given dates should be in the General Category 400# permit class whether they have landings or not.

I do agree that you have to manage the effort in all fisheries or we will have no fish, scallops, lobsters, etc.

One of my biggest concerns is the consolidation or ownership of permits you are allowing in the permits that hold significant ability to land product (limited access permits). In scallops you have a little over 300 permits with rights to land the majority of the resource. Then if you start to look at actual ownership of permits the number of persons who actually own or control these permits. Your numbers will shrink to a smaller number of people holding most of the landings rights to this resource. Then if you were to look at this and then who own groundfish permits with any landings ability and herring I wonder what the picture would look like. I believe from what I have read consolidation has been occurring and it will continue. My concern is that in time you could end up with a few or one large corporation holding all the limited access permits. I believe in the latest authorization of Magnuson-Stevens Fishery Conservation and Management Act, National Standard 4 of Magnuson-Stevens states that if it becomes necessary to allocate or assign fishing privileges among various U.S. fishermen, it should be carried out in such a manner that no particular individual, corporation, or other entity acquires an excessive share of such privileges. While it does not actually spell out what an excessive share is it does address the consolidation and indicates that we should be sharing rights to our publicly managed marine resources.

With the conflict of interest laws in this country and other anti trust laws and I wonder whether people or corporations who hold such a majority share of the permit should be allowed to hold a voting seat on the New England Fisheries Management Council because of possible conflict of interest issues. While it would be all right for one of these large corporations to hold a voting seat if you have several of these large corporations on the council this could possibly represent some conflict of interest problems.

It is the shaping of and distribution of effort and landing abilities that makes me wonder about conflict of interest at the council level in the past. It is what was done in the past that has gotten us to where we are today.

I was appalled to learn that when a limited access vessel had used up his days as a limited access vessel he can then join the general category fleet and fish the rest of the year as a general category vessel. This allows even further consolidation of landings ability by multiple permit holders. This is one of the areas where I start to think about possible conflict of interest in past council decisions. There are other areas in fishers issues where I wonder

about conflict of interest and if it played a role. Conflict of interest may be or have been helping shape fisheries management decisions and be aiding the depletion and hindering the rebuilding of our nation valuable marine resources. I raise these issues because I see the general direction of management measures in place and new measures being proposed and it all leads to further consolidation for the big players while making it more difficult for others to continue to hold the right to fish.

General category was set up for the small boat fleet like myself who needs to have access to other fisheries to make it through the year. Weather alone will limit our days at sea. While most of those holding limited access have vessels that can stay at sea and fish in most any weather. It is my opinion that if you already have a limited access permit you should not be allowed to also hold a general category permit. Pick one not both. This should especially be the case if your corporation hold 7 limited access permits. If you hold one limited access permit and no groundfish or other limited access permits then this indicated that scallops are your business and you own one boat and you possibly could be allowed to participate in general category under general category rules but your participation could be limited in some way different than a person holding only a general category permit. You could give these boats a General Category C class permit to separate them from the rest so you know how many there are and what their landings are.

When I learned of the limited access boats using general category as well it has occurred to me that this could have a significant impact on the increased landings/effort by general category permits. This should be separated out and then we could be talking about the small boat general category fleet for New England using a 10 foot dredge or smaller and allowed to land 400# per day, which should be separate from the Mid Atlantic.

When you have addressed the issues listed above then I suggest you look at what is needed to manage effort in the General Category Scallop Fishery for New England.

I will make no further comments on Amendment 11 until these issues are addressed. When these issues are addressed then I think it could be appropriate to develop a new amendment to deal with effort in the General Category Fishery. You could look at separating A and B permit holders and closing access to the B category of the General Category permits after you have separated out those who also hold Limited Access Permits. Then The B category would represent what General Category was created for. The small boat fleet with 10ft. dredges. Possibly creating a C category permit with limited days, 400#s per day, etc. For single boat owners with single limited access permits.

There were many others at the hearing I attended in Ellsworth, Maine who said take no action and raised some of my concerns. I have gone further after listening to testimony.

Effort in the Lobster fishery has been growing and landings have been declining. This is not a good situation and there has been talk of the need to reduce effort in the lobster fishery though no action has been taken. Some of the growth in effort in the lobster fishery has come from effort reductions in other fisheries as they are being rebuilt. These fishermen have moved into the lobster fishery but they are going to be locked out of what was their primary fishery, after it is rebuilt. This is why I am bringing up this consolidation issue and the importance that resources be shared after they are rebuilt while realizing that effort needs to be managed to keep a fishery sustainable. Effort also needs to be shared in a fair and reasonable way.

Sincerely,



W. William Anderson

Subject: Scallop FMP comments
From: mwelch@jerseyshoreclammingcorp.com
Date: Wed, 30 May 2007 21:31:49 -0400
To: Scallop.Eleven@noaa.gov

My name is Michael Welch. I have been a commercial fisherman since shortly after I graduated high school in 1973. It was always my dream to own my own boat and fish for scallops. Even though I was aware of the talk of the Amendment 11 changes, I decided to take the only opportunity I could ever afford and purchased my own boat a couple of months ago. I realize that I will be out of business once the decisions are passed; however, I would like to say that I wish NMFS would have limited the access to boats from this area and not allowed boats from the south to come here to New Jersey and fish our waters. I presently am docked in Point Pleasant and it amazes me that in a situation where NMFS is realizing our waters are being over-fished that over 50% of the boats tied up at the dock are from the south -- the Carolina's to Alabama. I feel that if NMFS would not have allowed these boats to come into our waters, since they had over-fished the shrimp in their area, a person like myself may have stood a chance to continue to fish for scallops in the general category. I realize that it is probably too late after attending the meeting this evening in Manahawkin, but I wish to express my hopes that NMFS would look at removing these boats from our waters and allowing the local boats to retain their permits and continue fishing.

Thank you for your time and courtesies.

Michael D. Welch, President
Jersey Shore Clamming Corp.
F/V Annie Wilder

Deirdre Boelke

From: Scallop Comments [Scallop.Eleven@noaa.gov]
Sent: Thursday, June 07, 2007 11:24 AM
To: Deirdre Boelke
Subject: [Fwd: Super Ridiculous Bureaucracy]

----- Original Message -----
Subject: Super Ridiculous Bureaucracy
Date: Wed, 06 Jun 2007 19:46:41 -0400 (EDT)
From: CLevites@aol.com
To: Scallop.Eleven@noaa.gov

To amendment 11 council members,

I just downloaded 42 pages of unbelievable nonsense that somebody paid a lot of people to compile, complete with charts and diagrams, (Luckily no pictures) aimed solely at forcing small fishermen out of business and ending a traditional way of life for anyone who would hope to live life with a little bit more freedom than Manhattan stock broker. I mean really, were talking about a industry of General category fishermen with TAC of less that %5 on average during a control period of technological miracles. Why should big corporate boats that can fish in almost any weather condition be allowed to force people to alter their life styles and lead less romantic lives so that they can have all the catch. GREED! It's the only answer that makes sense to me. Should I, as a person that was born in one of Maine poorest regions, not be allowed to make in a year what those boats make in a trip? They should be giving some of their allotment to potential young fishermen who are from rural coastal areas that would like to follow traditional pursuits. I for one believe there should be no changes in the general category permits.

Ralph Dennison

See what's free at AOL.com <<http://www.aol.com?ncid=AOLAOF00020000000503>>.

Comment
#21

Michael Skarimbas
145 Ames Avenue
Leonia, NJ 07605

May 31, 2007

Patricia Kurkul
Regional Administrator
NMFS
1 Blackburn Drive
Gloucester, MA 01930

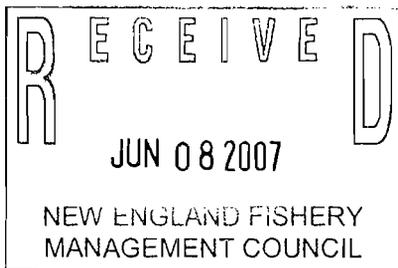
Dear Ms. Kurkul,

I would like to give my comments concerning Section 6.0 "Questions to help focus public comment on Amendment 11".

1. YES I believe capacity and mortality should be controlled.
2. I am in favor of limited entry.
3. I do not support the preferred alternatives. 1,000 lbs. over eleven years will water down the pool of permit holders so that vessels that are making 100% of their living in the general category TODAY and qualify for a permit will NOT be able to survive. 5,000 lbs over 11 years is ok, but over 5 years is more realistic.
4. A tier system is the only equitable solution.
5. Dredge only 10.6 for everyone everywhere.
6. Undecided.
7. Limited access boats fishing under a general day should come out of the limited access TAC.
8. 5% of the TAC is an unreasonably small amount. We are people with mortgages and families to feed. If a limited access fishery is to be created at the expense of many, it should be a viable one, not one that leaves us unable to sustain our families and with worthless boats and equipment.
9. See answer #8.
10. 40 lbs.
11. We all have V.M.S. Let's use them.
12. No.
13. No comment.
14. Additional comments: Speaking for myself and my crew I would like to say that the notion that this is some sort of "fill-in" or part time fishery is totally incorrect. Since giving up my groundfish permit, my vessel has made 100% of its income scalloping for the last seven years. You have the power to create a viable category with a healthy future and your abilities should not be swayed by owners of fleets of limited access vessels counting up small percentages of increase (due to our impending demise) that translates to big money for them.

Sincerely,

Capt. Mike Skarimbas
F/V Endangered Species
Montauk, NY



DENIS^{→→→} LOVOKEN
306 SUDBURY RD.
PT. PLEASANT, N.J.
08742
F.V. KAILEY ANN

* COMMENT # 22 *

DEAR MS. KURKUL,

I AM A THIRD GENERATION COMMERCIAL FISHERMEN WHO HAS FISHED OUT OF PT. PLEASANT, N.J. FOR 35 YEARS. I HAD A 70 FT WOOD VESSEL (F.V. LEAH) THAT I UPGRADED TO A 78 FT STEEL VESSEL IN 2006.

I WOULD LIKE TO COMMENT ON SOME OF THE PROPOSALS ON ADDMENTMENT II. I AM IN FAVOR OF LIMITED ENTRY TO CONTROL CAPACITY. I THINK THE ALLOCATION FOR THE GENERAL CATEGORY SHOULD BE 7-10 PERCENT WHEN LIMITED ACCESS WAS IMPLEMENTED IN 1994 ONLY 2 YRS 1988-9 WERE USED AS BASE YEARS LEAVING ALOT OF PEOPLE OUT OF THE FISHERY. I THOUGHT AT THAT TIME THE GENERAL CATEGORY FISHERY WOULD BASICALLY BE A PART TIME AND BYCATCH FISHERY WHICH I STILL THINK IT SHOULD BE.

WITH THAT IN MIND I THINK BOATS THAT HAD LANDING OF 100lbs OR MORE BEFORE THE CONTROL DATE SHOULD QUALIFY. I ALSO FEEL THAT A

FLEETWIDE HARD TAC BY QUARTER, WOULD WORK BEST. THE HARD TACS WHETHER QUARTERLY OR TRIMESTER HAVE WORKED VERY WELL IN MID-ATLANTIC FISHERIES SUCH AS FLUKE, SCUP, SQUID AND OTHERS.

WHEN I BOUGHT MY NEW BOAT REPLACING MY OLD ONE I ALSO INVESTED IN DREDGES TO GO SCALLOPING PART TIME, FIGURING MY PERMIT WOULD STILL QUALIFY, BUT NOW I AM CONCERNED ABOUT HOW THIS PLAN ENDS UP.

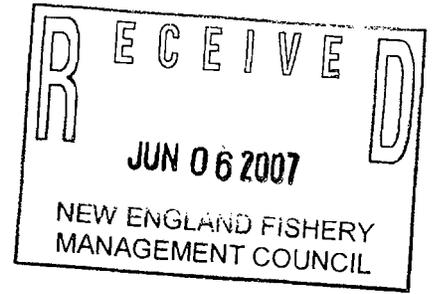
THANK YOU FOR YOUR TIME AND CONSIDERATIONS.

DENIS LOVGREN

Comment #23

Woneta M. Cloutier

From: Peter Christopher [Peter.Christopher@noaa.gov]
Sent: Monday, June 11, 2007 9:35 AM
To: Deirdre Boelke; Chris Kellogg; Woneta M. Cloutier
Subject: [Fwd: [Fwd: [Fwd: [GEN. CAT. SCALLOPERS]]]]



Comment on Amendment 11

----- Original Message -----

Subject: [Fwd: [Fwd: [GEN. CAT. SCALLOPERS]]]
Date: Mon, 11 Jun 2007 09:31:54 -0400
From: George Darcy <George.Darcy@noaa.gov>
Organization: NOAA NMFS
To: Hannah F. Goodale <Hannah.F.Goodale@noaa.gov>, Peter Christopher <Peter.Christopher@noaa.gov>

----- Original Message -----

Subject: [Fwd: [GEN. CAT. SCALLOPERS]]
Date: Wed, 06 Jun 2007 16:47:00 -0400 (EDT)
From: pirate@midmaine.com
To: Pat.Kurkul@noaa.gov
CC: George.Darcy@noaa.gov

TO WHOM IT MAY CONCERN,

AS A SCALLOPER MY WHOLE LIFE, WE'VE GONE THROUGH THE UPS AND DOWNS OF ALL THE RULES AND REGULATIONS THEY'VE THROWN AT US. WE ARE GENERAL CATEGORY, WHICH WE ACCEPTED 13 YEARS AGO INSTEAD OF GETTING THE BLACK BOX (WHICH LIMITED ACCESS LICENSES ARE WORTH UP TO \$1,000,000.) LAST YEAR THEY MADE US GET THE BLACK BOX ANYWAY, ALONG WITH A PERMANENT MONTHLY BILL TO PAY FOR BIG BROTHER TO TRACK OUR EVERY MOVE. AT THAT TIME, THEY CUT THE GEN. CAT. BOATS IN HALF, BECAUSE SOME BOATS JUST DIDN'T WANT THE AGGRAVATION. NOW WE SMALL BOATS ONLY DRAG 5-8% OF ALL TOTAL LANDINGS AND THEY ARE TRYING TO KNOCK US OUT THE REST OF THE WAY. THE TRIP BOAT (LIMITED ACCESS FISHING GEN CAT PERMIT ARE FIGURED INTO THIS NUMBER)

MY STAND IS, IF YOU GOT THE BLACK BOX, THAT'S IT. YOU SHOULD BE IN THE FISHERY THAT YOU COMMITTED TO. THERE'S PLENTY OF ROOM TO DROP LANDINGS OTHER WAYS. LIKE STOPPING THE TRIP BOATS FROM FISHING GEN. CAT. (THEY PURPOSELY USED UP THE TRIPS IN THE ELEPHANT TRUNK THIS SPRING TO KNOCK US OUT OF THE BUSINESS, OVER 1/2 THE TRIPS ALLOCATED). THE BIG TRIP BOATS ARE RUN BY PEOPLE WHO COULD CARE LESS ABOUT THE RESOURCE. OWNERS ARE NEVER ON BOARD. CREWS ARE OFTEN ILLEGAL ALIENS WHO PAY NO TAXES, OR JUNKIES. FOR THEM TO BE PICKING ON THE MINORITY FOR THEIR REDUCTIONS IS

ABSURD. WE USUALLY DON'T EVEN FISH WHERE THE BIG BOATS DO. THEY CAN'T MAKE MONEY FISHING 400# IN 24 HOURS...

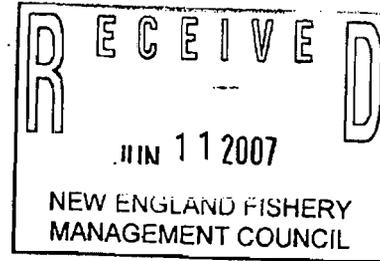
ONE MORE
THING I'D LIKE TO SAY IS I HOPE EVERYONE WHO LIKES SCALLOPS IS LUCKY ENOUGH TO EAT THE ONES CAUGHT ON THE LAST COUPLE DAYS ON THESE TRIP BOATS BECAUSE THE REST OF THEM SIT ON ICE FOR 8-10 DAYS BEFORE THEY EVEN HIT THE MARKET. ALL THE RESTAURANT SCALLOPS COME FROM DAY BOATS. I HOPE YOU CAN HELP US SINCERELY, JOHN, MARY & AJ
PS IF THIS GOES THROUGH OUR BOAT WILL BE USELESS EXCEPT FOR A CABIN CRUISER.

Comment #24

F/V RAYNA & KERSTIN

INSHORE & OFFSHORE CHARTERS, INC.

400 Wood St.
Little Egg Harbor
New Jersey, 08087
Capt.lars@verizon.net



June 8, 2007

Ms. Patricia Kurkel, Regional Administrator
National Marine Fisheries Service
1 Blackburn Drive
Gloucester, MA 01930

"COMMENTS ON SCALLOP AMENDMENT 11"

Dear Ms. Kurkel,

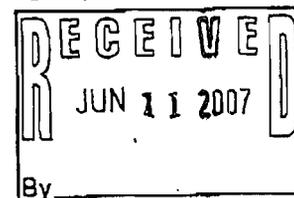
My name is Eric L. Lundvall owner/operator of the F/V Rayna & Kerstin, Barnegat Light New Jersey. My vessel is a current participant in the general category fishery and has history of participation in that fishery since 1994.

I support limited entry for the general category scallop fishery using the control date of November 1, 2004. Allocation for the general category fishery should be implemented. I support an allocation of the projected TAC at a minimum of 5%, to a more appropriate 11% of the TAC. Even with the higher general category landings of 14.09% and 12.18% in 2005 and 2006, the limited access fleet continues to prosper in the Mid-Atlantic.

Please also note that the same open bottom area off of New Jersey that some limited access scallop vessel owners say are being depleted by the general category fleet is the same open bottom area where they have produced some of their biggest trips in years. I would question who is doing the damage.

Landing criteria for qualification for limited entry should be 5,000 pounds between March 1, 2000 and the control date of November 1, 2004. This is the only alternative that would keep the pool of vessels receiving permits to a lower level to sustain a viable fishery with a TAC of 5%. The 1,000 pound, 10 year criteria would work, if there was a higher TAC in the range of 10%-11%.

After reviewing the amendment 11 scoping hearing summary for Manahawkin, NJ, I believe I was not clear or misquoted at what I stated at that hearing. I stated that I have two vessel permits that have general category history that would qualify under the preferred 1,000 pound, 10 year criteria, but only one would qualify under the 5,000 pound criteria. I then stated that I would rather see the 5,000 pound criteria used for qualification and in turn qualify for only one of my vessels. I was trying to point out how



too many qualifying participants would dissolve a fishery into a few days or pounds to make the fishery economically feasible.

I believe there should be absolutely no re-rigging clause in this amendment to qualify vessels for a permit.

The access to qualifying vessels should be allocated on a tiered system, possibly part-time and full-time. ITQ's are very complicated and would further extend the transition period. If an ITQ alternative was chosen, I believe leasing and permit stacking should go along with that alternative.

I believe limited entry provisions should include preferred alternative: 3.1.2.5.1.2. One vessel potentially qualifying more than one permit.

An interim measure of a hard 10% TAC during the implementation period would be acceptable. A TAC lower than this would hurt legitimate qualifying vessels due to boats trying to buy time through an appeal and limited access vessels that might choose to "help burn up" a interim TAC in lieu of using their DAS at the beginning of the fishing year.

I agree that a separate limited entry program for the NGOM, with an allocation derived from the overall total allowable catch.

Limited access fishing vessels meeting the same qualifying criteria as general category vessels should receive a permit to land scallops under the general category. Landings outside their DAS should come from the overall TAC.

Table 19, impacts of the general category TAC on limited access vessels (Sec. 5.4.17.4 of the DSEIS) clearly shows that if Amendment 11 allocated an 11% TAC to the general category there would be a 0% change in limited access net boat share in the full range of scallop TAC scenarios from 40 million through 70 million. In other words, the limited access fleet is doing just fine at status quo.

Unfortunately, there is a fair percentage of limited access participants who have chosen to wage a war against the general category, in an effort to eliminate it as any form of a directed fishery. They appear to have an upper hand in trying to influence this management decision; they are highly organized and have plenty of money for attorneys, lobbyists and scientists. I keep hearing the same general statement from them: "the sacrifices that we endured through the 1990's to rebuild the depleted scallop stocks and now that we rebuilt the stocks, the general category wants to reap

the benefits of our suffering." I believe good fisheries management should be credited for rebuilding the scallop stocks to what they are today not the limited access vessels that depleted the stocks in the first place.

I believe strongly, that qualifying general category vessels should be permitted to continue a full time directed general category fishery. There is now a strong seafood consumer demand for "day boat" or "sushi grade" scallops that has developed with the general category fishery. Consumers have come to know the difference between trip boat scallops and day boat scallops. There needs to be a consistent supply of these high quality day boat scallops that for the most part, the general category scallopers have been supplying.

Thank you for reviewing my comments.

Sincerely,



Eric L. Lundvall, President



Amendment 11 Scoping Hearing Summary
 Holiday Inn – Manahawkin, NJ
 May 30, 2007

Almost 30 individuals attended the public hearing in Manahawkin, NJ, and about a dozen gave oral comment. David Simpson, Chair of the Scallop Committee welcomed the audience and gave an overview of the process and purpose of the meeting. Deirdre Boelke, NEFMC staff then reviewed the public hearing document and explained the preferred alternatives the Council has identified for Amendment 11. The meeting was held from about 6:00-7:45 PM.

Overall the majority of comments at this meeting were about the allocation decision for the general category fishery. Unique to this meeting compared to other public hearings, there was general consensus and support of the preferred alternative of 5%. Several speakers argued that 5% is too high, and it is inappropriate for the Council to support an allocation that is above the historical average of this fishery, especially when limited access effort was reduced during the same time period. One general category vessel owner added that 5% is reasonable, but is only workable if the qualification criteria are more restrictive; he argued that the 1,000 pound and 11-year criteria would qualify too many vessels and no one would be able to make a living.

Measures to control capacity and mortality in the general category fishery

Very few speakers addressed this issue directly, but most that did supported limited entry alternatives. One argued that unless controls are put in place some general category vessels will just move to areas of concentrated scallops and fish them out. He explained that some of the general category vessels that used to land in Cape May, NJ have moved north to Point Pleasant because the inshore areas around Cape May have been fished out. Another explained that the limited access boats did the same thing when the resource was in bad shape – they fished out areas until there was nothing left because they did not have incentive to move. He argued that without constraints on the general category fishery aside from a possession limit, they too have little incentive to move out of less productive areas. One individual said that he is happy the Council is finally addressing the general category fishery and wished it could have been done sooner. Another added that he was around in 1994 and we should do everything we can to avoid getting in that situation again. One commenter added that this fishery as a whole has to do everything it can to prevent overfishing. He added that if this resource approaches overfishing all the “eco-friendly” markets will disappear and the price will drop having negative impacts on both fisheries. No one voiced support for the No Action alternative or a hard-TAC as a preferred strategy for controlling capacity and mortality in the general category fishery.

Qualification for limited entry

Several speakers supported more restrictive qualification criteria, specifically 5,000 pounds and the five-year timeframe of 2000-2004. They argued that the preferred alternatives for qualification would create too many permits and no one would be able to make a living, particularly if the Council was serious about the 5% allocation. One limited access vessel owner added that the preferred alternative may estimate 459 vessels now, but when it is all said and done that number is bound to go up. *One speaker added that he has two vessels that will only qualify under the 1,000 pound alternative but he supports the 5,000 pound alternative because

* my comment that I referred to, is

~~1,000 qualifies too many and there is not enough to go around for 500 vessels.~~ Another argued that the 11-year time period is just too long and another commented that he understands why the Council wants to be inclusive, but in his opinion the preferred alternatives would qualify too many. Furthermore, he supports the alternative that would index a vessels contribution based on the number of years active in the fishery.

Several commented on the access strategy for qualifying vessels. Some supported an individual allocation in trips or pounds. However, several supported a tier system arguing that an individual allocation would be overboard for this fishery. Another voiced support for a tier system if it was easier to implement, but suggested that an additional tier should be considered above the 20,000 pound tier in the document for more directed vessels (i.e. a fourth tier at 40,000 pounds and above).

Allocation of scallop TAC to the general category fishery

Several speakers noted that the general category fishery has increased as a result of controls and innovative changes in the limited access fishery such as crew limits, minimum ring size, and DAS effort controls. One argued that the limited access fishery has made sacrifices and it would be fundamentally wrong to base this allocation decision on post control date landings data. Another argued that it would be a mistake to allocate more than historical contributions; he added that the general category has experienced a bubble in the last few years and it should not be rewarded. Another added that if the Council wants the general category fishery to be more of a mom and pop operation then 2.5% is more reasonable. One speaker voiced support for 5% because that is about the level of total general category landings when the control date was put in place; he argued that would be consistent with the qualification alternatives that are through the control date.

Limited access fishing under general category

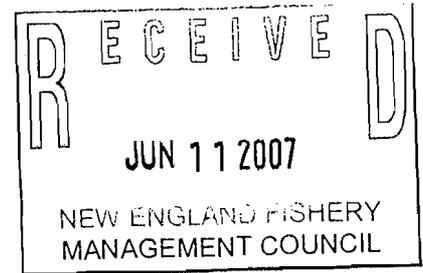
Not many speakers spoke to this issue, but most that did agree with the preferred alternative. One speaker noted that the Council is considering an allocation to the general category that is over 200% of the historical average but the 0.5% allocation for limited access vessels under general category would be over a 50% reduction, based on historical landings. Several speakers voiced that the allocation should be in line with each other, and be based on historical averages.

Interim measures for transition to limited entry

The majority of commenters spoke to this issue in disbelief that an 18-24 month transition period would be necessary; they did not understand how it would take so long or why the Council and NMFS would support continued overfishing of inshore areas. Several suggested that NMFS and the Council should be more creative about measures that can control capacity until Amendment 11 can be fully implemented. For example, it was suggested that NMFS can send out letters now requesting individuals to get their landings history in order. In addition, NMFS could identify the potential qualifiers and allocate an interim individual access (in number of trips or pounds) until the final universe of vessels is known. He added that NMFS could allocate one amount the first year, and then a higher or lower amount the following year after the final pool of qualifying vessels is known. Several argued that a derby for two years would have negative impacts, and several commented that 10% is way too high. Another suggested that based on the analysis in the document, NMFS must have a pretty good idea of who is going to qualify and it should not take 18 months. Another voiced support for the interim alternatives, but wished Amendment 11 could be implemented faster. Lastly, another commented that for the interim period the percent of access general category vessels are allocated in access areas should remain at 2%.

Comment #25

Walter Jessiman, Captain
F/V Dreamcatcher
P.O. Box 273
Cutler, Maine 04626
(207) 259-3640



April 11, 2007

National Marine Fisheries Service

Subject: Comments on Scallop Amendment 11

To Whom It May Concern,

I, Walter Jessiman, would like to register my adamant disagreement with any changes with/in the General Catch permit being currently considered.

I have attended meetings/forums at which these proposed changes were discussed and to my knowledge every local (Maine) fisherman registered strong objections to changes. Changes, as presented, would discriminate against Maine scallop fisherman and favor those from the southern region of the district.

Let me briefly present my personal issues. My lifetime dream (adult) has been the ownership of a scallop dragger. To accomplish that goal it became necessary for me to temporarily relocate to Connecticut. In 2001 I laid the keel for the vessel of my dreams. At that time I was notified that there was open access and did not need to acquire a license. As soon as the status changed I did apply and acquire necessary licensure.

Every aspect of the construction has been documented by photos and material receipts. I personally laid every weld and did the entire construction. After the boat was launched I did all of the electrical, hydraulic, and mechanical work on it.

As soon as the construction was completed I steamed the vessel to its' home port in Cutler, the place that has been home for me all during my adulthood. Since last December I have fished the boat every day the waters permitted for safe passage.

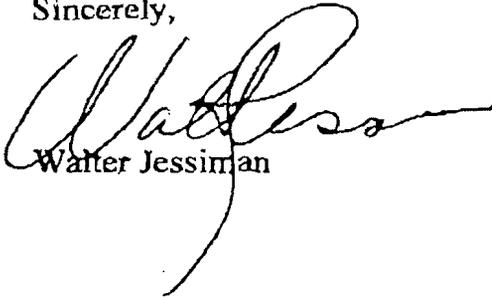
On several occasions the US Coast Guard has boarded the vessel for safety checks. On every boarding comments were made on the excellent craftsmanship and it being "state of the art" in safety and technology.

Several times during construction, and since, I asked advice regarding permit issues and was consistently informed that the construction time counted as landings and not to worry. This vessel was constructed as a scallop dragger and very impractical for any other purpose. It would be highly unfair for the rules to change after I have invested my life and resources into the boat understanding that I would be able to fish with it.

Please allow me to express another concern. Under proposed changes the fishermen of Maine would lose further control over their livelihoods. I, like most or all Maine fishermen, want to be good stewards of the marine resources.

Thank you for accepting my written comments.

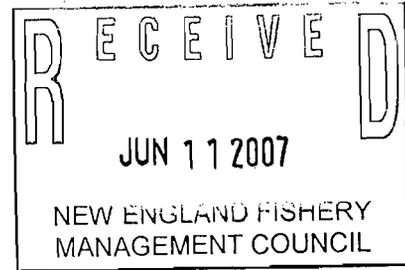
Sincerely,

A handwritten signature in cursive script, appearing to read "Walter Jessiman". The signature is written in black ink and is positioned above the printed name.

Walter Jessiman

Comment #26

F A X



1862 cutler rd
cutler, maine 04626

To: NEFMC
 Fax number: 1 978 281-9135

From: Troy Ramsdell
 Fax number:
 Business phone:
 Home phone: 207-259-7748

Date & Time: 6/9/2007 9:34:03 AM
 Pages: 1
 Re: Scallop License

Hi,

My name is Troy Ramsdell of Cutler, Me. I'm writing in response of the Amendment 11. Me and my dad had a boat in 2004 with the scallop license. The boat burt off the Cape in 2005. All doc's were on the boat so they didn't get sent in. I also had another boat that I had the license on but didn't show any landings because their were no scallops off Cutler to get. I bought a new boat to go scalloping in state and federal waters , but i was just told I would loose my license if I got it. I didn't get it because of the required VMS. I was afraid of buying it and not able to get my license and be out of \$1500. All I want to do is day trips out off Cutler Harbor. I believe something has to be done but not to keep out the people that that are still willing to work for a living.

I think for the gulf of Maine region licenses should given to people who held a license up until the upcoming decision regardless of what they had for landings or ever if they had none. It's not fair to people that gave up everything and invest all they have into scalloping to have it taken away for a few greedy fisherman. Even if you issue a 150 -200 lb day license would all we ever need. I'm not asking for the 400 lb. I think they should be some compromise for us. The 1994-2004 is rediculous. What about recent fisherman, do they sell or try sell their boat just because you wont let them work.

I've recencently heard from fisherman in other towns talking of a class action lawsuit if they don't get their license. I'm not part off this. I just want to work and pay my bills with out worrying of my license being takend away. Please make an exemption for people like us. 1. Have the license so it can't be sold. 2. Have the license whom it is given to, be on the boat that's registred to the license. So they can only have one license not multiple. Thanks for your time and efforts.

Troy Ramsdell

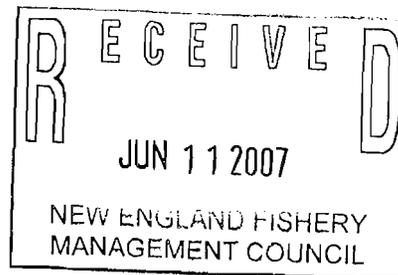
comment #27

Woneta M. Cloutier

From: Robert Maxwell
Sent: Monday, June 11, 2007 3:38 PM
To: Scallop.Eleven@noaa.gov
Subject: Comments on Scallop Amendment 11

Patricia Kurkul, Regional Administrator
 NMFS
 One Blackburn Dr.
 Gloucester, MA 01930

6/10/07



Re: Comments on Scallop Amendment 11

Thank you for the opportunity to comment on the General Category Amendment 11. My name is Robert Maxwell and I am a day scalloper and have been day scalloping full time since 2001 to date. Unfortunately the General Category is over fishing open bottom inshore beds – for this reason the control date of November 1, 2004 was implemented and should be used as it states, “control date”. It is important that Amendment 11 be completed as soon as possible and not take 2 years longer or the entire scallop fishery will suffer.

Overall Allocation & Qualification Criteria:

The control date should be mandatory! I support the allocation of **5.5% to 7%** for the time period of **2000-2004 with a qualification criteria of 5000 pounds..** Should the time period of 1994-2004 be used, the allocation should be increased to 11%. According to the DSEIS, the number of qualifying boats for the 2000-2004 time period would be 188, the lower allocations would be acceptable, however if the preferred alternative is used (1994-2004/ 1000 pounds) the number of qualifying boats would increase to 459 this would be unacceptable, as of 2004 the limited access fleet total was **323 vessels landing (59,494,630) pounds ! this is 94.5% why would we give 459 vessels only (3,272,204) pounds 5.5%** We cannot allow this to happen, please think of the fishery as a whole and what you are doing to the new participants. Do not over qualify and under allocate. !

Stacking & Consolidating:

I support stacking and consolidating of permits to the 60,000 pounds or 150 trips to be adjusted annually and be consistent with the total TAC as of 2004. This will allow flexibility in the GC fishery for those participants that do not have enough allocation to make a living. This will also allow other participants to lease and purchase as necessary. This will also make for a more efficient access fishery.

Individual Allocation

I support individual allocation based on your best year from 2000-2004, this would be the fairest way to allocate to all qualifiers (your effort would equal your history in the fishery)

Vessel upgrades

I support no upgrade restriction, if stacking and leasing is acceptable vessel upgrades etc, would not be necessary.

Interim measures

I do not support the 10% tac or it extended for 18-24 mon, 2010-FY this will make a derby style fishery.

Appeals

06/12/2007

I do not support appeals but if you have history on or before the control date **nov,1 2004** this would activate an appeal –with a 90 day qualifier window

NGOM

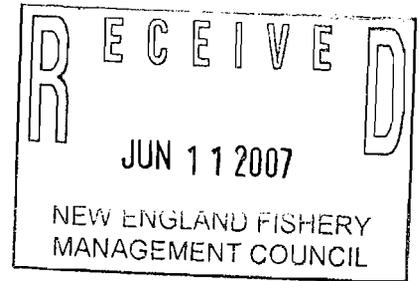
I support the Gulf of Main Exemption area 43 degree N.

Thank you,

Robert W. Maxwell
Miss Halie LLC
Debbie Sue LLC
Robert Christian LLC

Comment 28

OUELLETTE & SMITH
ATTORNEYS AT LAW AND PROCTORS IN ADMIRALTY
A Professional Association
127 EASTERN AVENUE
SUITE 1
GLOUCESTER, MASSACHUSETTS 01930



Stephen M. Ouellette*
David S. Smith*

*Also Admitted in Maine

Telephone: (978) 281-7788
Facsimile: (978) 281-4411
E-mail: fishlaw@aol.com
<http://www.fishlaw.com>
<http://www.maritimelawusa.com>

June 11, 2007

Patricia Kurkul, Regional Administrator
National Marine Fisheries Service
Northeast Regional Office
One Blackburn Drive
Gloucester, MA 01930

BY HAND AND BY EMAIL

Re: Comments on Scallop Amendment 11

Dear Ms. Kurkul:

I am submitting comments on the proposed Scallop Amendment 11 on behalf of general category vessels fishing from the Barnegat Light, New Jersey area. My clients are supportive of the proposed Amendment and options implementing a limited access program with individual allocation, in trips or pounds, based on a vessel's landings in its best year from 2000 to 2004. We encourage adoption of such a plan as soon as possible, and make suggestions to streamline the process.

Recent growth in the General Category Scallop Fishery has obviously placed new stresses on the scallop stocks, particularly within inshore areas, and my clients recognize the need for implementation of new conservation measures, including limited access to slow growth in the fishery and protection of the resource. At the same time, measures should be designed to protect the nature of the General Category fishery, taking into account developments leading up to the control date. Entrants into the general category fishery prior to the 2004 control date did so with the expectation they could continue to fish in an open access fishery. As such, we believe that the best approach to the issue is to start with an assessment of the fishery as it existed leading up to the control date of November 2004, and to establish an allocation and rules that essentially allow fishermen participating at that time the opportunity to continue fishing. Some consideration should be given to the potential for reductions in effort based on stock considerations, particularly if measures are implemented in inshore areas to protect local concentrations of scallops.

Vision of General Category Fleet

The General Category encompasses a wide variety of vessels, fishing at greatly differing levels depending on their participation in other fisheries. Most General Category participants are

OUELLETTE & SMITH

Patricia Kurkul, Regional Administrator
June 11, 2007

--2-

smaller vessels, and are thus able to operate profitably on as little as 400 pounds per day, as a primary species, or as a supplemental seasonal component of their overall fishing activity. My clients seek preservation of this diverse fleet and this level of fishing, through adoption of a plan based on individual fishing history as the best means of preserving the fleet as close to its present form as possible. This also includes allowance for vessels with a history of landing scallops as a bycatch to continue to do so. My clients are not supportive of a plan that simply results in another small sub-category of the limited access fleet by limiting entry to very few vessels through initial allocation or eventual consolidation.

Limited Access Vessels Outside of Scallop DAS

Limited Access vessels fishing with a fishing history outside of their scallop DAS should also be given individual allocations to do so. A number of vessels, particularly occasional and part-time vessels, rely on the open access days as an important component of their income. Some full-time boats use this open access as a means of maintaining crews, by affording some fishing opportunity when limited access vessels would otherwise be tied up. These vessels should be permitted to continue these practices in accordance with their individual history. As noted below, landings for the limited access vessels should be charged against the limited access vessels' allocation of the total TAC.

Limited Entry

There is no question that the general category fleet needs to be governed by a limited entry strategy. Continued growth after the control date has placed an extreme burden on the stock, and traditional general category fishermen are now faced with declining catch rates, making profitability elusive. Leaving the sector open will force either more restrictive trip limits, thereby eliminating profitability, or require hard TAC's, with resulting derby style fishing. Neither option is acceptable. We recommend adoption of a limited access system based on individual vessel's participation in the fishery in the years leading up to the control date.

The issue of minimum qualification criteria depends on the manner in which allocations to vessels are made. We strongly urge individual allocation based on the best year between 2000 and 2004, while granting some additional weight for vessels that have more time in the fishery. If trips are to be allocated on an individual basis, then there needs to be no threshold qualification-any vessel with landings prior to the control date will qualify, however its allocation will be based on its activity. By adopting a "best year" strategy in the 2000-2004 time frame, vessels will be able to participate in the fishery at the highest level they had achieved prior to the control date, with the General Category using about 5% of the total scallop TAC.

OUELLETTE & SMITH

Patricia Kurkul, Regional Administrator
June 11, 2007

--3-

-

Percentage of TAC to Allocate to the General Category

We urge the adoption of then allocating 5-7% of the total scallop allocation for the general category. The intent of the allocation is to allow vessels to continue at the level they achieved in their highest year from 2000 to 2004. Since it is generally assumed that most vessels had their best year in 2004, and the General Category landed approximately 5% of the total TAC in 2004, this percentage should allow the general category to achieve this level in years when the TAC is also at that level. Any extension of the qualifying period, however, without an increase in allocation for the overall General Category would most likely result in a downward adjustment for all individual allocations, and as such would require a larger General Category allocation to sustain vessels at that level they had reached prior to the control date. As such, if the Council extends the qualification period to a period earlier than 2000, more of the quota should be allocated to the General Category to account for the additional vessels that will qualify.

The TAC attributable to Limited Access vessels fishing outside of their scallop DAS allocation, and any bycatch, should be charged to the limited access TAC, or should be an additional quota that does not diminish the allocation of TAC to the General Category.

Qualifying Period

My clients support implementation of the limited access program for General Category vessels based on a vessel's fishing activity prior to the control date. The period of 2000-2004 reflects recent history and identifies those currently invested and participating in the fishery. Since activity in those years was increasing, it is difficult to imagine vessels that would benefit more from earlier years, but the potential exists to activate effort that is truly dormant. Activation of this latent effort, again, would either reduce opportunity for current participants, or require a higher allocation of quota to the General Category. For these reasons, we recommend limitation of the qualification period to the 2000-2004 time frame.

Minimum Qualification Criteria

We urge the adoption of a minimum qualification criterion of 2500 pounds, in conjunction with an individual allocation strategy. Vessels that fish only a few trips per year, based on seasonal access and rely on participation in other fisheries should be allowed to continue to do so. Thus, vessels that have only a few hundred pounds landed should qualify for a permit, and should be able to lease or acquire access if abundances in their region support limited

OUELLETTE & SMITH

Patricia Kurkul, Regional Administrator

June 11, 2007

--4-

-

participation in the fishery at another time. If the Council adopts a tiered system, or a means of allocation access other than individual allocation based on individual fishing history, then a minimum qualification of 5,000 pounds should be used to limit entry.

Best Year and Individual Allocation Strategy

Since my clients desire to preserve the General category as it had come to exist through 2004, we recommend adoption of individual allocations based on individual fishing activity. This best allows vessels to continue to fish at levels they have become accustomed to. The concepts of tiered allocations present significant problems for full-time participants, who would most likely see their effort reduced to a mean or average. Vessels with more history would see a reduction in opportunity, while vessels with less history would receive a windfall at the expense of those with a longer participation in the fishery. My clients strongly believe allocations should be reflective of individual fishing activity, and that this best preserves the nature of the General Category fishery and avoids the potential for negative impact on larger producers. Individual allocation offers the best chance of each vessel's survival under the new Amendment, as if 5% or more of the quota is allocated to the General Category, these vessels will most likely continue to have the access they have become accustomed to, at least through the control date. If additional effort reductions are required, leasing or transfer of access offers vessels the opportunity to remain viable.

Because of the broad variations in fishing activity among the diverse sectors of the general category, we strongly urge adoption of an individual allocation system, based on pounds or trips landed, so that vessels' allocation will reflect their activity.

Extension of Qualifying Period

My clients oppose extending the qualification period to the pre-2000 fishing years. Most vessels dependent on the fishery would have had sufficient activity in the 2000 to 2004 time frame to qualify to fish at a sustainable level. A longer qualification period creates the danger that dormant permits may be resurrected and result in an increase in potential permits. This will effectively dilute any allocation of TAC to the point that vessels dependent on the fishery for some or all of their income, can no longer survive without buying out the latent effort.

If the qualification period is extended, the TAC allocated to the General Category should be increased to account for the additional qualifying vessel. Additionally, a recent history requirement should be added, so that individuals who sold vessels and who did not replace them,

OUELLETTE & SMITH

Patricia Kurkul, Regional Administrator

June 11, 2007

--5-

-

can not now seek to speculatively activate latent effort, to the detriment of active participants in the General Category fishery.

Effort Control

Landings in the new limited access category should still be controlled through the same 400 pound landing limit, with no additional limits on gear, vessel size, etc. With an individual allocation in pounds or trips, the manner in or speed at which scallops are harvested or shucked is inconsequential. Vessels engaged in multiple fisheries will remain bound by any upgrade restrictions on their other permits. We discourage developments that will allow landings of multiple trip limits, as this essentially changes the character of the fishery.

We are aware that a small number of General Category vessels target scallops using trawl gear, either as a directed fishery, or as a bycatch fishery, while using multispecies DAS. This activity is already limited by the use of DAS, and we see no reason why it cannot continue.

Vessels should be afforded some time to determine whether they can safely complete a trip, and should be allowed to terminate a trip, before crossing back over the demarcation line, without any scallops on board. In such event, the vessel should not be charged for that trip.

Transferability

Since there will likely be some reduction in each vessel's fishing activity based on the proposed allocation, and future TACs, vessels should be permitted to consolidate their DAS and to lease them to account for reductions based on stock fluctuations, but not to create a new, lesser, category of limited access vessels. Vessels should be governed by daily limits of 400 pounds, subject to possible adjustment when the TAC increases.

Gulf of Maine Exemption

My clients do not oppose the effort to maintain open access in the Gulf of Maine. If this can be accomplished, however, the rationale for extending qualification to the early 1990's disappears. If the Gulf of Maine exemption is approved, the qualification period for General Category vessels should be limited to the 2000-2004 time frame.

Effect of Retention of Permit History

OUELLETTE & SMITH

Patricia Kurkul, Regional Administrator

June 11, 2007

--6-

-

We support the proposed measures that allow vessel owners who retain and utilize fishing history, even where they have transferred their vessels with other limited access permits-a position directly contrary to the limitations in the recently amended herring FMP. Contrary to statements in the herring FMP documents, vessel owners have never been advised that open access history remained inextricably attached to limited access fishing and permit history. NMFS regulations expressly provide that only "limited access" permits may not be split, and NMFS vessel replacement forms only provide for transfer of limited access permit history. Vessel owners have long believed that they could retain open access history upon sale of a vessel to apply for any future limited access permit. As such, we urge adoption of an explicit provision that sellers of vessel who retained their history be allowed to qualify a replacement vessel. If a Seller did not acquire a replacement vessel, then he should be given a confirmation of permit history. Retention of such history should be limited to history accrued in the years 2000-2004.

Implementation should be accelerated

We were disappointed to hear that NMFS believes implementation of a limited access plan for the General Category may take as long as two years following adoption of the Amendment. We strongly urge NMFS to impose the plan as soon as possible. Current permit holders should be advised to review their NMFS landings history to determine if they will pre-qualify for a limited access general category permit, and begin to gather their own records and confirm that their landings were properly reported by dealers. Vessels that do not pre-qualify, or contest an individual allocation, should be denied permits, or limited to landings based on NMFS' records, unless and until permit holders present actual landings records to NMFS, along with a verification that the information is accurate to the best of their knowledge and belief. Such vessels should then be given a Letter of Authorization to fish to the level justified by the proffered materials. This will prevent vessels from fishing based on a groundless appeal.

Conclusion

We thank the Council, Council staff, PDT, NMFS, advisors and industry participants for the hard work in putting together the proposed Amendment. We believe that through adoption of a limited access program, based on individual allocation, with sufficient quota, the General Category can remain a viable fishery, both for its full time participants, and for those who rely on it as a component of their fishing effort, with adequate protection of the resource, and without unfairly impacting the current limited access participants. We thank you for the opportunity to comment on the proposed Amendment.

OUELLETTE & SMITH

Patricia Kurkul, Regional Administrator
June 11, 2007

--7-

-

Very truly yours,

/s/ Stephen M. Ouellette
Stephen M. Ouellette

Comments submitted on behalf of:

Rebait Commercial Fishing, Inc.
Miss Halie, LLC
F/V SNOOPY II
Sea Dog Commercial Fishing, Inc.
Salty Knight
Brewster Fishing
F/V RESOLUTE, Inc.
F/V RETRIEVER
Coppa-Setic, LLC
H&H Fisheries-Blair Hansen
Native Sun
F/V CASSIAR
F/V PRETTY LLADY
Gipper Seafood
Island Blue, Inc.
Inshore and Offshore Charters, Inc.
Fishing Vessel Vivian, III, Inc.
Rebait Commercial Fishing, Inc.
Mandy Ness, LLC
Robert Christian, LLC
KJK Fishing, LLC

Comment # 29

KELLEY DRYE & WARREN LLP

A LIMITED LIABILITY PARTNERSHIP

3050 K. STREET, N.W.

SUITE 400

WASHINGTON, D.C. 20007

(202) 342-8400

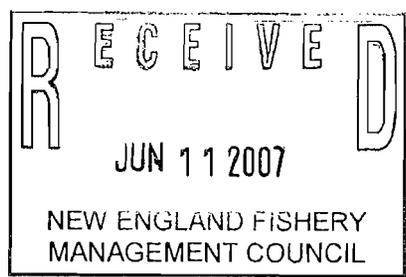
NEW YORK, NY
TYSONS CORNER, VA
CHICAGO, IL
STAMFORD, CT
PARSIPPANY, NJ
BRUSSELS, BELGIUM

FACSIMILE
(202) 342-8451
www.kelleydrye.com

DIRECT LINE: (202) 342-8648
EMAIL: dfrulla@kelleydrye.com

AFFILIATE OFFICES
MUMBAI, INDIA

June 11, 2007



VIA ELECTRONIC MAIL

Patricia Kurkul, Regional Administrator
National Marine Fisheries Service
Northeast Regional Office
1 Blackburn Drive
Gloucester, MA 01930

Re: Comments on Scallop Amendment 11

Dear Regional Administrator Kurkul:

We represent the Fisheries Survival Fund ("FSF"), which is comprised of the bulk of the limited access full time scallop fleet. The FSF has a critical interest in Amendment 11 and we appreciate the opportunity to provide public comment.

Consistent with Amendment 11's Vision Statement, the Fisheries Survival Fund has always recognized a discrete, historical, in-shore, small vessel, day-boat fishery along the New England coast, as well as that scallops were caught incidentally in other fisheries. The fishery was prosecuted from existing vessels and generally seasonally.

FSF continues to support the Amendment 11 Vision Statement, and the alternatives for Amendment 11 that promote the Vision Statement. Almost all of the preferred alternatives the Council has selected for Amendment 11 support the Vision Statement.

Executive Summary

The Public Hearing Document ("PHD") Amendment 11 Vision Statement summary states, among others, "Amendment 11's overall intent is to ... maintain the diverse nature and flexibility within this component of the scallop fleet, and preserve the ability for vessels to participate at various levels. The Councils' vision for the general category fishery ... is a fleet made up of relatively small vessels, with possession limits to maintain the historical character of

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Two

this fleet and provide opportunities to various participants including vessels from smaller coastal communities.” PHD, at 1.

The Vision Statement can best be realized with a five percent allocation, and other long-term problems with creating a limited access sector (such as latent effort and disproportionate shares) can be avoided. Such a five percent share may be most effectively divided among General Category qualifiers under the Vision Statement if: (1) the control date is maintained; (2) directed day boat scallopers landing over 5,000 pounds in their best year are provided with allocations limiting them to 400-pound trips; (3) a “contribution factor” should be used to recognize multi-year participation during the qualifying period (Alternative 3.1.2.3.2); (4) General Category fishery qualifiers landing between 1,000-4,999 pounds in their best year (most likely these are incidental catches) are limited to 200-pound trips under Alternative 3.1.2.4.2; (5) General Category qualifiers directing on scallops with a net should have a reduced possession limit of 250 or 300 pounds so as to equalize mortality in recognition that scallop trawls demonstrably catch smaller scallops (Alternatives 3.1.2.6.3.1; 3.1.2.6.3.2); (6) provision of “dredge-only” permits for vessels qualifying and fishing with dredges during the qualifying period (Alternative 3.1.2.6.2); (7) the Consistency Amendment should be maintained and only one permit should qualify per vessel (Alternative 3.1.2.5.1.1); (8) illegal and unrecorded landings should not count toward qualifications or allocations; and (9) a Northern Gulf of Maine exemption area makes far more sense for that very episodic fishery than an additional overall allocation of scallops, especially in terms of not creating latent effort.

Responses to Questions in Public Hearing Document

Do you agree that capacity and mortality in the general category fishery should be controlled?

Yes. FSF supports a General Category limited access regime, but not one that is set up to favor new entrants to the fishery who have turned to directed scalloping in recent years as a full-time pursuit, often because of conservation problems in their main fisheries. Accordingly, the Council should create a new limited access dayboat permit that would be allowed to prosecute the in-shore scallop fishery at no more than 400 pounds per day. The 400-pound limit should apply whether allocations are made in trips or pounds.

If limited entry is adopted, which qualification alternatives would you support and why? Do you support the preferred alternatives for qualification: 1,000 pounds and 11-year time period for qualification?

First, the Council should apply the November 1, 2004, control date.

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Three

Second, FSF understands the Council's preference, so far, to include a wide range of participants via the 1994-2004 qualifying period and the 1,000 pound catch standard. That choice is consistent with the Vision Statement's goal to maintain a diverse fishery, but it would qualify a relatively large number of vessels (459). It is important to recognize that increasing the landing criterion to 5,000 pounds could substantially reduce the number of qualifiers (from 459 to 203). (Public Hearing Document ("PHD") Table 11.) However, increasing the poundage threshold would narrow the types of General Category participants post-Amendment 11 to directed dayboat operators, many of whom are late entrants into the fishery.

FSF notes two two important issues with such a large qualifying pool of 11 years and 1000 pounds. First, in general, allocations to individual qualifiers will be somewhat reduced. That said, the Council's preferred alternatives, including individual allocations, will mitigate the impact of these reductions considerably for "highliners." Indeed, Table 17 of the Public Hearing Document explains that, with a 50 million pound overall total allowable catch and the preferred 5% allocation, the average "highliner" (that is, a vessel landing over 20,000 pounds in any year¹), would be allocated approximately 20,500 pounds or 51 400-pound trips. Significantly, moreover, this figure represents an average, which will increase for both: (1) above-average qualifiers in the 20,000 pound-plus segment; and (2) those who had these levels of landings in several years. Under the Council's preferred alternative, vessels with scallop landings in four or more years during the qualifying period will see their individual allocation increased using a "contribution factor" (Alternative 3.1.2.3.2). Further, on June 6, the Scallop Committee opted to allocate opportunity in pounds (subject to a 400-pound per day cap), rather than trips, which will further ensure that complete allocations are available to qualifiers.² Finally, Amendment 11

¹ This contingent of "highliners" has been, understandably, well-represented in the Amendment 11 development process (including among the General Category Advisors), but they are not a large group. Only 37 General Category participants landed over 20,000 pounds of scallops in the control date year of 2004. This number of "highliners" was 23 in 2003, only 9 in 2002, and 19 in 2001. (PHD Table 7.) Certain of them were present, in particular, at the Hyannis public hearing.

² FSF had advocated for Alternative 3.1.2.4.2, which would provide for a lower landing limit (perhaps a 200-pound trip limit) for a tier of qualifiers between 1,000 and 5,000 pounds. In any year, the General Category fishery is about evenly split between those landing over and under 5,000 pounds. In 2004, 114 vessels landed over 5,000 pounds, and 109 vessels landed between 1,000 and 4,999 pounds. In 2003, 71 vessels landed over 5,000 pounds, while 58 landed between 1,000 and 4,999 pounds. In 2002, 55 vessels landed over 5,000 pounds, while 72 landed between 1,000 and 4,999 pounds. In 2001, 60 vessels landed over 5,000 pounds, while 45 landed between 1,000 and 4,999 pounds. (PHD Table 7.) As would a poundage-based allocation system, a tiered system would help these lower level qualifiers better utilize their allocation. More specifically, most such lower-level participants likely landed scallops incidental to other directed fishing operations. A lower daily limit would allow them to spread out their individual allocations over more trips, particularly if the Council selects allocations in trips,

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Four

would improve the prospects for any directed Cape-based General Category participants by allocating most of the General Category permits to New England, although the large majority of recent landings are from the Mid-Atlantic. *See* footnote 3, within.

Second, and perhaps more importantly, coupling a large group of qualifiers with individual allocations presents the risk of creating significant latent effort. The Public Hearing Document shows the General Category to include many very episodic participants. In fact, of the 459 estimated qualifiers under the 1994-2004/1,000-pound option, only 234 (or roughly half) of the qualifiers had any recorded scallop landings at all in 2005, the year after the control date. (PHD Table 11.) If the preferred alternative of individual allocations is chosen, then there is a strong likelihood that up to half of the General Category quota could go unused by these episodic participants. This would be a huge loss of sustainable scallop yield—yield that the Limited Access fleet would fish each year, because scallops are their fishery, and dependently so, ever since Amendment 4.

In fact, the Scallop Committee and Council will need to be careful not to end up creating the same kind of latent effort that plagues the groundfish fishery, via significant, permanent, individualized allocations of scallops to vessels that will not regularly harvest them. Thus, if the Council does opt for individual allocations, it should not allocate a disproportionate share of the overall resource (that is, any more than 5% to the General Category).

The potential for such latent effort from a disproportionate overall allocation is even more evident when potential Maine qualifiers are considered. According to the Public Hearing Document, 130 Maine vessels would qualify under 11-year timeframe, but only about half that number, or 70, would qualify under a 5-year period. Put differently, 60 projected Maine qualifiers under the preferred alternatives have not landed even 1,000 pounds of scallops in any qualifying year since 1999, but they would get a dedicated, individual allocation of scallops under the Council's preferred alternatives. (PHD Table 13.)³

("continued")

rather than pounds. Such an approach could also work well with poundage-based allocations, to help ensure that incidental scallop fishing permits are not used for directed activity, for instance, if stacking and leasing is ultimately allowed. Further, such a tiered approach is consistent with Amendment 4. That amendment specifically stated that, if the General Category grew, the Council should reduce the General Category trip limit, as opposed to re-doing the allocation of the fishery established in Amendment 4. *See* Amendment 4, at 30.

³ To provide some scale, the Public Hearing Document projects that 310 of 459 qualifiers (or about 32% overall), under the preferred approach will be from New England. (PHD Table 13.) By contrast, in recent years, about 70% of General Category landings have come from the Mid-Atlantic. (PHD Table 10.) Of the 310 projected New England qualifiers, 130 are from Maine, 168 are from Massachusetts and New Hampshire, but only 12 are from Connecticut and

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Five

In order to maintain a reasonable number of qualifiers, the Council may wish to reconsider its preferred alternative of allowing landings from one vessel to qualify for more than one permit (Alternative 3.1.2.5.1.1).

Finally, FSF strongly believes that unrecorded landings should not be permitted to count towards qualifying. Nor should illegal landings be permitted to count towards qualifying.

**How should access be allocated to qualifying vessels if limited entry is adopted?
Do you support the preferred alternative for individual allocation in number of trips?**

FSF has supported allocations based in trips, as opposed to pounds. As explained above, the Scallop Committee voted on June 6 to change its recommendation to a poundage-based allocation system to ensure maximum flexibility for vessels to catch their respective allocations, without recourse to broken trip provisions or tiering of trip limits. FSF participants, like Council members themselves, have mixed views about ITQs.

However, FSF's participants all agree that, if the Council does opt to allocate the fishery by pounds, then it must also maintain the 400-pound trip limit. The Council staff's summaries of the public hearings reveal that many General Category participants favored maintaining the 400-pound daily limit even if allocations are in pounds. The 400-pound limit's maintenance will help ensure that individual General Category allocations are not consolidated onto a new group of directed off-shore trip boats—a result that FSF strongly opposes. The Amendment 11 Vision Statement likewise states that, "The Councils' vision . . . is a fleet made up of small vessels, with possession limits to maintain the historical character of this fleet and provide opportunities to various participants including vessels from smaller coastal communities." (PHD at 1.)

Do you believe any of the additional permit provisions or additional alternatives under a limited entry program should be adopted?

For the reasons set forth directly above, Amendment 11 should not allow, through stacking, the creation of sectors or other forms of consolidation, for the grouping of poundage onto larger vessels capable of and planning to fish offshore. Maintaining a maximum trip limit of 400 pounds per day should ensure that the character of the fleet is not changed.

("continued")

Rhode Island. And, regarding the Mid-Atlantic's 149 qualifiers, 88 are from New York and New Jersey, and 61 are from other Mid-Atlantic states. (PHD Table 13.)

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Six

FSF understands that certain directed General Category fishermen would like to stack trips on their vessels to seek to reasonably maintain their operations. In support of these wishes, the preferred alternatives in the Public Hearing Document allow for a substantial amount of consolidation of individual allocations. The Public Hearing Document sets a range of 1-5% of the overall allocation as a cap on the amount of total permits that one vessel could own. While the percentage chosen may depend on the number of permits that ultimately qualify, a cap at 5% would allow for a fairly significant concentration of ownership, especially in light of the Amendment 11 Vision Statement to maintain a diverse General Category fleet.

Do you agree that a separate system should be adopted to manage the general category fishery in the Northern Gulf of Maine (NGOM)?

Yes, to the extent that the NGOM exemption area program would create a partially separate system. (However, under the preferred alternative, landings limits are somewhat integrated for those who might participate inside and outside an NGOM program.) As explained above, the fishery in Maine is very episodic. Individual allocations to vessels that have not landed over 1,000 pounds of scallops during the 1999-2004 period (that is, 60 of the 130 Maine qualifiers), will create significant latent effort. The potential for such latent effort is especially high in the NGOM, where the scallop abundance is very uneven from year to year. Moreover, many of the participants in the Ellsworth public hearing wanted to remain in the scallop fishery but had not had 1,000 pounds of landings in any year, even during the 11-year qualifying period, with some claiming an interest in the fishery, but stating they had not landed scallops since the 1980's.

Do you support the preferred alternative to implement a separate limited entry for general category fishing in the NGOM?

FSF supports the creation of an NGOM exempted area north of 42° 20'. Creation of such an exempted area should accommodate concerns expressed by vessels fishing in the Gulf of Maine about being excluded from fishing for scallops because of the episodic nature of Gulf of Maine scallop abundance. FSF is not particularly troubled if the NGOM allows qualification at 100 pounds of landings in that area, provided that: (1) such low level qualifiers are not permitted to fish outside the NGOM area unless they meet the general 1,000 (or 5,000) pound qualification criterion for the Amendment 11 fishery as a whole; (2) this NGOM exempted area is and should be confined to an area outside the surveyed area for the Atlantic scallop resource currently managed under the FMP, so that mortality from the NGOM area can be accounted for separately; and (3) landings from the NGOM are not counted in a way that would require a change in the overall allocation of the coast-wide resource from the Council's preferred 5% allocation to the Amendment 11 General Category fishery. Creation of an NGOM exempted area would better accommodate certain professed historic (but clearly episodic) fishing interests than a disproportionate allocation of the overall total allowable catch.

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Seven

Finally, in this regard, FSF is troubled by the comments from the Regional Administrator regarding the proposed NGOM management area. Contrary to the assertions of NMFS, the NGOM management area is consistent with the conservation of the scallop resource. The scallops in the NGOM are considered a separate stock from the scallops managed under Amendment 11. Under the NGOM exemption area approach, this separate stock would be managed under a separate regime with a hard TAC and limited entry. The NGOM would be analogous to a special access area, which is commonplace in current scallop management. The State of Maine has stated that it will continue its effort to survey the scallop resource in the NGOM, and this survey can be used to set TAC levels consistent with conservation standards.

Should the current privilege for limited access vessels to fish under general category rules change as a result of Amendment 11?

Do you support the preferred alternative to allow limited access vessels to fish under general category only if they qualify under the same criteria?

Yes, to both questions. FSF believes Limited Access vessels should be able to participate in the post-Amendment 11 General Category fishery to the extent that they qualify to do so. Their allocation should be limited to their historical share as well.

Do you support an allocation of a percentage of the total projected annual scallop catch to the general category fishery?

Yes.

Do you support the preferred alternative to allocate 5% of the total projected annual scallop catch to the general category fishery?

Yes, Amendment 11 should not fundamentally reallocate the scallop fishery. The new General Category limited access program (not including current Limited Access vessels that might qualify or incidental landings) should be allocated no more than 5%. In 2004, the year of the Amendment 11 control date, these landings were 5.26%. In 2004, scallops were abundant and General Category effort wide-spread.

An allocation above five percent would represent a windfall and would credit overfishing by the post-control date fleet to the historical General Category fleet. Such a result is not only unjustifiable as a matter of policy, but defeats the purpose of establishing the control date in the first place. Notably, many General Category participants at the public hearings, especially the directed New Jersey fleet that participated at the Manahawkin public hearing, support the 5% overall allocation.

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Eight

Certain participants in the modestly-sized (*see* comments at page 3, above) directed day boat fishery contingent from New England have been steering the Amendment 11 process toward individual allocations so they can maximize their personal shares.⁴ Significantly, however, especially if the Council chooses to accede to the requests for individual allocations, the overall General Category allocation should not exceed 5%. As explained above, an allocation of greater than 5%, when coupled with an individual allocation system, would create significant amounts of latent effort and unused optimal yield. (According to PHD Table 11, of the 459 estimated qualifiers, only 234 had any recorded scallop landings in 2005, the year of the General Category fishery explosion and the year after the control date.)

Further, the General Category should maintain its historical character and share of the fishery, as the Amendment 11 Vision Statement prescribes. From 1994-2004, the eleven-year qualifying period selected by the Council as a preferred alternative, General Category landings by non-Limited Access vessels averaged 1.96%. For instance, in 1999, landings by non-Limited Access vessels were 0.71%, and in 2001, they were 2.69%. The 1994-2004 time period includes periods of high and low scallop abundance, as well as different points in the abundance cycle for a range of other New England and Mid-Atlantic fisheries. (Even adding in 2005 and 2006, General Category landings by non-Limited Access vessels averaged 3.68%.) The Council's preferred 5% allocation alternative thus represents a 255% increase over average 1994-2004 landings.

Finally, reallocation of the fishery via a disproportionate allocation would not be consistent with Amendment 4. Amendment 4's primary purpose was to include essentially the entire scallop fishery so that it would be easier to control fishing mortality. Amendment 4, at 13. The Council created the General Category in Amendment 4 as a compromise to allow some modest scallop landings for those vessels which could not meet these limited standards, did not or could not document their landings history, or otherwise decided not to accept the burdens of a scallop limited access permit, including limited opportunities to participate in other fisheries.

⁴ Some in their number have been claiming, in the public hearings and at the Scallop Committee, that the General Category needs an average of 4.0 million pounds to be "satisfied." An allocation at that level would provide every qualifier with virtually his or her best year as a dedicated allocation, notwithstanding the episodic nature of most of the General Category fishery. (*See* PHD Table 11, which reports "total best year landings" for preferred option qualifiers as 4,187,916 pounds.) It is worth noting in this regard that individual allocations will ensure they maximize their shares (*see* PHD Table 17, and FSF's discussion of this table, above) and that Amendment 11 will allocate 70% of the permits to New England, even though its participants have only amounted to 30% of the fishery in recent years.

Patricia Kurkul, Regional Administrator

June 11, 2007

Page Nine

For its part, the Limited Access fishery provides thousands of jobs at sea, as well as many more in processing, marketing, and other shore-side businesses in communities from New Hampshire to North Carolina. These businesses chose to invest in and rely on the scallop fishery during lean times. Those who opted to participate in the Limited Access fishery have made conservation sacrifices, invested in organized activity and cooperative research, participated constructively in the management process, and advocated for new and creative regulatory approaches, such as area management, that have rebuilt and helped sustain the scallop resource. All scallop fishermen, including those in the General Category, have benefited.⁵

It would be bad resource management, horrible precedent for the Council, and unfair to fundamentally reallocate the scallop fishery based on post-control date landings from a time when the scallop resource was at its high point. Moreover, in recent years, Limited Access effort has been substantially cut back by regulation, but the General Category effort has increased in the absence of regulation.

Do you support an allocation of a percentage of the available yellowtail flounder bycatch TAC for access areas to the general category fishery equivalent to the percentage of scallop catch that may be allocated to the general category fishery?

FSF agrees that the General Category should receive a dedicated allocation of yellowtail flounder for their access area trips. Any yellowtail access area allocation for the General Category should match the allocation of scallops that the General Category receives for each such access area, rather than being based on the overall allocation of the scallop resource fishery-wide. Amendment 11 does not set an overall scallop allocation to the General Category for every subsequent access area program. Thus, it is not appropriate to set a one-size-fits-all yellowtail flounder access area allocation for each access area program. Instead, the yellowtail access area allocation and scallop access areas allocations should match.

⁵ Further, the full-time Limited Access fleet has grown by over fifty permits since the late 1990's. Opportunity has been expanded in two ways. First, latent permits have been activated. Second, part-time vessels using a single 10-1/2 foot dredge have been able to upgrade to full-time. With high levels of scallop abundance, and in trip limit-based access areas, these upgraded permits are very valuable. Notably, moreover, Amendment 4 created this upgrade provision for "Gulf of Maine fishermen [who] commented that their historical practice of scalloping in state waters and occasionally at Fippennies Ledge and Georges Bank with smaller dredges was not taken into account." Amendment 4, at 4. This is yet another way Gulf of Maine fishermen have already been accommodated through the existing program.

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Ten

How should incidental catch be addressed in Amendment 11?

FSF does not, in theory, oppose allowing vessels landing scallops during 1994-2004, but not meeting the landing criteria, to be allowed 40 pounds of scallops for sale, to accommodate historical fishing patterns and prevent discarding of scallops in directed fishing for other species. However, the Scallop Committee did correctly recognize that such a result would create a new permit regime for only a small amount of scallops per vessel.

Do you support any of the alternatives in Amendment 11 related to better and more timely integrations of recent data into the management process?

FSF reiterates its participants' long-standing opposition to changing the long-standing fishing year, upon which they have based their business plans and operations. The current fishing year matches well with the best scallop yields, with fishing commencing in the spring. Amendment 10 likewise seeks to maximize yield per scallop recruit. In addition, scallop inventory management and marketing have been set up over the past fifteen years to have fishing concentrate in the spring and summer when the season starts, and weather and yields are good. These successful business models should not lightly be discarded.

Significantly, moreover, new surveys are being designed for the scallop fishery that might better match the current fishing year, to the extent that there is a concern by managers. The Council should not change the fishing year, only to have to change it back (or again) to accommodate the new survey.

Do you support any of the "other measures" included in Amendment 11 (i.e. trawl sweep alternative and increased possession limit seaward of the demarcation line)?

In line with Amendment 10, the Council should factor in gear selectivity in setting qualification and participation standards under Amendment 11. Scallop netting is demonstrably less selective than scallop dredging. Further, increased possession limits present the opportunity for deck-loading and discard mortality if too many scallops are deck-loaded.

Do you have any other comments for the Council to be aware of when considering final action for Amendment 11?

NMFS should work quickly to implement Amendment 11. It should not take two years to implement a limited access regime. It only took months for Amendment 4, and the records were far less systematically maintained in 1993-1994 when that amendment was implemented for several hundred qualifiers. FSF thus supports the Scallop Committee's motion to limit the application period for Amendment 11 permits to 90 days after the start of the 2008 fishing year.

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Eleven

Further, notifications of this application period can be made, via NMFS Notices to Permit Holders, even as Amendment 11 is being finalized.

Amendment 11 will need to cap General Category effort during this transition period. It would be terrible management to allow many General Category vessels, with no long term interest in the fishery, to file baseless appeals and then get to keep fishing for up to two years (or even up to one year). Such participants with no long term interest in the fishery could inflict considerable damage to the resource.

That said, a 10% cap is too high for this interim period. NMFS should be able to sort through frivolous appeals quickly enough that a cap more consistent with a long-term allocation and historic landings levels should be able to be selected.⁶ In fact, as non-qualifiers are sorted out, a 10% cap might end up allowing the remaining General Category qualifiers to inappropriately increase their individual (and perhaps overall) landings from current levels. It is worth noting that overall General Category landings decreased from 14% in 2005 to 12% in 2006.

Amendment 11 should also confirm that existing access area caps will be maintained during any transition period. The Elephant Trunk General Category derby shows how intensely General Category access area effort can ramp up. By contrast, the Limited Access fishery has sought to conserve this extremely important access area by calling for an emergency cut-back in trips for 2007.

* * *

FSF appreciates this opportunity to comment on Amendment 11. Please do not hesitate to contact us if you have any additional questions about our comments.

⁶ Moreover, of four alternatives in Amendment 4 to control fishing effort and create a tiered permit system, three had no allocation for General Category landings. Alternative 3, the only alternative mentioning such landings, stated there should be "a 5% reserve for appeals and boats landing under the 400-pound trip limit." Amendment 4, at 5. That less than-five percent reserve for appeals applied to the entire Amendment 4 scallop fishery rationalization program, so it would not be consistent to reserve what would amount to a full five percent just for General Category appeals in Amendment 11.

Patricia Kurkul, Regional Administrator
June 11, 2007
Page Twelve

Sincerely,

A handwritten signature in black ink, appearing to read "David E. Frulla", with a long horizontal flourish extending to the right.

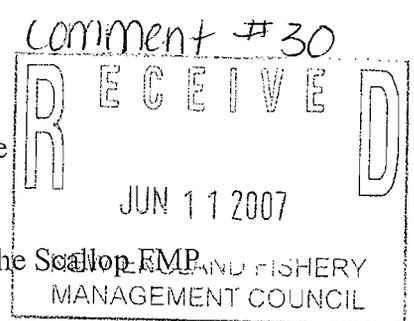
David E. Frulla
Shaun M. Gehan
Andrew E. Minkiewicz

Counsel for Fisheries Survival Fund

DATE: 10 June 2007

TO: Pat Kurkul, Regional Administrator, NMFS Northeast Regional Office

FROM: Richard Taylor, Box 7002, Gloucester, Mass 01930



RE: Comments regarding public hearing document for Amendment 11 to the Scallop FMP

While the increase in General Category fishing in the Mid-Atlantic was widely known as early as 2002, the options presented in the public hearing document for Amendment 11 are significantly off target as potential solutions. Overall my recommendations are to select the NO ACTION alternatives for all but one of the options in the document as presented as the remainder ignore the basic reasons for the progress made during the last twelve years of management changes to the scallop FMP, particularly those of Amendment 10. The presented options also do not develop the effective tools that avoid a repetition of the earlier influx of General Category vessels off New Jersey (see attached graphics of VTR reports), a recurrence of which is in progress at this time in the Hudson Canyon scallop access area. We have not learned that lesson and are concentrating on solutions that do not enable us to effectively and rapidly address this and other problems. For example we do not require the Scallop PDT, Advisors, and Committee to monitor General Category (or Limited Access) fishery in a more real time manner or provide the tools for rapid meaningful action, leaving only those available to the Regional Administrator.

The single option that seems worthy of development, though not entirely fleshed out, is presented in section 3.1.4, establishing a Gulf of Maine management area, that might, in final form, be structured to preserve distributed access to the scallop fishery by this and succeeding generations of General Category participants. This approach is the only one that is in line with the principles developed over 3 years of work in Amendment 10 to the scallop FMP, which focused on area management with rotational fishing opportunities based on stock assessment in the area, with area TACs, and trip limits to hold catch to ~25%. This option should have been developed and presented for all of the more inshore areas along the entire coast in order to prevent the type of unmonitored General Category fishery that occurred off New Jersey.

Background

The adoption of the US Exclusive Economic Zone 1976 and MSFCMA had central goals of removing the foreign fleets, promoting development the US fisheries, and establishment the Fishery Councils with the structure, methods, and processes that would be used to administer the fisheries. However by 1980, just 4 years later, it was clear that the massive investment in the larger offshore capable vessels in the hands of experienced skippers along the US east coast was leading to further rapid depletion of the remaining stocks. In the scallop fishery this situation was brought to an end in late 1994 with the implementation of Limited Access permits and DAS allocations with the vessel history qualification period retroactively fixed to the years 1985-1990, a mere 9 to 14 years after implementation of the MSFCMA.

In 1995 and 1996 approximately 12 million pounds of scallops were landed by the Limited Access fleet working 204 DAS (total ~50,000 DAS). In the last 12 years we have made great strides at turning things around. Sweeping changes have been instituted including an increase in ring size, limits on crew size, closed areas for growout of smaller scallop identified in the annual NOAA survey, and area management. In each of the fishing years of 2005 and 2006 over 50 million pounds were landed with the fleet fishing less than 100 DAS (~25,000 DAS total) implying an increase in daily production of 800%. Best estimates of fishing mortality are in the 25 to 30% range, implying that 2 to 3 times the amount landed remained on the bottom each year (100 to 150 million pounds) or that total biomass on the grounds was 150 to 200 million pounds. The overall implications are that the scallop population is at least an order of magnitude larger than it was in 1994, and that the overall biomass is significantly larger than it has ever been since

the scallop fishery began. Significant secondary benefits have realized in the areas of bycatch reduction and gear effects with a 50-75% a reduction of bottom time and swept area by the gears, along with corollary fuel savings.

Careful analysis of the contribution of the various management changes to the rebound in scallop biomass and landings suggests that maintaining large spawning stocks and increasing the yield per recruit have had the greatest impacts. For many years meat counts were mandated at 33-36 and routinely exceeded. In the open area portion of the fishery 4 inch rings alone bring the meat count to the mid to low 20s, an increase in yield per recruit in the 50-100% range. Average landings from the closed areas have averaged near 15 count, an increase of well over 200% of pre-1994 average size, and well beyond the growth allowed by 4" rings, suggesting that the rotationally fished areas have been the greatest source of the landings increases.

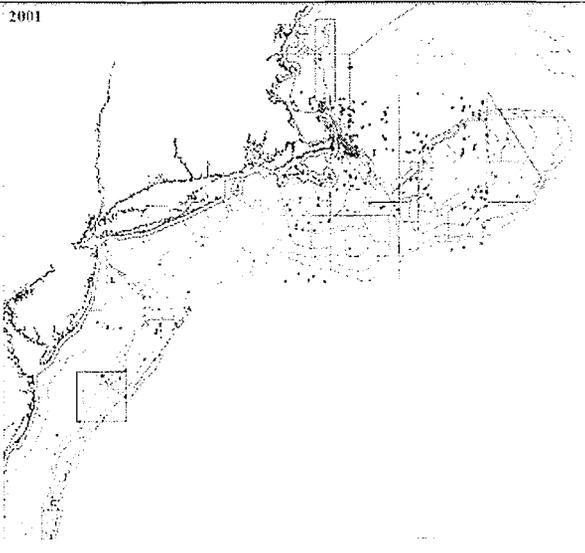
It is against this background that the options presented for Amendment 11 have been developed.

Overall the options presented do not include further development of the methods that have helped to increase the overall scallop biomass which in turn have led to a stable, profitable, and "sustainable" offshore scallop fishery. This oversight is especially troubling in light of the progress exhibited to date where increasing the biomass and landings has been significantly more beneficial to both the fishing communities and the overall economy than limitation of the number of participants. While no absolute linkage between the large spawning biomasses in the mid-Atlantic closed areas and new recruits appearing down current has been proven, it is certainly evident that area closures are a significant improvement over previous management methods, and should be not only continued but expanded. Transfer of the most successful techniques, specifically by widening the scope of area management to include the more inshore areas within the more limited range of smaller vessels, stock assessment, and limited removal offers the only clear path to continue the increase in biomass. The option establishing an inshore management area along the Gulf of Maine coast is the only one that might move us in that direction.

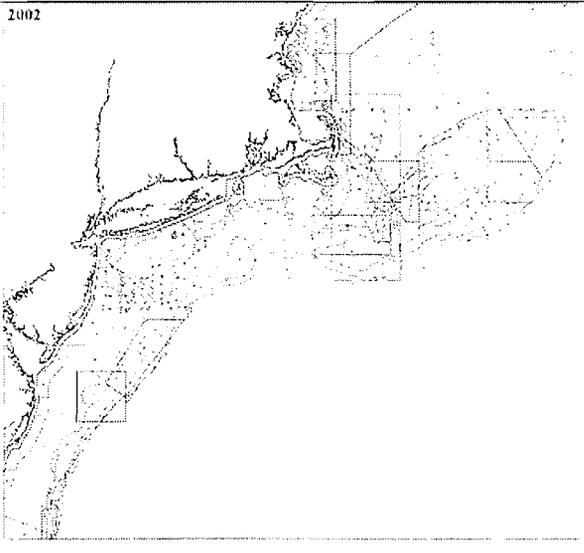
NO ACTION is preferable to assigning a fixed percentage of landings. Nowhere in the original or successive iterations of the MSFCMA does it specify that the Limited Access participants identified in the first 9 to 14 years of the regulations should have perpetual rights to a large fixed share of the clearly renewable and, more importantly, expandable scallop resource. Attempting to further solidify the situation that we found ourselves in in 1994 by fixing the share of all further entrants to the fishery, at least for the limited 2 to 11% options presented here, is confiscatory to both existing and future participants. While it is clear that measures including Limited Access were required to develop effective management, it is not at all clear that the benefits of the considerable investment of public funds expended in stock assessment and management of the scallop resource over the last 30 years should perpetually accrue to a small number of citizens. Put another way, granting of perpetual rights to enhanced future scallop populations to a select few that happened to be fishing from 1985 to 1990, or in the present case of the current General Category participants, will not survive thoughtful scrutiny over time.

Below are plots of General Category Vessel Trip Reports for the years 2001 through June 2005, though containing significant errors and omissions were the best data available at the time. The expansion of effort to the west of Hudson Canyon scallop growout area was quite evident by 2002, yet these reports were not a part of the management discussion until June 2005. The last image at lower right is a plot of all NMFS scallop survey tows for the years 1982 to 2005, and gives indication of how lightly sampled the area of greatest General Category impact has been over time. It seems likely that the large biomass in the Hudson Canyon Access Area had a successful spawning event and that we missed it in the surveys. We need both access to data and the tools to be able to rapidly react to this type of situation. Without them we will fail.

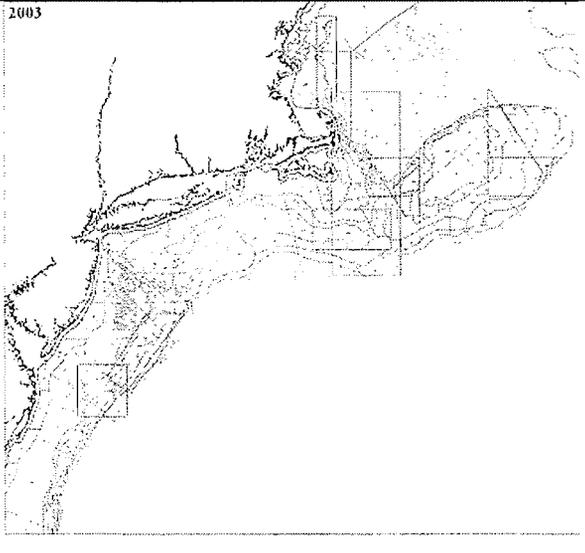
2001



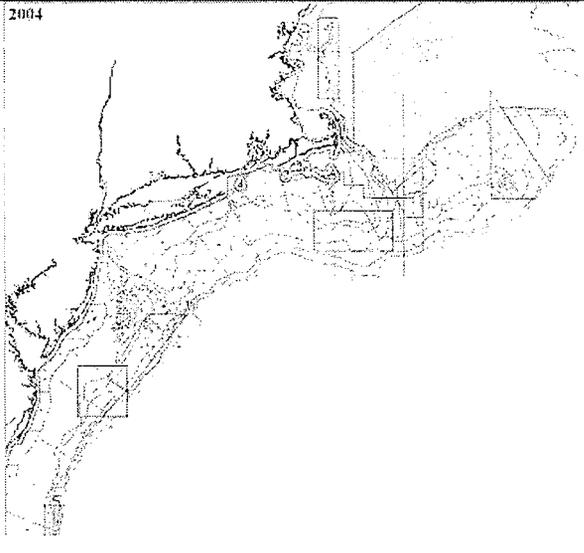
2002



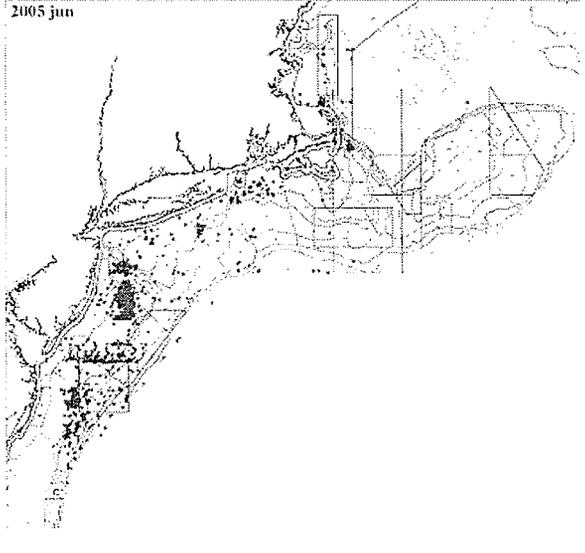
2003



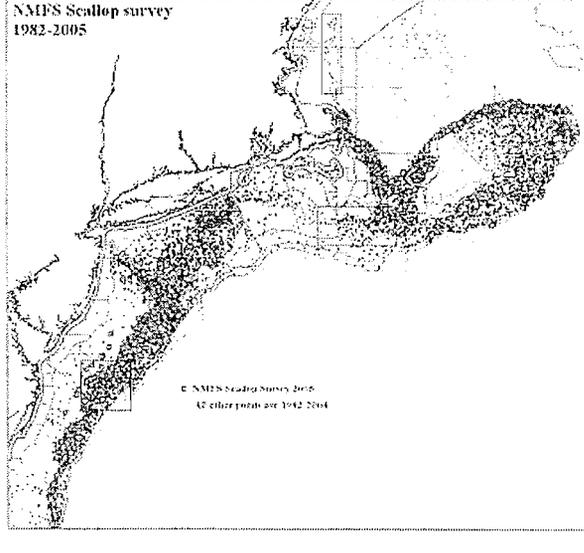
2004



2005 jun



NMFS Scallop survey
1982-2005



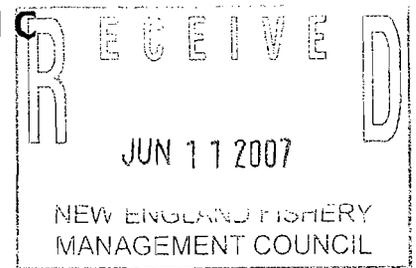
© NMFS Scallop Survey 2005
© other points are 1982-2004

Comment #31

FUTURE FISHERIES, INC

June 6, 2007

Patricia Kurkul, Regional Administrator
NMFS – Northeast Regional Office
1 Blackburn Drive
Gloucester, MA 01930



SUBJECT: "COMMENTS ON SCALLOP AMENDMENT 11"

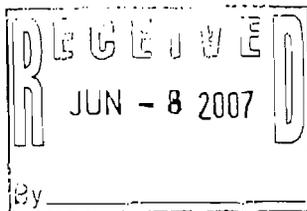
Dear Ms Kurkul:

I would like to express my thoughts on the Public Document for Amendment 11 of the Scallop FMP.

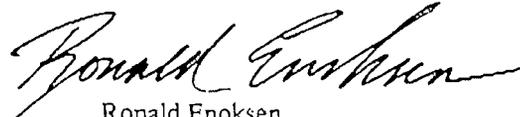
I do agree that the capacity and mortality in the General Category fishery should be controlled. Allocating number of trips (whether it is one or two tiers) per qualified vessel should control it. It allows opportunities for the vessel owners to use them at will, without encouraging derby style fishing which is not safe. As for those vessels that do not qualify, I would continue the current regulations regarding to the incidental catch of scallops for all vessels. The two issues that I disagree with which are the allocation percentage and the transition period.

First, I am not comfortable with the recent New England Fishery Management Council's (NEFMC) position on the preferred alternative for the allocation for the General Category, which is proposed to be 5%. Historically it has been a lot less than 5%. The public hearing document even states that the average is just below 3%. The allocation percentage should not be on the recent "best" years. It is just last few years that at the expense of the conservation measures applied on the limited access vessels since 1994, the scallop biomass rebounded. The limited access scallopers have their overall fishing days reduced more than 50%. It is down to about 50 open days and several access area trips subjected to by-catch Total Allowable Catch (TAC), gear restrictions and a reduction in size of crew. Most of the limited access scallopers (especially in New Bedford/Fairhaven area) do have extra fishing permits but it is primarily for incidental catches which makes us depending on revenue from scallops close to 100%. During the last few years the General Category vessels who have been part of the explosion in fishing are being displaced from their traditional directed fishery at the expense of the gains on reductions and cut backs on the limited access scallopers. I would like the Council to consider using the historical percent, if not then stop at no more than 5%.

Second issue is the allocation percentage (10%) hard TAC to use during the two year transition period. This increased percentage and longer length of transition period to cover the appeal process is beyond in scope of what NMFS and Council has done in all previous implemented FMPs whether it's scallops, groundfish, or monkfish etc. The appeal process will determine the qualifying vessels rapidly, that could translate into substantially larger landings by the smaller pool of qualified vessels. If a hard TAC is needed during transition then use the final percentage selected before allocating fishing opportunities per qualified vessel.



Respectfully,

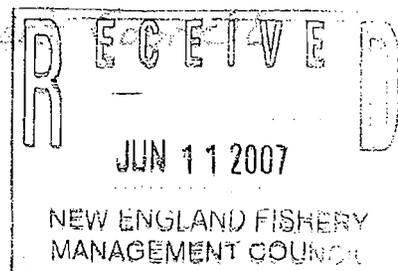

Ronald Enoksen

Phillip Michaud Jr.
Scout Fisheries
Wellfleet Mass

Comment #32

John Pappalardo, chair man
New England Fishery Management

RE: Scallop Amendment 11



Dear Council members the traditional dayboat scalloper, dependent on the resource will suffer the greatest with the preferred alternatives, 11 year, 1000 lb, 5% TAC.

I refer to table 17 included with letter
Best year landings per vessel

20,000 lbs or greater	41.36% cut in effort
5,000 lb to 19,999	37.63% cut in effort
under 5,000 lb	17.17% cut in effort

To determine my percentage cut I used
Best year landings per vessel 20,000 lb or greater. The Average allocation in pounds per vessel is 20,522 lbs. Divide this number by Average pounds of scallops per vessel 35,000 lbs (history) $20,522 \div 35,000 = 58.63\%$ minus 100 equals 41.36% cut

Our advisory panel recommended
5 yr 5000 lb resulting in a 29% cut.
Increasing percentage TAC to 7%
with 11 year 1000 lb represents a 17.9%

cut. Include best year indexed
(option B) there will be no cut back
for boats that have depended on this
fishery for 5 years or more.

Allocating in 400 lb trips only can be
a serious problem. Many vessels in my
area do not land the maximum possession
limit day fishing, bad weather and breakdowns
are a factor also. Perhaps a cost recovery
program. Perhaps allocate in units of
100 lbs, allowing up to 4 units per trip
declaring how many units through VMS
before crossing demarcation line (100, 200, 300
or 400) This would provide flexibility
and can be monitored and enforced.

Sincerely

Phillip R Michaud
F/V Susan C III
508 776 8569

Table 17 - Distributional impacts of qualification criteria and time period alternatives combined with % TAC, assuming 50 mil. total scallop catch.

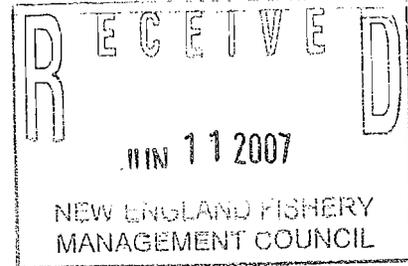
Best year landings per vessel (lb)	11 Year period			5 year period				2 year period			
	100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria	Stand alone-ITQ	100 lb. criteria	1000 lb. Criteria	5000 lb. Criteria	100 lb. Criteria	1000 lb. Criteria	5000 lb. Criteria	
>=20,000 lb. (average pounds of scallops per vessel were about 35,000 lb.)											
Number of vessels	62	62	62	62	62	62	62	44	44	44	
% share of TAC	49.7%	50.9%	59.1%	53.6%	53.8%	54.9%	61.4%	51.1%	52.0%	58.1%	
% TAC	GC TAC (Mil.lb.)	Average allocation (pounds) per general category vessel at 50 million lb. scallop harvest									
2.50%	1.3	10,419	10,871	12,398	11,241	11,276	11,508	12,867	15,084	15,376	17,170
5%	2.5	20,037	20,522	23,842	21,617	21,685	22,131	24,744	29,008	29,569	33,019
7%	3.5	28,052	28,730	33,379	30,264	30,360	30,983	34,641	40,612	41,396	48,226
10%	5.0	40,074	41,043	47,684	43,235	43,371	44,262	49,488	58,017	59,137	66,038
11%	5.5	44,081	45,147	52,452	47,558	47,708	48,688	54,436	63,918	65,051	72,642
5000 lb. to 19,999 lb. (average pounds of scallops per vessel were over 10,000 lb.)											
Number of vessels	141	141	141	126	126	126	126	99	99	99	
% share of TAC	34.3%	35.2%	40.9%	33.8%	33.9%	34.6%	38.6%	36.8%	37.5%	41.9%	
% TAC	GC TAC (Mil.lb.)	Average allocation (pounds) per general category vessel at 50 million lb. scallop harvest									
2.50%	1.3	3,167	3,243	3,768	3,482	3,493	3,565	3,966	4,832	4,925	5,500
5%	2.5	6,090	6,237	7,246	6,597	6,718	6,856	7,666	9,292	9,471	10,577
7%	3.5	8,526	8,732	10,145	9,376	9,405	9,599	10,732	13,009	13,260	14,807
10%	5.0	12,179	12,474	14,492	13,394	13,436	13,712	15,331	18,584	18,943	21,153
11%	5.5	13,397	13,721	15,942	14,733	14,780	15,084	16,864	20,442	20,837	23,269
<5000 lb. (average pounds of scallops per vessel ranged between 1,300 lb. with 100 lb. criteria to 2,300 lb. with 1000 lb. criteria)											
Number of vessels	502	256	None	489	360	181	None	256	134	None	
% share of TAC	16.0%	13.9%	0.0%	12.6%	12.4%	10.6%	0.0%	12.2%	10.5%	0.0%	
% TAC	GC TAC (Mil.lb.)	Average allocation (pounds) per general category vessel at 50 million lb. scallop harvest									
2.50%	1.3	572	580	No allo.	465	618	1,049	No allo.	855	1,404	No allo.
5%	2.5	1,113	1,905	No allo.	904	1,202	2,041	No allo.	1,662	2,731	No allo.
7%	3.5	1,558	2,667	No allo.	1,266	1,683	2,657	No allo.	2,326	3,823	No allo.
10%	5.0	2,226	3,809	No allo.	1,809	2,404	4,081	No allo.	3,324	5,461	No allo.
11%	5.5	2,449	4,190	No allo.	1,990	2,644	4,488	No allo.	3,656	6,007	No allo.

Preferred alternative for allocation and qualification shaded, assuming total scallop catch of 50 million pounds



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

SF
Comment # 33



June 11, 2007

Patricia A. Kurkul
Regional Administrator
Northeast Region
NMFS, NOAA
One Blackburn Drive
Gloucester, MA 01930-2298

RE: Draft Supplemental Environmental Impact Statement (DEIS) for Amendment 11
to the Atlantic Sea Scallop Fishery Management Plan CEQ No. 20070160

Dear Ms. Kurkul:

EPA is providing the comments to the National Oceanic and Atmospheric Administration (NOAA), the National Marine Fisheries Service (NMFS), and the New England Fishery Management Council (Council) on the referenced document. These comments are offered in accordance with EPA's responsibilities under Section 309 of the Clean Air Act, Section 102(D)(2)(C) of the National Environmental Policy Act (NEPA), and the Council on Environmental Quality's regulations for implementing NEPA.

The DEIS was prepared to explore strategies needed to control scallop fishing capacity and curb mortality resulting from fishermen who presently have open access to the scallop fishery. "Open access" means that any boat owner that wants his vessel permitted for scallop fishing may do so; there are no specific qualifications needed to receive a general category permit. While allowed under Amendment 4 to the Atlantic Sea Scallop Fishery Management Plan, open access has probably contributed greatly to exceeding current scallop fishery mortality objectives.

The document evaluated a series of "valued ecosystem components" (VECs) which represent both the scallop resources and human communities that will be affected by proposed management actions. Various VECs were assessed to determine the direct/indirect effects and cumulative impacts that resulted from past regulatory actions and their impacts on the basic sea scallop resource, their physical environment, fishing impacts on protected species, and fishery-related businesses and communities. New management options being considered include: limiting entry for general category fishing permits; a hard total allowable catch limit for the general category fishery; the establishment of a separate limited entry program in the Northern Gulf of Maine; incidental catch (meaning scallops taken while targeting other species) provisions; and

JUN 11 2007

other measures to more quickly integrate recent scallop harvest data in the management process.

The document was well-written, rationally organized, and had clearly summarized past management actions that had, according to the DEIS, contributed to excessive scallop mortality in the fishery today. We have commented on two preferred alternatives that were discussed in the Management Plan.

1) Catch Limits - The proposed management plan recommends limiting scallop harvesting by general category fishery boats to 5% of total annual catch permitted to the fishery as a whole. While the DEIS acknowledges that limited access, by itself, will not entirely eliminate unsustainable scallop mortality, it will help reduce the risk of overfishing by preventing new entry to the general category fishery.

2) Limited Entry - The proposed Management Plan recommends limiting entry to the general category fishery, with entry qualifications based upon a license-holder's past years landing activity in the scallop fishery. The number of fishery participants would be selected based upon previous years scallop landing qualification criteria data within the qualification time period.

While EPA defers to NOAA/NMFS to determine the best management techniques that will achieve fishery objectives, we suggest that for the health and safety of fishermen, the Council select strategies that avoid "derby" type fishing. Derby fishing occurs when an annual total allowable catch (TAC) is established without daily catch limitations. Unrestricted TACs encourage risk-taking behavior such as going out in bad weather and working excessively long hours which increases the risk of accidents from operator fatigue.

Fishermen in local hearings (see Scoping Comments, Written Comments Received) suggested that scallop catch limits be assigned to vessels without regard to their size or capacity. EPA notes that this would place smaller-sized boats at a disadvantage because larger boats can generally travel faster and work during more dangerous weather thereby harvesting a greater percentage of TAC. Assigning future daily catch limits to individual vessels based upon their past history of scallop landings seems to be an equitable management plan.

Others suggested assigning catch limits to individual fishermen, rather than the boat, which is now the current practice. There is some risk, however, that assigning pound allotments or catch limits to individuals would create a "harvesting right" which itself could become a commodity to be sold or traded. We can easily envision an individual fisherman who, rather than going fishing, sells or trades his harvesting rights onshore, an undesirable outcome in our view. It is unlikely that creating a secondary paper market in un-harvested scallop meats would achieve fishery resource management objectives.

It is possible, however, that assigning catch limits to an individual (creating harvest rights described above) might be effective if fishing "sectors" and harvesting cooperatives were created, and TAC shares were awarded to each sector within the fishery. Groups would be formed around common fishing practices, common homeport, and common marketing arrangements. Eligibility criteria, operational plans, monitoring, enforcement of TAC, and allocation rules would be controlled by the fishermen themselves. According to previous EISs on the lobster fishery in the northeastern U.S., Maine lobster fishermen heavily depend upon mutual cooperation and self-governance in the management of local lobster resources.

Editorial Comments-

Pg 164, end of first paragraph - The Error note should be deleted and reference source included.

Pg 165, last paragraph, line 5 - The draft EIS states that... "The alternatives under consideration would reduce the potential pool of participants from 143 to around 705..." perhaps was intended to read... "The alternatives under consideration would reduce the potential pool of participants from 705 to 143..."

EPA rates this action as "LO" that is, lack of objections. The alternatives that were examined, impacts on threatened and endangered species, bycatch issues, and public participation processes were satisfactorily addressed in this document. For more information, please contact John Hamilton at (404) 562-9617.

Sincerely,



Heinz J. Mueller, Chief
NEPA Program Office
Office of Policy and Management

WILLIAM D. DELAHUNT
TENTH DISTRICT, MASSACHUSETTS

2454 Rayburn House Office Building
Washington, DC 20515
(202) 225-3111
www.house.gov/delahunt

SOUTH SHORE
1-800-794-9511

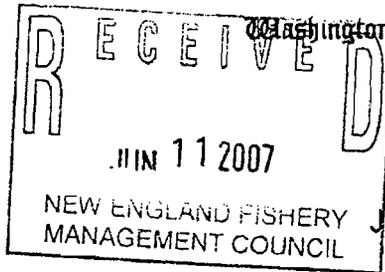
1250 Haverock Street
Suite 802 N
Quincy, MA 02189

CAPE COD & ISLANDS
1-800-870-2638

140 Main Street
Hyannis, MA 02601

Congress of the United States
House of Representatives

Washington, DC 20515-2110



June 7, 2007

Comment #34

COMMITTEE ON FOREIGN AFFAIRS

SUBCOMMITTEES ON:
INTERNATIONAL ORGANIZATIONS, HUMAN
RIGHTS AND OVERSIGHT
CHAIRMAN
WESTERN HEMISPHERE

COMMITTEE ON THE JUDICIARY

SUBCOMMITTEES ON:
CRIME, TERRORISM AND HOMELAND SECURITY
IMMIGRATION, CITIZENSHIP, REFUGEES, BORDER
SECURITY, AND INTERNATIONAL LAW
COMMERCIAL AND ADMINISTRATIVE LAW

CO-CHAIR:
CONGRESSIONAL COAST GUARD CAUCUS
OLDER AMERICANS CAUCUS

Dear Administrator Kurkul:

I am writing regarding Amendment 11 and the proposed changes to the Atlantic Sea Scallop Fishery Management Plan which seeks to control capacity and mortality in the general category scallop fishery.

I have been contacted by Bob Keese who is a third generation fisherman from Chatham. He is concerned with how the recommendations of the New England Fishery Management Council will impact the general category scallop fishery and their livelihood. I have attached a copy of a guest column that Mr. Keese wrote in the May 2007 edition of *Commercial Fisheries News*.

I would appreciate your taking into account his concerns as you reach a final decision.

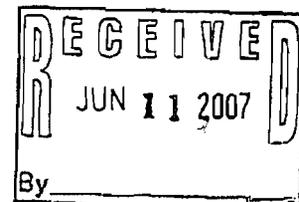
With kind regards.

Sincerely,

A handwritten signature in cursive script that reads "Bill Delahunt".

William D. Delahunt

Administrator Patricia Kurkul
Regional Administrator
National Marine Fisheries Service
Northeast Regional Office
1 Blackburn Drive
Gloucester, MA 01930



Gen Cat scallopers deserve larger quota share

In an attempt to control fishing mortality, the New England Fishery Management Council is developing Amendment 11 to change the general category (Gen Cat) scallop fleet into a limited-access fishery.

Qualification criteria, coupled with a November 2004 control date, will be used to identify future participants in this Gen Cat fleet and a portion of the total allowable catch (TAC) of scallops will be allocated to the general category.

It is this portion of the scallop TAC that has caused much controversy throughout Amendment 11. The limited-access fleet believes the allocation should be 2%-3%. This basically would leave the remaining 97%-98% of the TAC for the limited-access fleet. The rationale behind this logic is that the Gen Cat was never meant to be anything more than a bycatch fishery.

For the past seven years, the scallop resource has been at levels higher than anyone ever imagined. Consequently, landings by both the limited-access fleet and the general category fleet have grown significantly.

While the growth of the limited-access fleet has been heralded as the greatest success story in fishery management history, the growth within the Gen Cat has been perceived as nothing more than a threat to the success of the limited-access fleet.

It has been argued that if the Gen Cat is left unchecked, it could lead to the downfall of the limited-access fleet. While there is merit to this concern, general category landings have not even come close to undermining the success of the limited-access fleet.

Equity issue

In 2005, when the general category harvested an all-time-high 14% of the scallop TAC, the limited-access fleet managed to land 45 million pounds of scallops valued at about \$360 million.

It is true that for every scallop that the Gen Cat lands there is one less scallop that the limited-access fleet can land. Each fleet needs to be assured a certain percentage of the harvest. The need to divide the resource between the two fleets has become the focal point of Amendment 11.

The legislation that directs NMFS on how to manage the nation's fisheries is the Magnuson-Stevens Fishery Conservation and Management Act (MSA). National Standard 4 of the MSA states that if it becomes necessary to allocate or assign fishing privileges among various US fishermen, it should be carried out in such a manner that no particular individual, corporation, or other entity acquires an excessive share of such privileges.

Although the argument could definitely be made for a much higher allocation, the Gen Cat fleet needs only enough to satisfy those who have an investment and/or history in the fishery before the control date.

Instead of adopting this allocation, which would be no higher than 15%, the council has chosen 5% as its preferred alternative. This would leave 95% of the scallop resource to approximately 351 limited-access vessels.

Although there are 351 limited-access vessels, a much smaller group of individuals own these vessels. In fact, some limited-owners legally own 5% of the entire scallop harvest by themselves. Setting the maximum allotment for the

entire Gen Cat fleet to the same level as that of one person from the limited-access fleet raises some serious questions about fairness and equity.

GUEST COLUMN

by Bob Keese

Bycatch fishery?

The limited-access fleet is one of the most lucrative and politically powerful fishing organizations in the world and they have spent much of their effort in the last few years justifying giving the general category the smallest allocation possible. The limited-access fleet's lawyers,

lobbyists, and consultants have come up with the notion that the general category was established as a "bycatch" fishery only and should never have been allowed to be a successful, directed fishery for scallops. Therefore, their argument goes, an allocation should be chosen to keep the general category from ever becoming more than a part-time income source. This is the rationale behind the motion to allocate 95% to the limited-access fleet.

Furthermore, they contend that anyone who used this fishery for anything other

General category landings have not even come close to undermining the success of the limited-access fleet.

—Bob Keese

than a bycatch or "supplemental income" fishery was abusing a loophole in the system and so no consideration should be given to this group of fishermen in Amendment 11.

See GUEST COLUMN, page 21A

catch-share systems.

New sector allocation proposals (i.e. fishing cooperatives) using sector guidance that hopefully will be updated through Amendment 16 are an important means for the groundfish complex to get back on the road to biological recovery while retaining important social and economic components of the fishery.

Also, the Northeast Seafood Coalition point system proposal includes some of the valuable components of catch-share systems, including important accountability measures, incentives to target healthy stocks and avoid depleted stocks, as well as flexibility for the industry to improve economic returns.

Catch-share systems are the ultimate win-win-win situation providing conservation, economic, and regulatory benefits. The New England council will do well to consider these approaches in this latest groundfish amendment.

Sally McGee

Sally McGee is a marine conservation advocate for Environmental Defense and a member of the New England Fishery Management Council, Environmental Defense's report, "Sustaining America's Fisheries and Fishing Communities," is available online at <www.sustainingfisheries.com>.



Guest Column

Continued from page 7A

After hearing this for several years, many council and advisory panel members have adopted this belief that the general category was never meant as anything but a "bycatch fishery" and the council should keep the general category at this bycatch level forever.

Amendment 4

Since the general category was established in Amendment 4, we should all look to this document if we want to know the truth about the origins of this fishery.

After reading Amendment 4, you will see that the general category was clearly made for two reasons. It was made to provide for a bycatch fishery and it was made to accommodate a directed fishery for scallops with a 400-pound daily trip limit.

Amendment 4 reads as follows: General permit vessels may fish for scallops or potces and land them as bycatch if the meat weight does not exceed 400 pounds or the amount of shell stock does not exceed 50 US bushels.

People involved with Amendment 4 assure us that the general category was made, at least in part, to accommodate a directed fishery for scallops. They recall that, in the early stages, two scallop management areas were proposed to be used exclusively for a directed, day-boat fishery on scallops. One area was the

The Gen Cat fleet needs only enough to satisfy those who have an investment and/or history in the fishery before the control date.

—Bob Keese

Gulf of Maine Exemption Area and the other was off the North Carolina coast.

These areas were never adopted due to enforcement issues. Instead, the all-encompassing general category was developed.

High landings

The scallop resource has changed significantly since 1994 and both the general category and the limited-access fleets have evolved accordingly. In 1994 the total scallop catch was 15 million pounds. In 1994, NMFS believed that the highest long-term sustainable yield would be 29 million pounds.

In the last six years, total scallop landings ranged from 45 million to 61.7

million. This rapid growth in the scallop biomass is the result of the new rotational management measures in use today.

Instead of allocating according to current resource conditions and the guidelines set forth in the MSA, we are using a false interpretation of a previous amendment to steer this decision.

We need to put aside the myth that the Gen Cat was never meant to be anything but a bycatch fishery. Once this is done, we can allocate in a manner consistent with the MSA and allow a small-boat fishery to continue to benefit from this enormous public resource.

The 5% that the council is currently considering will make the Gen Cat into a part-time income fishery for a group of fishermen. Currently, there are 459 vessels that will meet the proposed preferred qualification criteria.

This small allocation will not even allow the qualifying fishermen the opportunity to make a living from this fishery. Amendment 11 is out for public comment. The final vote for the amendment will be in June. Hopefully, enough comments will be sent to the council to convince its members of the need for a more fair allocation scheme.

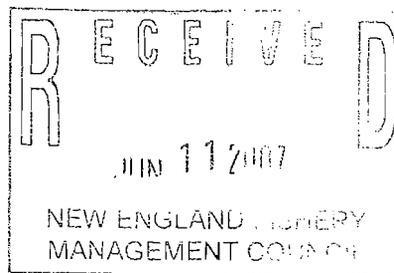
Bob Keese



Bob Keese fishes the Beggar's Banquet out of Chatham. He can be reached at (774) 263-8702.

June 6, 2007

Patricia Kurkul, Regional Administrator
National Marine Fisheries Service
Northeast Regional Office
1 Blackburn Drive
Gloucester, MA 01930



Dear Patricia Kurkul, Regional Administrator,

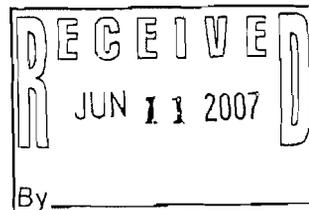
SUBJECT: COMMENTS ON SCALLOP AMENDMENT 11

Attached are my comments concerning the Scallop Amendment 11, Scallop Fishery Management Plan. If additional information or explanation is needed, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Stanley C. Sargent".

Stanley C. Sargent
207-546-7100



- 3.1 Measured to control capacity and mortality in general category fishery.**
Limited Entry.
- 3.2 Allocation between limited access and general category fisheries.**
Allocation for General Category Scallop boats is 50,000 pounds per boat a year.
Non-transferable.
- 3.2.1 Allocation of 5% of the total annual projected scallop catch to the general category fishery.**
Allocation of 5% over the long term of general category may be an average. But compared to the limited access boats the average of poundage per boat, per trip, has gone up a lot more than 5% since 1994.
- 3.3 Additional alternatives related to a limited entry program for the General Category fishery.**
1. Vessel with a permit from 1994 – 2004.
 2. By poundage per year; 50,000 pounds.
 3. Owner, Operator only.
 4. Yes
 5. Probably Not
 6. No
- 3.3.2.1 Allocation of access for qualifying vessels would be an individual allocation in trips maintaining the 400 pound possession limit.**
Allocation of Scallops should be X number of pounds, not trips.
Example: 50,000 pounds and additional 3% for the cost of enforcement and monitoring.
- 3.3.3 Should additional limited entry permits be included?**
Only if they were between 1997–2004 with landings.
General Category permits shouldn't be allowed to be stacked. The total number of poundage per permit is 50,000 pounds. One General Category permit per boat only. In addition to that, General Category should be owner, operator only.
- 3.3.3.1 Specific permit provisions for limited entry general category permits.**
No stacking of permits.
- 3.3.4 Should measures to reduce incentive for qualifiers to use trawl gear be included?**
Yes, 40 pounds maximum per trip.

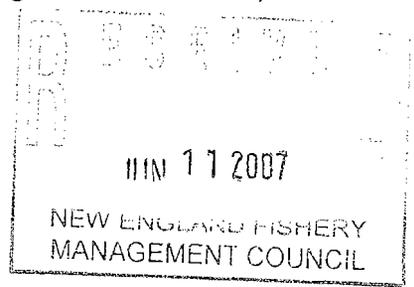
- 3.3.5 Should qualifying vessels be permitted to form voluntary sectors?**
No action.
- 3.3.6 Interim measures for transition period to limited entry.**
No action.
- 3.4 Establish a northern gulf of Maine scallop management area.**
Yes.
Northern gulf of Maine should be a separate permit and a separate quota per boat. A hard tact will lead to derby style fishing and the smaller boats will be put to a disproportionate disadvantage.
- 3.6 Limited access fishing under General Category.**
Prohibit all Limited access boats from fishing with General Category.
The word Limited only seems to apply to the vessels that have the smallest access to the fishery.
- 3.7 Allocation of Yellowtail Flounder bycatch in access areas.**
General Category can't have any bycatch.
- 3.8 Incidental Catch**
40 pounds per trip. With one trip equaling 24 hours.
- 3.9 Better and More timely integration of recent data.**
Change the fishing year.

Comments:

General Category was made up for small boats, about 75 boats total, half were from Maine that were actually scalloping at the time. Since then, General Category has been exploited beyond anyone's ideas at the time of the making. Now we have the task to decide who has the right to fish and who does not. Those who qualify must have been there in the beginning. There can only be one set of rules for General Category: Owner, operator; One dredge, 10' 6" maximum; No targeting scallops with trawl nets; Fishing season April 1st – November 1st. ect.. This also has to apply to Northern Gulf of Maine. Northern Gulf of Maine tac is broken down per boat, per season, not per trip.

Comment #30

Subject: Comments on Scallop Amendment 11 (Attn. Patricia Kurkul Regional Administrator)
From: my gray <rose_bud83@yahoo.com>
Date: Wed, 30 May 2007 07:39:06 -0700 (PDT)
To: Scallop.Eleven@noaa.gov



1. Yes, I believe capacity and morality should be controlled in the general category fishery.
2. I am in favor of limited entry.
3. I feel that 5,000 lbs must be used. In reality 5,000 lbs is only a little over 12 days fishing. That should cover even the fishermen who only fish part time. As far as years, 5 or 11 year plan wouldn't make much difference.
4. I believe a tier system would work the best, possibly a 3 year tier.
5. Should be dredge only. 10'6" for everyone.
6. Undecided on a Northern Gulf of ME. fishing area.
7. Limited access vessels should be allowed to fish under general category rules as long as what they catch comes out their tac.
- 8+9. I conciser this is a very important issue. 5% has been thrown out of many meetings. I believe it must be at the 10-11% level. Many reasons drew me to this conclusion. One is we don't know the average size of vessels that is going make up the general category fleet. If it ends up being more smaller vessels, we will be at a disadvantage trying to get all closes area trips in before they get closed for by catch. For one example: plus, it is not set in stone. How many vessels are going to be in the fishery. Referring to table 19 at 11% limited access vessels would stay at present levels, which is stated in your document at an average of 1 million dollars a vessel. I believe a 10-11% Limited Access vessels would stay at present levels, which is stated in your document at an average of 1 million dollare a vessel. I believe a 10-11% TAC at this point of forming the criteria of the Gen. Cat. fleet is necessary to ensure you have enough resource to work with to let us have a viable chance of staying in business. I believe if we don't get this much of a percentage you'll have succeeded in putting a lot of us out of the fishery completely. I seriously believe that it is on the minds of most people in the Limited Access fleet. I hope it is not the councils view.
10. Leave it at 40 lbs..
11. Let us as a fisheries use our VMS' to do the trip reports. It would be easier for us and let you receive our data quicker.
12. No
13. Mostly
Comments
14. We must have the option to stack permits in this Amendment. I have fears that we will not get a large

enough TAC to go around. We will need this option. I believe there is enough resources to support a healthy Limited Access fleet plus a Gen. Cat. fleet. I have been a Captain in the Limited Access fleet and I presently own my own General Category vessel. I believe we could be an asset to each other. For example: My son has fished and trained under me for 3 years and now is a deckhand on a Limited Access vessel. I think in the future you will see a lot of deckhands on Limited Access vessels will be getting to an age they won't be able to or want to still do their jobs on a Limited Access vessel. It would be nice that they still could fish the Gen. Cat. fleet could be the answer. I hope the council thinks long and hard before any decisions are made that will affect so many people. Please, note that this is not just numbers or fishing vessels, peoples lives are going to be affected by your decisions forever!!

Sincerely,

Wallace A. Gray
F/V Foxy Lady II
Stonington, Me.
04621

Comment # 37

Woneta M. Cloutier

From: jack stormy [stormyseasllc@yahoo.com]
Sent: Tuesday, June 05, 2007 8:20 AM
To: stormyseasllc@yahoo.com
Subject: Re: Fwd: comments on amendment 11

Hahn <hammersportfishing@yahoo.com> wrote:

Note: forwarded message attached.

The fish are biting.

Get more visitors on your site using Yahoo! Search Marketing. Date: Mon, 4 Jun 2007 21:33:03 - 0700 (PDT)

From: jack stormy <stormyseasllc@yahoo.com>
Subject: comments on amendment 11
To: hammersportfishing@yahoo.com

Dear Council:

MY QUESTION TO THE COUNCIL IS? If the general category was deleted from the fishery would the mortality rate decrease? If the answer is anything but yes the vision statement is false and this amendment 11 should be thrown away written to be fair to the general category not the limited access boat that catch 89% of the quota and want 95% of the quota.

My name is Jimmy Hahn I am a owner of 2 general category boats out of Ocean City Maryland. One has no history before the con troll date. Then I purchased another boat that has little history because I was told by NMFS and North England council that as long as I had landing before the control date I would not be out of business. In all of my phone calls and the scoping meeting I was never told about qualification requirements. I would not have bought this boat if I had known. I do not consider getting 10 to 20 trip a year being in business. No where in the proposals for the control date did it say any thing about IFQ or days at sea. I only fish for scallops I do not have any other Limited access permits to fish.

I know the council want to control capacity and mortality. With using the control date it should control capacity but instead of using the preferred option of 1000lb since 1994 it should be more current like 1000lb since 2003. If you did not fish when the scallops were at highest population level and highest price, why would you fish for them in the next couple of years when they are in the down side of there cycle. All a individual quota is going to do is let the people that hold a meet the criteria weather they fish or not make a profit off a permit. The quota should go to real fishermen. What happens to the quota that is given to people that do not use it? Is it saved for the next year or lost?

After listening to the amendment hearing I did not hear many people in support of the preferred

06/13/2007

actions of the council. Most people wanted the opposite, the only people in support preferred action were limited access boat owners. Was amendment 11 written to control capacity and control mortality or to push the little fisherman out of business and give the quota to the limited access boats.

The council should give the general category at least 10% hard tac fleet wide. The preferred 5% is to little. With only 5% the preferred option for allocation would be exceed. How is this make good sense! If we are only allowed to catch 20% of the biomass how can giving us extra 5% increase mortality. With all of the closed areas along the coast how can the fishery be over fished? If the scallop are over fished why did the Elephant Trunk area even open. When it did open why didn't you use the science to catch the least amount scallops possible. You open the season right when they were about to spawn. Three more weeks and they would have all spawned at least once. The distance the spat could a floated would have repopulated some of the Delmarva area. Also the number of bushels to catch 400lb was around 50 one month later it only took 35 bushel for 400lb that's 15 bushels less. In the general category alone that's 12000 bushels less and about 1,620,000 scallops less. With the limited access boats catching 18000lb per trip in 300 trips it would have saved 202500 bushels and over 27,337,500 scallops. Who decided to open the season a month to early. Instead you didn't use the science to protect mortality. Now who to blame for the extra mortality? Not the general category! The general category didn't deplete the scallop in the 1990s it was the limited access boats. They didn't bring the fishery back. More laws and rules were put in place to keep the mortality at a controlled level. The scallops that we are allowed to fish on now were not put there by limited access boats, mother nature put them there. They are on federal bottom that is owned by the citizens of the United States. My tax money is used to study, protect and regulate, why shouldn't I be allowed a percentage of that resource. I have learned that 5 boat owners, currently own 118 limit access boats, that over 27% of the quota. How is that fair, that 5 people own more of the quota then the whole general category can catch in two years at 10%. I really feel the fishery's people should wake up.

My comments to the Questions?

1. IF THE GENERAL CATEGORY WAS DELETED WOULD SCALLOP MORTALITY CHANGE? The answer is NO so how could regulating the general category change mortality. Mortality can not be controlled on the 10% level it must be controlled on the 90% level!

2 and 3 . Capacity is going to be controlled by the control date. I think people currently in the fishery should be allowed to continue to fish. I think the option 1994 and 1000lb is to general, it should be given to fishermen who are currently fishing 2003 to 2004 with a 1000 lb is much better. What about a rigging up clause? We were told by NMFS that if you had a permit before control date with landing you would qualify.

I think consideration should be given to people who fish only for scallops. Those that are after the control date should not be complete pushed out of this fishery. For example if you fished over 200 days since the control date, if your primary fishery and you should be given something.

Mortality should not be blamed on the general category. We are only catching 11%. If you want to control mortality it should be done on the 89% the limited access catch. If you completely deleted the general category the limited access boat would catch 100% instead of 89% so whats the different? I think the limited access boat can afford to give 10%. I think it

would be fair to give the general category a 10% hard tac fleet wide.

4. I think that it should be a hard tac of 10% fleet wide. Let the fishermen who fish get the quota. Why should somebody who fished 10 years ago and is not fishing now get a quota to sell or lease and make money without fishing. What happens if you give out trips and the trip don't get taken?

5. I think we should be able to continue and a 10% hard tac until the in term measures are straightened out.

7. Limited access boat should not be able to fish under general category quota. In 2005 they landed 1.5% 800000 lb and in 2006 they landed .76% 424000 lb after landing there quota of 87% and 89%. How much extra mortality is that. It should be one category or the other not both. Many limited access boat fished the elephant trunk opening under general category first then started the limited access trips. Double dipping.

8. yes Why can't we have at least 10%? That's what the average has been over the last couple of years without being over fished.

9. yes. we should get a 10 % of the total quota.

10. I think there should be another permit for incidental catch, you should be able to sell the catch.

11. I think we should use more science and less political power to regulate and control.

12. increase limit to 100 bushels. Also increase the trip limit to 800lb for a 48 hour period to save fuel. Use vms to regulate hours and trips

13. yes i believe the whole impact to the environment section was written by the limited access boats for the limited access boats. Nowhere does it have a negative statement about limited access boats. How can that be, when they catch 89% of the quota.

14. I think I have made my feeling very clear general category is not the problem for mortality.

3.1.2.1.

Agree with control date and 1000 lb

3.1.2.2

agree with march 1 2000 - 2004 Quota should go to boat currently in scallop fishery. If you did not work in the best years you never will.

3.1.2.3

none Should be a hard tac fleet wide. Not to somebody who does not even own a boat any more just holds a permit. Quota should be given to people who want and only fish for scallops not draggers who only fish for scallop occasional. 2000 - 2004 allows only 369 boats.

3.1.2.4

agree with 3.1.2.4.6

3.1.2.4.1

is not what NMFS told everybody would happen. Some of us bought boat with little history because Pete Christor told us not to worry as long as it is before the control date and has landing before control date nothing would change.

3.1.2.5

agree with 3.1.2.5.1.1 One vessel one permit. Many boat owner sold the boat to family members to be able to get 2 quota out same vessel and permit.

3.1.2.5.4.3

not sure

3.1.2.5.8.1

A limit on the number of permits and boat you can own.

3.1.2.6

No trawl gear

3.1.2.8

agree with 3.1.2.8.1

3.1.4.3.

not sure

3.1.6.1.

disagree with 3.1.6.1.1 Limited access vessels should not be able to fish under general category. They already get 89% how much more do they need. Double Dipping

3.1.7.3

not sure

3.1.8

agree with 3.1.8.2

3.2

agree with 3.2.1.1

3.3

agree with 3.3.2.2.

If the vision statement is false for amendment 11 then how can the council use it to regulate the fishery. The council and NMFS needs to take a better look at the overall status of the fishery, use better science and more common sense. How can controlling 5% - 10% of a fishery reduce mortality. Amendment 11 was written to put the small boat owner out business and increase control and profit for the limited access boats with no regard for the mortality levels of the scallops. The scallop quota should not be owned by 334 limited access boats but shared by all the citizens of the Untied States.

If you have any comments or questions please feel free to contact me at 410 310 4296

Thanks

Jimmy Hahn

Take the Internet to Go: Yahoo!Go puts the Internet in your pocket: mail, news, photos & more.

The fish are biting.

Get more visitors on your site using Yahoo! Search Marketing.

Appendix III
For Amendment 11 to the
Atlantic Sea Scallop Fishery Management Plan

Meeting summaries from the Amendment 11 DSEIS Public Hearings



Amendment 11 Scoping Hearing Summary

Radisson - Hyannis, MA

May 16, 2007

About 20 individuals attended the public hearing in Hyannis, MA, and about a dozen gave oral comment. Rodney Avila, a member of the Scallop Committee welcomed the audience and gave an overview of the process and purpose of the meeting. Deirdre Boelke, NEFMC staff then reviewed the public hearing document and explained the preferred alternatives the Council identified so far in Amendment 11. The meeting was held from about 6:15-8:15 PM.

About one-third of the audience was members of the limited access scallop fishery including limited access permit owners, captains and crew. Overall many of their comments were in support of limited entry to help stabilize the scallop fishery. Most voiced that they do not have a problem with general category vessels that have been participating in the fishery traditionally, but there are too many newcomers and that is where the problem is. One stated that there are too many little boats, bottom line. The remaining two-thirds were representatives of the general category fishery. Overall most general category participants commented that the system is not broken and limited entry is not needed. The scallop fishery is cyclic in nature; more effort comes in the good times, and some vessels leave in the hard times; it fixes itself. The main issues discussed over the course of the meeting are summarized by topic below.

Measures to control capacity and mortality in the general category fishery

Several speakers were in favor of No Action. One individual commented that the general category fishery should remain open access so that when times are good vessels can benefit, and when times are harder that effort will reduce on its own. The Council should recognize that mortality and capacity in the general category fishery are going to go up and down and this action can't fix that; in his opinion that is not a problem. It was suggested that the alternatives are too complicated and reducing the possession limit annually may be a better approach to limited entry. Another commenter added that years ago NMFS asked vessels to switch off groundfish and find other opportunities, and now that some vessels have made a go at scallops they are being punished again. One speaker commented that Amendment 11 is going in the wrong direction; it is trying to solve a problem that occurred off New Jersey several years ago and apply it everywhere across the board. He has issue with limited entry in general and how that management tool gives a renewable public resource to a small number of individuals permanently.

Several others voiced support for limited entry suggesting that it will help stabilize the fishery which is important. One added that Amendment 11 will have restrictions compared to having the ability to fish 400 pounds a day for 365 days a year, but there are stacking alternatives that would allow up to 150 trips or 60,000 pounds per vessel, and at \$6 a pound that is a pretty good earning potential for a relatively small vessel.

Qualification for limited entry

One speaker suggested that the 5,000 pound alternative should be considered because it represents a serious level of general category effort. He did not support limited entry, but if it goes that way 1,000 pounds is not realistic and will qualify too many vessels, especially if the overall allocation is

5%. Based on the landings data in the document, he explained that vessels who qualify under the 5,000 pound criterion landed about 90% of total general category landings. Another commenter suggested that the costs of fishing have increase dramatically in recent years and that should be considered when selecting how many vessels should qualify. Qualifiers will need more to make a profit when costs are so high. He suggested that the Council really needs to consider the economics of this when making decisions about a limited entry program.

Allocation of scallop TAC to the general category fishery

Several speakers commented that 5% is too low, especially if the Council is going to select a qualification alternative that is less restrictive. One speaker added that the mix on paper now (5% and 1,000 pounds during the 11-year time period) does not work. He suggested that it does not add up; there would not be enough pounds to go around to that many vessels. Another speaker suggested that the rationale for 5% according to one Committee member was that it is an appropriate level for a bycatch fishery. He further commented that people forget that the general category fishery is more than a bycatch fishery, and Amendment 4 recognized that it was established for two reasons: a bycatch fishery and a directed fishery on scallops depending on resource conditions. He would agree that if it was only a bycatch fishery then 5% may be appropriate, but since it is more than that the Council should consider what level is appropriate to also support a small directed fishery. He argued that the analysis in the document shows what amount of landings is needed to satisfy the 1000 pound and 11-year time frame (4.2 million pounds). And based on a total scallop catch of 45 million, the general category fishery should be allocated closer to 10% to meet the level of landings generated by general category qualifiers during their best year.

One commenter said that the decision should not just be based on historical landings because it has taken a long time for the resource to recover in near shore areas. In addition, the general category fishery has only been granted 2% access into the access areas. For these two reasons, he argued that historical landings for the general category fishery have been lower then they could have been. He added that there is no reason the general category fishery should not benefit from this healthy resource, the fishery has reached levels that were not imagined, and this only became a problem in the last few years when more people outside the limited access fishery were benefiting from this resource. Another commenter suggested that 11% of this resource does not seem to be impacting the limited access fishery, so the Council should consider a higher value for the general category fishery. Another cited that there is no reason the general category fishery should take a 55% reduction when they have not done anything wrong (in reference to 5% allocation in Table 15 of public hearing document); he added that 10% is a more reasonable value the Council should consider.

A representative from the limited access fishery commented that the general category fishery is making a separate fishery out of the success of the limited access fishery. He agrees there are some vessels that have done it all along, but too many vessels have switched from other fisheries and have started targeting scallops. Another added that the limited access fishery made hard sacrifices for this resource and a lot of work went into bringing this resource back. Years of investment and time supporting scallop research has been spent on helping get this resource back. Another commented that a limited entry program with 5% of this resource has the potential to be a strong small scale fishery, and in his opinion would be a strong fishery for these vessels to be involved in.

Limited access fishing under general category

Many speakers did not address this topic directly. One commented that he supports part-time and occasional vessels fishing under general category but not full-time limited access vessels.

Other comments

- **Individual allocation in trips**

One speaker commented that the preferred alternative of individual allocation in trips is fine, but allocating in 400 pound trips only is a serious problem. Many vessels in this area do not land the maximum possession limit on every trip and charging a vessel 400 pounds when they leave the dock is wrong. He suggested a potential solution that would be an allocation in units of 100 pounds. So a vessel would receive a certain number of 100 pound units and it could fish up to 4 units per trip. The vessel would have to declare how many units it was landings through VMS before crossing the demarcation line (100, 200, 300 or 400). This would provide flexibility and with VMS should not be a problem to monitor and enforce.

- **Increased possession limit seaward of the demarcation line**

One speaker voiced support for this alternative to address the current situation of being in violation of the possession limit while shucking meats up to 400 pounds.

- **Enforcement**

In general, one speaker suggested that the problem is cheating and efforts should shift to increased enforcement of the measures already in place rather than kicking people out of the fishery that have not created the problems. People hoped that VMS would solve this cheating problem, but it does not seem to be doing enough. A lot of small vessels can do damage to the resource if they are bringing in more than 400 pounds per trip. Better enforcement would help reduce the incentive to cheat and exceed the possession limit.

- **Process in general**

One commenter voiced that it is difficult to participate in this process as a small general category vessel. The limited access fishery has become so powerful and they have benefited so much from this fishery that they now have the resources and ability to drive policy.

- **Possession limit in access areas**

Suggestion that the 400 pound possession limit in access areas is not an efficient use of resources, especially fuel. He steams 7 hours to the grounds and 7 hours back to land 400 pounds. Perhaps a higher possession limit should be considered in the future to make these trips more economical.

- **Rotational area management**

One commenter voiced that we have a lot to learn from the access areas offshore. Management should instead focus on surveying more areas both inshore and offshore so we can find small sets of scallops. And when they are found they should be closed for several years so they can grow. There are several inshore areas that always get seed and we should do more to protect them.

- **Reporting issues**

One speaker voiced concern about the data that is going to be used for qualification. He looked into his own history from NMFS and it is wrong. There are inaccuracies on the dealer end as well as

mistakes when the data gets to NMFS. He argued that a full appeals process should be used, which allows vessels to bring in receipts to show when data is inaccurate.



Amendment 11 Scoping Hearing Summary
Holiday Inn Express - Fairhaven, MA
May 17, 2007

About 30 individuals attended the public hearing in Fairhaven, MA, and about a dozen gave oral comment. Rodney Avila, a member of the Scallop Committee welcomed the audience and gave an overview of the process and purpose of the meeting. David Simpson, Chair of the Scallop Committee was also in attendance in the audience. Deirdre Boelke, NEFMC staff reviewed the public hearing document and explained the preferred alternatives the Council has identified so far in Amendment 11. The meeting was held from about 6:15-7:45 PM.

Overall many speakers voiced that Amendment 11 is too focused on accommodating a wide range of vessels and not addressing capacity. It was suggested that there is flexibility in the document to create a diverse general category fleet within a 5% allocation aside from the preferred alternatives selected for qualification. Another suggested that Amendment 11 has too much in it and in trying to do too much for too many it will end up hurting the ones it is trying to protect. It was suggested that there are too many unknowns in terms of loopholes lawyers are going to be able to find in this amendment, and it will come out very different than what people expect.

Several speakers voiced that this action has lost sight of what the general category permit was established for, but there was some disagreement among the speakers about what that actually was. One commented that the 400 pound permit was established in Amendment 4 to accommodate vessels that did not qualify for limited access. In their words, the State of Maine would not support the overall plan unless there was an option for reduced access for non-qualifying vessels. The commenter explained that many other compromises were made in Amendment 4; the scallopers gave 40 pounds to the groundfish fishery as bycatch and the groundfish fishery gave 3 totes of groundfish (300 pounds) between January to June. But another commenter explained that Amendment 4 states that the general category permit was established for two reasons: a bycatch fishery and a directed fishery when the resource is available. He further suggested that everything is different now and we should base decisions on current conditions because this resource has been rebuilt to a level that no one ever expected during development of Amendment 4.

One speaker added that this entire situation with the general category fishery could have been avoided. It was suggested that there have been signals and NMFS should have done something sooner. Thousands of permits should not have been given out, particularly back in the years when the fishery was under drastic reductions. More permits were given out, people made large investments, and it should have been avoided. The speaker went on to say that NMFS implements emergency action for reasons less warranted than this, and inaction has pitted two fisheries against each other and that is wrong. NMFS has mismanaged this resource and now fishermen are fighting fishermen over the same loaf of bread. This resource has been mismanaged and it is not acceptable.

Measures to control capacity and mortality in the general category fishery

Several speakers suggested that something has to be done to control capacity and mortality in the general category fishery. He said that Amendment 4 was hard, and people that were around then have suffered. It is lucrative now and it is understandable why people would want to scallop now, but he believes that the people that suffered should reap the benefits. He added that it is one thing if benefits trickle down to the little guy from resource recovery, that is what should happen and he supports the little guy, but if it impacts the directed fishery then something should be done.

Another commenter suggested that Amendment 11 is an example of why our Council is in trouble. He suggested that Amendment 11 does not address the real problems with the general category fishery. He said that we are in this mess because we are trying to make a directed fishery out a fishery that was not supposed to be one. In his opinion, this action will qualify the wrong vessels and will change the general category fishery, so he is opposed to all measures in the document. But another commenter disagreed and explained that the general category fishery was also intended to be a directed fishery for some vessels when the resource was available.

Another commenter suggested that this problem is analogous to the California gold rush. Many vessels participate when the going is good, but everything will change when the going gets tough, and he believes many of these vessels will just sell out later when scallops are not as easy to catch.

Qualification for limited entry

Several speakers discussed that there is a group of vessels that have directed on this fishery and are dependent and they should be treated differently than part-time and vessels that co-harvest scallops with other fisheries. One speaker suggested that there are alternatives in the document that could maintain a diverse general category fleet within a 5% allocation and not have large impacts on vessels that are dependent on this permit. For example, if the NGOM alternative were selected that would accommodate one component of this fishery and could leave more allocation for the dependent vessels, the No Action alternative for vessel history could reduce the pool of qualifiers, and even the tier based alternative could broaden the range of qualifiers, but leave more for vessels that are more dependent. Overall, one speaker commented that the Council has labored long and hard to do this right, and the Council does not want to take anything away from someone who perceives they should have access to the fishery. He suggested that some level of tiers or different permit levels may help address that so long as there are not too many qualifiers.

Allocation of scallop TAC to the general category fishery

Several speakers commented that the Council is being too accommodating for the general category fishery with this action and an allocation closer to 2.5 or 3% is more appropriate. One argued that 5% is the level of landings the general category fishery landed in 2004 when the control date was put in place and that is higher than any year previous to that. He suggested that basing this decision on recent years only would be a mistake. In addition, the 10% value for the interim period is far too generous especially since that will be limited to qualifying vessels only. He argued that landings in recent years have included effort from vessels that are not going to qualify so 10% is too high and not appropriate.

On the other hand, another commenter suggested that the Council should consider more recent years when making this allocation decision. In his opinion, the resource has finally recovered in

near shore areas and general category vessels have only recently benefited from this recovery. General category vessels should not pay the price of declined resources in near shore areas indefinitely in the future since that depletion was caused by a number of factors including limited access fishing effort. He argued that the Council is justified in using the more current historical landings because these landings better reflect the current situation. He argued that since this fishery is more than a bycatch fishery it should be allocated more than a bycatch level of harvest (i.e. higher than 5%). But if the Council decides to only allocate 5% then he suggests that the qualification criteria would have to be more restrictive. There was some debate about who was at fault for the depleted inshore scallop resource, but in the end one commenter voiced that this fishery as a whole needs to focus on how best to share this resource and not point fingers.

When considering the percent decision, one speaker voiced that the Council should be aware that the analyses in the document includes "best year" for landings, which is higher than the landings the general category had when it landed 5% of the total fishery.

Related to allocation to the general category fishery, one speaker suggested that the Council should keep in mind the decisions it made related to the limited access scallop fishery in Amendment 4 when making this allocation decision in Amendment 11. Typically the Council never wanted to take rights away from anyone, and in most limited entry programs in this region more permits are issued than should be and vessels were given permits for species they never caught. But in the case of the limited access scallop fishery, these vessels had history in other fisheries, but they had to give up permits in these fisheries when those same permits were being given out to other vessels with no history. He went on to say that for some reason the Council treated this fishery uniquely, and developed a fleet that is exclusively dependent on one species. He suggested that Amendment 11 should strive to allow general category vessels to continue what they are doing, but the Council needs to remember that it created a limited access fleet that is completely dependent on scallops, a highly variable resource, and that resource cannot just be given away to vessels that may or may not depend on it.

Limited access fishing under general category

One commenter suggested that most limited access scallop vessels own other limited access permits so they can participate in other fisheries. Another speaker later in the evening suggested that many of those permits are probably fluke or monkfish permits, which are technically other limited entry permits, but in reality they are not a viable alternative to scallop fishing and very few vessels have revenue from these other fisheries. In general many speakers did not comment whether limited access vessels should or should not be permitted to fish under general category.

Measures for better and more timely integration of scallop data

One commenter voiced that the fishing year should not change. It was discussed that the entire scallop survey program is up in the air and we do not even know how we are going to survey the resource in the future. In their opinion, it does not make sense to force the industry to change to accommodate the NMFS research schedule. It was suggested that the fishery has been set up with a March 1 start date for years and there has to be a better way to address this problem.

Other comments

- **Permit stacking**

One commenter voiced that stacking should not be permitted in one component of the fishery and not another. It would be going too far in this action to include stacking. Another commenter voiced opposition to stacking; it would just lead to the limited access fishery to buy up general category access.

- **Sectors**

Not appropriate to allow sectors in one component of the fishery and not the other. One suggested that it would lead to consolidation.

- **Maximum percentage ownership**

It was suggested that this provision is a hoax just so we feel good, but everyone involved in this process knows that this provision is a joke and there are ways to get around it.

- **Delayed implementation**

One commenter does not understand why implementation is going to take so long. They have implemented other things faster and reporting has improved.

- **Other management issues**

Amendment 11 has distracted the process from much larger management problems in the scallop fishery such as the Hudson Canyon area. We have been so focused on this action that larger problems for the scallop resource have been left to continue and the resource will be much worse off as a result.



Amendment 11 Scoping Hearing Summary
Holiday Inn Express – Ellsworth, ME
May 21, 2007

Over 30 individuals attended the public hearing in Ellsworth, ME, and almost 20 gave oral comment. David Simpson, the Chair of the Scallop Committee welcomed the audience and gave an overview of the process and purpose of the meeting. Dana Rice and Terry Stockwell, members of the Scallop Committee were also in attendance in the audience. Deirdre Boelke, NEFMC staff reviewed the public hearing document and explained the preferred alternatives the Council has identified so far in Amendment 11. The meeting was held from about 6:15-8:45 PM.

The overall sentiment from this hearing was that the members of the audience support No Action for Amendment 11 and the document is trying to do too much and it is too broad. Overall, many individuals that have fished for scallops for decades are not going to qualify for this fishery for a variety of reasons and that is wrong. One speaker explained that we are in this mess because of a problem going on south of Long Island, and a one-size fits all approach to this is not going to work. There was general frustration with how federal fisheries have been managed, and speakers were upset that fisheries are becoming completely corporate run at the expense of the little guy, and they are tired of having to fight for every last fishery. One speaker explained that if the general category permit been implemented as it was supposed to be under Amendment 4 – with restrictions and only in waters east of 72° 30, then we would not be in the bind that we are today because that permit was open access to all areas. Another individual that was involved in the Amendment 4 process explained that the permit was introduced to preserve access for small boat fishermen across the coast. This permit was never intended to be used for dragners or DAS boats, or a directed fishery by trawl vessels; it was set up for the traditional small scallop dredge fishery.

In general, it was suggested that Amendment 11 is not going to solve our problems and it goes against what the general category permit was established for to preserve the small boat fishery. One speaker explained that the small boat fishery needs to be diverse and the need other options to survive in case their primary fishery, lobster for most people now, takes a downturn. One speaker said that he is not scalloping now, but he has the permit and bought VMS to preserve his ability to have other options in case he can't make it lobstering for some reason, and does not believe that ability should be taken away from him. In addition, several speakers voiced that this plan will make the last generation of fishermen right now – there will be no way for young fishermen to get in the business in the future without open access permits and that is not right.

Measures to control capacity and mortality in the general category fishery

Most speakers voiced support for No Action. Several went on to explain that they support No Action, but if the Council goes with limited entry there are few alternatives in the document that would be good for Maine. One speaker explained that scalloping started in Maine but Maine got a bad deal from the limited access program established in 1994 under Amendment 4, and the Council continues to ignore the needs of Maine. Another speaker explained that the majority of general category landings used to be from New England, particularly Maine, and in recent years over 60% of total landings are now from the Mid-Atlantic (Table 10 of public hearing document). He went on to say that could switch again and that is why limited entry is not the answer for this fishery; all the permits could end up in New Jersey and when the resource recovers in the GOM the vessels in this

area will not be permitted to catch them. He compared this situation to the quahog fishery and the issue of most of the quahog quota now being in the Mid-Atlantic. Ultimately he suggested that Amendment 11 could address capacity and mortality by prohibiting limited access vessels from fishing under general category and focusing controls on waters west of 72° 30 W, leaving No Action for waters east of 72° 30 W. Scallop landings were very high in Maine in the 1980s and that could happen again, so when it does vessels from Maine should benefit in his opinion.

One commenter discussed that earlier in the process the advisors tried to develop alternatives that would divide the two areas, but it failed. He explained that the areas are totally different biologically and the fisheries and regulations are very different as well. He argued that all the gear should be the same in all areas, unless fishing under a DAS in another fishery.

Qualification for limited entry

Some voiced support for the preferred alternative because it is more inclusive. But one speaker suggested that if the preferred alternative is selected with a 5% allocation that would devastate general category vessels that depend on scallops. If the allocation is 5%, he recommends that the criteria would have to be more restrictive.

Related to individual allocation, one speaker voiced that the playing field is not level because vessels from the south are permitted to use more gear and since the rules have been different depending on where you fish, some vessels could build their history easier than other vessels. Vessels in this area are restricted to one 10.5 ft. dredge, while vessels in the south can fish up to a combined dredge width of 31 feet. Many speakers explained that they have been lobstering because that fishery has been great recently, but something could happen and they need a scallop permit to fall back on. One explained that he did not want to go to the Cape when scalloping got bad in Maine, he wanted to stay with his family and now he is never going to be able to fish for scallops again. He actually qualified for a part-time permit under Amendment 4 but he chose to keep his groundfish permit because they told him he could not have both, but he qualified for both so should have been able to keep both.

Several speakers voiced support for individual allocation if limited entry is adopted, but in pounds not trips. One suggested that allocation should be in pounds and each vessel should be permitted to catch their allocation the most profitable way they can (i.e. higher or no possession limit). Furthermore, he was in favor of individual allocation of access area trips for general category trips.

Allocation of scallop TAC to the general category fishery

None of the speakers spoke in favor of the preferred alternative of 5% allocation for the general category fishery. One speaker could not understand how 330 limited access vessels could be allocated 95% and 3,000 general category permits get 5%. Another commented that several individual limited access vessel owners control more or close to 5% of the entire scallop fishery, equal to the entire general category scallop fishery under the preferred alternative of 5%. Another voiced that 5% is an insult and unfair; it is bad enough that these small vessels have to compete with the large corporate fleets and he suggested that 50% makes more sense.

Another commenter explained that landings from the general category fishery are from areas outside the scallop survey area. So the 5% TAC is being set aside for a fishery that we do not survey and know nothing about. He argued that before a TAC is set aside for the general category fishery the area should be surveyed first.

Northern Gulf of Maine

One speaker commented that the Gulf of Maine is a different ecosystem. The waters are colder so scallops grow slower, thus recovery times are going to be longer too. One speaker was nervous about the NGOM alternative because there are aspects of it that are undefined. He felt that alternative may be a good idea, but in the end may not be a better choice for Maine and may fall apart. Another commenter supported the NGOM alternative and felt it was well thought out and would help vessels from Maine; he expressed support for Option B, 34° N as the boundary. Another speaker voiced support of the NGOM alternative because the group he represents supports measures that provide fishing access to small vessels that in turn help fishing communities in Maine. He agrees it is a distinct area with unique characteristics and should be managed separately.

One speaker said the NGOM alternative makes sense and he does not understand why someone would not support that alternative. He explained that Maine's economy is very dependent on fishing and needs these permits to sustain this way of life; a couple hundred permits for Maine is not going to support the thousands of vessels that are in Maine. But another commenter said that people should not think that the NGOM alternative is going to save Maine, because many vessels are not going to qualify for that either. In 2002 he invested a quarter of a million dollars in a vessel to scallop, but he did not land any scallops until after the control date so what is he supposed to do.

Limited access fishing under general category

Most speakers support prohibiting limited access vessels from fishing under general category. One speaker did not understand why that was allowed in the first place and did not think it was appropriate. Another voiced that the 400 pound permit could not be the problem when limited access vessels come in with 30,000 pounds of scallop meat on one trip. One speaker added that part-time and occasional limited access vessels that are more dependent on the general category fishery should be permitted to fish under general category, but full-time limited access vessels are not dependent enough. However, another speaker voiced that all limited access vessels should have privilege to fish under general category as well because they are not permitted to fish in other fisheries.

Other comments

- **Limited access effort in near shore Maine**

Several speakers discussed times in the past when larger limited access scallop vessels fished in near shore waters in Maine. It was suggested that this effort helped deplete the resource in the GOM and if anything limited access fishing effort should be eliminated in this area to save some for smaller vessels.

- **Owner operator**

It was suggested that an owner operator clause would prevent all these problems and save the general category scallop fishery. He suggested that there has never been an owner operator fishery that has been overfished. It would help keep general category scallop fishing in the hands of fishermen.

- **Yellowtail flounder bycatch**

One speaker voiced that if YT catch on general category boats counts against the total bycatch TAC, then general category vessels should be permitted to catch and land the yellowtail they catch because the fish are dead anyway.

- **Increase of possession limit seaward of VMS demarcation line**

One speaker voiced that 50 bushels or 34 orange baskets is not equal to 400 pounds of meat anywhere in the ocean at any time. Right now, he explained that it takes about 88 orange baskets to equal 400 pounds so vessels are in violation while fishing when getting closer to possession limit. On a different note, the 400 pound possession limit is a waste of fuel; it is not efficient for vessels. But another speaker voiced support for the 400 pound limit explaining that there are many instances where 400 pounds is not realistic because of weather etc. He argued that the 400 pound restriction helps to preserve the small boat fishery.

- **Fishing history alternative**

One speaker said that her husband has been fishing for scallops since 1968 and he is not going to qualify for a permit under this plan because he sold his vessel recently and that is sad. Another argued that this is socialism and people without history are going to get a permit and not the individuals that deserve one. Several people explained that they did not retain their history and NMFS told them they would not have to keep their permit because it was open access and they could always get another one. One speaker said he was told that it would be easier to just get a new permit, and while that may be true, now he is left with a new permit and his history is gone. Another individual said he took 4-5 years off the scallop fishery to help it recover, and now he is going to be pushed out of this fishery. Another speaker said he understands that it is his fault if he did not retain anything, but NMFS told him he would not have to. And since he has been in the state water exemption program fishing in state waters he has not reported those landings so that history is gone too.

- **Fisheries in Maine**

Several voiced that small inshore boats need to be able to switch fisheries or they are out of business. There are very few if any other job options aside from fishing in these small towns in Maine. If fishing does not work out you have to move, so vessels need to maintain diversity. Another commented that the state of Maine is not represented enough in the process. Maine should be looked at differently because it is different. The weather is different up here, the bottom is different up here and the vessels are smaller. The documents should have more information about the fishing communities in Maine and what they need.

No one is selling scallops in Maine any more. One buyer explained that she has not bought scallops in five years and used to be one of the larger scallop buyers in the region. Another scallop buyer explained that he used to buy scallops from 15-20 boats during the winter, but now he is down to two. We would have a fishery if the resource was here, but it is not. Another commented that, "we fish up in Maine to take care of our needs, and not our greeds." This action shows how greedy some people in this industry have gotten. My impacts on this resource are nothing compared to someone who owns twenty limited access vessels. I feel like I am being pushed out of the picture by these large vessels, and it is not right that I have to fight for a 400 pound permit; it is discrimination and unfair.

- **Fisheries management in general**

One said that whenever the federal government gets involved in fisheries management, small communities in Maine get hurt. Another commented that regulations are making fishermen crooks.



Amendment 11 Scoping Hearing Summary
New England Center at UNH – Durham, NH
May 22, 2007

Only one individual attended the public hearing in Durham, NH and since she is a staff member for NH Fish and Game no oral comments were given at the meeting.



Amendment 11 Scoping Hearing Summary
Virginia Marine Resources Commission – Newport News, VA
May 29, 2007

About 25 individuals attended the public hearing in Newport News, VA, and about a dozen gave oral comment. David Simpson, Chair of the Scallop Committee welcomed the audience and gave an overview of the process and purpose of the meeting. Deirdre Boelke, NEFMC staff then reviewed the public hearing document and explained the preferred alternatives the Council has identified for Amendment 11. The meeting was held from about 6:00-7:45 PM.

Several speakers commented that the decisions in Amendment 11 are difficult but necessary to protect both the scallop resource and fishermen. One commented that Amendment 4 left one segment of the fishery uncontrolled and action is necessary to address that. Furthermore, several suggested that since 1994 the limited access fleet has been cut back, but the general category fishery has grown unconstrained and that has led to what one described as the tragedy of the commons. On the other hand, more than a handful of speakers disagree that additional limits should be put on the general category fishery. They commented that the scallop resource is from federal fishing grounds and everyone should have an equal opportunity to catch it. Several suggested that Amendment 11 will take freedom away from people that have a right to make a living from a public resource. One suggested that if an overall limit needs to be put in place to prevent overfishing then it should be a hard-TAC with open access. In addition, several speakers commented that they were not aware of the control date and it would not be just to use it. They argued that NMFS has failed to do their job and should have specifically told vessel owners about the risks of fishing under a permit post the control date.

Measures to control capacity and mortality in the general category fishery

Most speakers agreed that controls are needed for the general category fishery; some voiced support for limited entry and others for a hard-TAC under open access. Several commented that individuals that have been watermen for decades should not be prohibited from fishing. One commented that it would not be right to give a permit to someone who never fished in the past, but gave scalloping a try for one year in 2002, and not give a permit to someone that has fished all their life in other fisheries, but only scalloped in 2005 after the control date. Several added that limited entry is not the answer because many people have invested money in vessels to scallop and if they do not qualify they will be unable to pay back their loans. One commented that at least under open access with a hard-TAC every vessel would have an opportunity to fish what they can. One speaker added that while he may qualify, the number of trips that he would likely be allocated based on the preferred qualification and allocation alternatives would make it impossible for him to make a living. Lastly, one fisherman suggested that weather limits the general category fleet, so overharvest from that sector of the fleet is not an issue because most vessels are unable to fish all year round.

Qualification for limited entry

A few speakers voiced support for the preferred alternative of 1,000 pounds and 1994-2004 for qualification criteria. However, several warned those alternatives may not be restrictive enough and too many vessels would qualify. One commented that there is only one pie to take from and

while the Council may want to let more vessels in, in his opinion serious general category fishermen would oppose the less restrictive qualification alternatives. As for the control date, the speakers were split on the issue. Some suggested that the control date has to be used; it is a fundamental part of a limited entry program. One stated that the control date was well published and was discussed for years before it was put in place. Several argued against use of the control date and suggested that at least vessels that have made scallop landings after the control date should be considered (119 vessels). He suggested that NMFS should not have given permits out after the control date, but since they did they should honor the ones that were given out. Another agreed that NMFS should have told vessels about the control date when they got a new permit after November 1, 2004; but he argued that individuals also should have done their homework about the risks involved with getting a permit after a control date has been established.

Allocation of scallop TAC to the general category fishery

One major topic discussed at this hearing was the allocation percentage for the general category fishery. About half the speakers voiced support of 2.5 to 5%, and the other half argued for a higher allocation (i.e. 15% or 50% - higher than the maximum 11% under consideration). Some argued that 5% is plenty generous; it is more than double of historic landings before the control date. One argued that using landings post the control date for this decision would not be appropriate. Another suggested there may be enough for everyone, but to give a fishery to one group of vessels when fishing is good takes it away from another group of vessels that have suffered when times were bad, and that is not right in his opinion. Another argued that the Council needs to keep in mind that the limited access scallop fishery is 100% dependent on scallops and they have very few alternatives, so a realistic decision should be made regarding allocation, and in his opinion 5% is realistic. He added that if there had been no controls on the limited access fishery the resource would not have recovered, and the general category fishery would not have benefited from this recovery.

On the other hand, several speakers did not support the preferred alternative of 5% for the general category fishery. One argued that it is not fair that the limited access fishery should get 95% of this public resource; he suggested that 15% for 600 or so vessels is more reasonable. One speaker suggested that whatever current landings are should be used as the percent because high prices attracted all the vessels in 2005, but they are gone now and the only ones left are the vessels that want to stay in this fishery. He suggested that around 12% would provide a level of landings that could support a general category fishery for the vessels that are fishing in it now. Another commented that this action is putting the two fisheries against each other and they really should not fight; he commented that the smaller vessels deserve a piece of the pie too and 5% is too small. Another suggested that there is science available that managers in this region are ignoring that would enable total scallop landings to reach 200 million pounds; he argued that if it were used then everyone could fish and this action would not be necessary, there would be plenty of scallops for everyone.

Limited access fishing under general category

Comments were split on this issue. Some voiced support for limited access vessels to fish under general category if they qualify under the same criteria, and others suggested that limited access vessels should be prohibited from fishing under general category.

Measures to better integrate scallop data

Several speakers spoke against changing the fishing year to better improve integration of scallop data in the management process. Instead, it was suggested that the general category permit

should be issued on March 1 to improve integration of fishery data. One speaker said that the science used in scallop management is not correct and is not the best available, so changing the fishing year will not address that. He argued that there is science that supports how to increase landings in the scallop fishery but our regional scientists and managers ignore it.

Other comments

- **Stacking**

Several speakers spoke against stacking because it counters the vision statement of Amendment 11. However, several speakers supported some level of stacking.

- **YT bycatch TAC**

Several speakers spoke in favor of allocating a portion of the yellowtail flounder TAC to the general category fishery.

- **Public hearing document**

One commenter suggested that the public hearing document, and Amendment 11 in general is too confusing and an average fisherman cannot understand it. He suggested that the Council should go back and improve the document so that the public can understand it and it should be based on the best available science.

- **Interim measures for transition to limited entry**

One voiced support for the hard-TAC alternative to limit the total mortality from the general category fishery as it transitions to limited entry.

- **Monitoring**

One speaker voiced support for use of the IVR system to improve monitoring in the general category fishery.

- **Owner/operator**

One speaker suggested that the fishery should be owner/operator. He added that mandatory drug testing would help clean up this fishery if people were serious about making this fishery right.

- **Conflict of interest**

One speaker noted that it is not right if a Council member has an interest in the limited access scallop fishery and they are allowed to develop and vote on Amendment 11. He suggested that if an individual has ties to the scallop fishery it should not be legal, and it is not just for them to vote on Amendment 11.



Amendment 11 Scoping Hearing Summary
Holiday Inn – Manahawkin, NJ
May 30, 2007

Almost 30 individuals attended the public hearing in Manahawkin, NJ, and about a dozen gave oral comment. David Simpson, Chair of the Scallop Committee welcomed the audience and gave an overview of the process and purpose of the meeting. Deirdre Boelke, NEFMC staff then reviewed the public hearing document and explained the preferred alternatives the Council has identified for Amendment 11. The meeting was held from about 6:00-7:45 PM.

Overall the majority of comments at this meeting were about the allocation decision for the general category fishery. Unique to this meeting compared to other public hearings, there was general consensus and support of the preferred alternative of 5%. Several speakers argued that 5% is too high, and it is inappropriate for the Council to support an allocation that is above the historical average of this fishery, especially when limited access effort was reduced during the same time period. One general category vessel owner added that 5% is reasonable, but is only workable if the qualification criteria are more restrictive; he argued that the 1,000 pound and 11-year criteria would qualify too many vessels and no one would be able to make a living.

Measures to control capacity and mortality in the general category fishery

Very few speakers addressed this issue directly, but most that did supported limited entry alternatives. One argued that unless controls are put in place some general category vessels will just move to areas of concentrated scallops and fish them out. He explained that some of the general category vessels that used to land in Cape May, NJ have moved north to Point Pleasant because the inshore areas around Cape May have been fished out. Another explained that the limited access boats did the same thing when the resource was in bad shape – they fished out areas until there was nothing left because they did not have incentive to move. He argued that without constraints on the general category fishery aside from a possession limit, they too have little incentive to move out of less productive areas. One individual said that he is happy the Council is finally addressing the general category fishery and wished it could have been done sooner. Another added that he was around in 1994 and we should do everything we can to avoid getting in that situation again. One commenter added that this fishery as a whole has to do everything it can to prevent overfishing. He added that if this resource approaches overfishing all the “eco-friendly” markets will disappear and the price will drop having negative impacts on both fisheries. No one voiced support for the No Action alternative or a hard-TAC as a preferred strategy for controlling capacity and mortality in the general category fishery.

Qualification for limited entry

Several speakers supported more restrictive qualification criteria, specifically 5,000 pounds and the five-year timeframe of 2000-2004. They argued that the preferred alternatives for qualification would create too many permits and no one would be able to make a living, particularly if the Council was serious about the 5% allocation. One limited access vessel owner added that the preferred alternative may estimate 459 vessels now, but when it is all said and done that number is bound to go up. One speaker added that he has two vessels that will only qualify under the 1,000 pound alternative and that only one of the vessels will qualify under the

5,000 pound alternative. The commenter stated that he supports the 5,000 pound alternative, which will only qualify one of his vessels, because 1,000 qualifies too many vessels, and there is not enough to go around for 500 vessels. Another argued that the 11-year time period is just too long and another commented that he understands why the Council wants to be inclusive, but in his opinion the preferred alternatives would qualify too many. Furthermore, he supports the alternative that would index a vessels contribution based on the number of years active in the fishery.

Several commented on the access strategy for qualifying vessels. Some supported an individual allocation in trips or pounds. However, several supported a tier system arguing that an individual allocation would be overboard for this fishery. Another voiced support for a tier system if it was easier to implement, but suggested that an additional tier should be considered above the 20,000 pound tier in the document for more directed vessels (i.e. a fourth tier at 40,000 pounds and above).

Allocation of scallop TAC to the general category fishery

Several speakers noted that the general category fishery has increased as a result of controls and innovative changes in the limited access fishery such as crew limits, minimum ring size, and DAS effort controls. One argued that the limited access fishery has made sacrifices and it would be fundamentally wrong to base this allocation decision on post control date landings data. Another argued that it would be a mistake to allocate more than historical contributions; he added that the general category has experienced a bubble in the last few years and it should not be rewarded. Another added that if the Council wants the general category fishery to be more of a mom and pop operation then 2.5% is more reasonable. One speaker voiced support for 5% because that is about the level of total general category landings when the control date was put in place; he argued that would be consistent with the qualification alternatives that are through the control date.

Limited access fishing under general category

Not many speakers spoke to this issue, but most that did agree with the preferred alternative. One speaker noted that the Council is considering an allocation to the general category that is over 200% of the historical average but the 0.5% allocation for limited access vessels under general category would be over a 50% reduction, based on historical landings. Several speakers voiced that the allocation should be in line with each other, and be based on historical averages.

Interim measures for transition to limited entry

The majority of commenters spoke to this issue in disbelief that an 18-24 month transition period would be necessary; they did not understand how it would take so long or why the Council and NMFS would support continued overfishing of inshore areas. Several suggested that NMFS and the Council should be more creative about measures that can control capacity until Amendment 11 can be fully implemented. For example, it was suggested that NMFS can send out letters now requesting individuals to get their landings history in order. In addition, NMFS could identify the potential qualifiers and allocate an interim individual access (in number of trips or pounds) until the final universe of vessels is known. He added that NMFS could allocate one amount the first year, and then a higher or lower amount the following year after the final pool of qualifying vessels is known. Several argued that a derby for two years would have negative impacts, and several commented that 10% is way too high. Another suggested that based on the analysis in the document, NMFS must have a pretty good idea of who is going to qualify and it should not take 18 months. Another voiced support for the interim alternatives, but wished Amendment 11

could be implemented faster. Lastly, another commented that for the interim period the percent of access general category vessels are allocated in access areas should remain at 2%.

Measures to better integrate scallop data

Several commenters suggested that the fishing year should not be changed. One added that it is important that the fishing year starts when yields are high in the spring. Another argued that the cooperative survey program is under review and is not complete yet, so changing the fishing year now when the survey timing and design may also change would be a mistake. Instead, he suggested that the Council support the alternative to change the issuance date of general category permits to help integrate fishery data more quickly.

Other comments

- **Stacking**

A handful of speakers spoke against stacking to help this fishery remain an inshore fishery and preserve the “mom and pop” nature of the general category fishery.

- **Measures to reduce incentive to scallop with trawl gear**

Several voiced support for these measures to increase yield per recruit in the scallop fishery.

- **NGOM**

A handful of speakers voiced support for the NGOM preferred alternative because mortality from that area should not affect the overall resource.

- **YT bycatch TAC**

Some voiced support for a separate allocation of yellowtail flounder bycatch for the general category fishery.

- **Permit provisions**

One speaker was surprised that the Council did not identify Alternative 3.1.2.5.9 as preferred. He suggested that the Council should not make the same mistake it did with the limited access scallop fishery; that is a qualifier should be permitted to have both a limited entry general category scallop permit and a limited entry multispecies permit. Another commented that he did not support the preferred alternative to qualify an individual that held onto their history but sold their vessel. He argued that history is history and when an individual buys a boat they expect to get all the history that comes with it.

- **Monitoring**

One speaker suggested that reporting should be required by VMS.

- **Clarify net alternative**

One commenter suggested that the alternative to clarify that monkfish and multispecies vessels are not subject to the 144 ft. sweep restriction when fishing for other species should include other fisheries in the Mid-Atlantic such as fluke, scup and squid.

- **Special circumstances**

One individual argued that the Council should consider some special circumstances during the qualification period. He explained that he had a boat built in September of 2004 to be a directed general category vessel, but by the time he got a permit and landings the control date passed so

he is not going to qualify. He believes that NMFS was not upfront about this process and he supports some sort of special circumstance clause for Amendment 11. He agrees that the re-rigging clause in the Monkfish plan was a mistake and was abused, but buying a vessel shows serious investment and is much different than buying a dredge.

Appendix IV
For Amendment 11 to the
Atlantic Sea Scallop Fishery Management Plan

Summary of Atlantic Sea Scallop Stock Assessment (2004)

**Sea Scallop
Stock Assessment Update
for 2005**

by Deborah R. Hart

September 2006

Recent Issues in This Series

- 05-19 **Seasonal Management Area to Reduce Ship Strikes of Northern Right Whales in the Gulf of Maine**, by RL Merrick. December 2005.
- 06-01 **42nd SAW Assessment Summary Report**, by the 42nd Northeast Regional Stock Assessment Workshop. January 2006.
- 06-02 **The 2005 Assessment of the Gulf of Maine Atlantic Cod Stock**, by RK Mayo and LA Col. March 2006.
- 06-03 **Summer Abundance Estimates of Cetaceans in US North Atlantic Navy Operating Areas**, by DL Palka. March 2006.
- 06-04 **Mortality and Serious Injury Determinations for Baleen Whale Stocks along the Eastern Seaboard of the United States, 2000-2004**, by TVN Cole, DL Hartley, and M Garron. April 2006.
- 06-05 **A Historical Perspective on the Abundance and Biomass of Northeast Complex Stocks from NMFS and Massachusetts Inshore Bottom Trawl Surveys, 1963-2002**, by KA Sosebee and SX Cadrin. April 2006.
- 06-06 **Report of the GoMA GOOS Workshop on Objectives of Ecosystem Based Fisheries Management in the Gulf of Maine Area, Woods Hole, Massachusetts, 11-13 May 2004**, by S Gavaris, WL Gabriel, and TT Noji, Co-Chairs. April 2006.
- 06-07 **Vida de los Pescadores Costeros del Pacífico desde México a Perú y su Dependencia de la Recolecta de Conchas (*Anadara* spp.), Almejas (*Polymesoda* spp.), Ostiones (*Crassostrea* spp., *Ostreola* spp.), Camarones (*Penaeus* spp.), Cangrejos (*Callinectes* spp.), y la Pesca de Peces de Escama en Los Manglares [The Fishermen's Lives in Pacific Coast Villages from Mexico to Peru, Supported by Landings of Mangrove Cockles (*Anadara* spp.), Clams (*Polymesoda* spp.), Oysters (*Crassostrea* spp., *Ostreola* spp.), Shrimp (*Penaeus* spp.), Crabs (*Callinectes* spp.), and Finfish]**, by CL MacKenzie Jr and RJ Buesa. April 2006.
- 06-08 **Bloom History of Picoplankter *Aureococcus anophagefferens* in the New Jersey Barnegat Bay-Little Egg Harbor System and Great Bay, 1995-1999**, by JB Mahoney, PS Olsen, and D Jeffress. May 2006.
- 06-09 **42nd Northeast Regional Stock Assessment Workshop (42nd SAW) Stock Assessment Report**, by the Northeast Fisheries Science Center. May 2006.
- 06-10 **Assessment of the Georges Bank Atlantic Cod Stock for 2005**, by L O'Brien, N Shepherd, and L Col. June 2006.
- 06-11 **Stock Assessment of Georges Bank Haddock, 1931-2004**, by J Brodziak, M Traver, L Col, and S Sutherland. June 2006.
- 06-12 **Report from the Atlantic Surfclam (*Spisula solidissima*) Aging Workshop Northeast Fisheries Science Center, Woods Hole, MA, 7-9 November 2005**, by L Jacobson, S Sutherland, J Burnett, M Davidson, J Harding, J Normant, A Picariello, and E Powell. July 2006.
- 06-13 **Estimates of Cetacean and Seal Bycatch in the 2004 Northeast Sink Gillnet and Mid-Atlantic Coastal Gillnet Fisheries**, by DL Belden, CD Orphanides, MC Rossman, and DL Palka. July 2006.
- 06-14 **43rd SAW Assessment Summary Report**, by the 43rd Northeast Regional Stock Assessment Workshop. July 2006.
- 06-15 **Documentation for the Energy Modeling and Analysis eXercise (EMAX)**, by JS Link, CA Griswold, ET Methratta, and J Gunnard, Editors. August 2006.
- 06-16 **Northeast Fisheries Science Center Publications, Reports, and Abstracts for Calendar Year 2005**, by L Garner and J Gunnard. August 2006.
- 06-17 **Stock Assessment of Summer Flounder for 2006**, by M Terceiro. August 2006.
- 06-18 **Environmental preferences of herring under changing harvest regimes**, by KD Friedland, JE O'Reilly, JA Hare, GB Wood, WJ Overholtz, and MD Cieri. August 2006.
- 06-19 **Estimated Average Annual Bycatch of Loggerhead Sea Turtles (*Caretta caretta*) in U.S. Mid-Atlantic Bottom Otter Trawl Gear, 1996-2004**, by KT Murray. September 2006.

Sea Scallop Stock Assessment Update for 2005

by Deborah R. Hart

National Marine Fisheries Service, 166 Water Street, Woods Hole MA 02543; deborah.hart@noaa.gov (email)

**U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Northeast Fisheries Science Center
Woods Hole, Massachusetts**

September 2006

Northeast Fisheries Science Center Reference Documents

This series is a secondary scientific series designed to assure the long-term documentation and to enable the timely transmission of research results by Center and/or non-Center researchers, where such results bear upon the research mission of the Center (see the outside back cover for the mission statement). These documents receive internal scientific review but no technical or copy editing. The National Marine Fisheries Service does not endorse any proprietary material, process, or product mentioned in these documents.

All documents issued in this series since April 2001, and several documents issued prior to that date, have been copublished in both paper and electronic versions. To access the electronic version of a document in this series, go to <http://www.nefsc.noaa.gov/nefsc/publications/series/crdlist.htm>. The electronic version will be available in PDF format to permit printing of a paper copy directly from the Internet. If you do not have Internet access, or if a desired document is one of the pre-April 2001 documents available only in the paper version, you can obtain a paper copy by contacting the senior Center author of the desired document. Refer to the title page of the desired document for the senior Center author's name and mailing address. If there is no Center author, or if there is corporate (*i.e.*, non-individualized) authorship, then contact the Center's Woods Hole Laboratory Library (166 Water St., Woods Hole, MA 02543-1026).

This document's publication history is as follows: manuscript submitted for review August 24, 2006; manuscript accepted through technical review September 5, 2006; manuscript accepted through policy review September 8, 2006; and final copy submitted for publication September 8, 2006. This document may be cited as:

Hart DR. 2006. Sea scallop stock assessment update for 2005. US Dep. Commer.,
Northeast Fish. Sci. Cent. Ref. Doc. 06-20; 14 p.

Table of Contents

Introduction	1
Life history and distribution	1
Landings	2
Surveys	2
Fishing mortality estimates	2
Status determination for 2005	3
References	3

List of Tables

Table 1.	U.S. sea scallop landings, 1964-2005	4
Table 2.	NEFSC sea scallop survey stratified means for >40 mm scallops.....	6
Table 3.	Fishing mortality estimates for Georges Bank, Mid-Atlantic, and combined	8

List of Figures

Figure 1.	Sea scallop biomass distribution from the 2005 NEFSC sea scallop survey, showing closed/access area boundaries, including the Delmarva closure scheduled for 2007... 10	
Figure 2.	Sea scallop landings by region, 1964-2005	12
Figure 3.	Sea scallop landings by meat count category, 1998-2005	12
Figure 4.	Sea scallop survey biomass and estimated fishing mortality for Georges Bank, Mid-Atlantic, and combined	13

Introduction

This report is an updated assessment of U.S. sea scallops, using data through the end of the 2005 calendar year. The methodology used here is identical to that used in the last fully peer-reviewed stock assessment (NEFSC 2004), but is updated to include two more calendar years of landings and fishery-independent survey data (2004-2005).

The Atlantic sea scallop, *Placopecten magellanicus*, occurs in continental shelf waters of the Northwest Atlantic between Cape Hatteras and Newfoundland. It supports one of the most valuable fisheries in the United States, with an ex-vessel value in 2005 of over \$430 million, and is the most valuable wild scallop fishery in the world. Major commercial concentrations of sea scallops in U.S. waters occur in the Mid-Atlantic Bight (Virginia to Long Island), on Georges Bank and surrounding areas (including the Great South Channel and Nantucket Shoals), and near-shore areas in the Gulf of Maine.

The U.S. federal sea scallop fishery is managed by the New England Fishery Management Council, under Amendment 10 to the sea scallop management plan. The bulk of landings come from more than 300 vessels with limited access permits, but a growing percentage are being taken by vessels with open access general category permits. Limited access vessels are controlled by annual day at sea limits, crew size limits, and trip limits to special access areas. General category vessels are limited to 400 lbs of meats per day or trip, whichever is more restrictive. Gear restrictions (4" rings with a 10" twine top on dredges) apply to all permits.

Fishery closures have strongly influenced sea scallop population dynamics and fisheries in recent years. Three large areas on Georges Bank and Nantucket Shoals were closed to groundfish and scallop fishing in December 1994. Since then, scallop biomass in these areas has increased by about a factor of 25 (Hart and Rago 2006). Portions of these areas were reopened to limited scallop fishing from June-November 1999, June 2000-January 2001, and since November 2004, with seasonal closures during February through June 15. In the Mid-Atlantic, two areas were closed to scallop fishing for three years in April 1998, and a new rotational area (the "Elephant Trunk" closed area) was closed in July 2004. Substantial increases in biomass occurred in one of the two original rotational closures, from which considerable landings were derived after this area was reopened in May 2001. Considerable increases in biomass have also been observed in the Elephant Trunk area prior to its planned 2007 reopening.

Life History and Distribution

Sea scallops occur in the Northwest Atlantic Ocean from North Carolina to Newfoundland along the continental shelf, typically on sand and gravel bottoms (Hart and Chute 2004). In Georges Bank and the Mid-Atlantic, most are harvested at depths between 30 and 100 m, while the bulk of the landings from the Gulf of Maine are from near-shore relatively shallow waters (< 40 m). Sea scallops filter-feed on phytoplankton, microzooplankton, and detritus particles. Sexes are separate with external fertilization, and larvae are planktonic for 4-7 weeks before settling to the bottom. Scallops recruit to the NEFSC survey at about 2 years old (40-70 mm), and to the commercial fishery currently at around 4-5 years old, though historically most 3-year-olds were vulnerable to the commercial fishery.

According to Amendment 10 of the Atlantic Sea Scallop Fishery Management Plan (NEFMC 2003), all scallops in the US Exclusive Economic Zone (EEZ) belong to a single stock. The US sea scallop stock can be subdivided into Georges Bank, Mid-Atlantic, Southern New England, and Gulf of Maine regional components based on survey data, fishery patterns, and other information (NEFSC 2004). The stock is likely composed of smaller regional meta-populations with some movement of larvae from Georges Bank into Southern New England and from Southern New England to the Mid-Atlantic. The main regional components are Georges Bank (including the Great South Channel and Nantucket Shoals) and the Mid-Atlantic Region (Figure 1). However, relatively small but imprecisely known amounts of sea scallop biomass occur in areas outside regularly surveyed NEFSC shellfish strata. Landings from other regions have been comparatively minor. As in NEFSC (2004), abundance and fishing mortality estimates for Georges Bank and the Mid-Atlantic are estimated separately in this assessment and then combined to characterize the condition of the stock as a whole.

Growth in sea scallops is modeled using the von Bertalanffy growth equation $SH = L_{\infty} [1 - \exp(-K(t-t_0))]$, where SH is shell height (in mm) and t is age (in years). The parameters L_{∞} and K, based on Serchuk et al. (1979), are taken as $L_{\infty} = 152.46$, $K = 0.3374$ (Georges Bank), $L_{\infty} = 151.84$, $K = 0.2997$ (Mid-Atlantic). Since sea scallop assessments are not age-based, the value of t_0 is irrelevant for this assessment. Shell height to meat weight equations $\ln(MW) = a + b \ln(SH)$ are as given in NEFSC (2004): $a = 11.6038$, $b = 3.1221$ (Georges Bank), $a = 12.2484$, $b = 3.2641$ (Mid-Atlantic).

Landings

Total US landings of sea scallops averaged 26,639 mt meats during 2003-2005, nearly quadruple the amount typical during the mid-1990s (Table 1, Figure 2). The landings of 29,321 mt meats in 2004 was an all-time record. The recent increase in landings occurred primarily in the Mid-Atlantic area, where they were well above historical levels. Georges Bank landings remained around their long-term average from 1999-2004, but increased to a near-record 9711 mt meats in 2005, primarily due to reopening of portions of the closed area. The recent increases in landings were mainly due to increased recruitment in the Mid-Atlantic and improved management that has caused scallops to be landed at a much larger size. A majority of the landed meats from the mid-1980s through 1998 were in the smaller market categories (>30 meats per pound). Landings in more recent years have trended to much larger sizes; the mean weight of a landed scallop meat in 2005 was about twice that of a meat in the 1990s (Figure 3).

Surveys

Sea scallop surveys using a lined 8' dredge have been conducted by NEFSC since 1979, but the survey of Georges Bank was incomplete prior to 1982. Thus, survey data used for this assessment are for 1982-2005 for Georges Bank, and 1979-2005 in the Mid-Atlantic. Since 2004, rock chains have been used in four strata in the Great South Channel. In rocky areas, the rock chains increase the efficiency of the gear by about a factor of 1.56 (NEFSC 2004, Appendix 2). In order to be consistent with previous years, the catches in these four strata were reduced by a factor of 1.56 in 2004-2005. Further details regarding the surveys can be found in NEFSC (2004).

Survey biomass in both resource areas remained low through the mid-1990s (Table 2, Figure 4). The closure of three large areas on Georges Bank and Nantucket Shoals, combined with drastically reduced fishing effort (due to shifts of effort to the Mid-Atlantic and later to effort reduction measures) caused a rapid increase in biomass from 1994-2000, with biomass in this area remaining roughly stable since then. Mid-Atlantic biomass remained low until 1998, when the closure of two areas combined with effort reduction measures and very strong recruitment induced a rapid increase in biomass. The overall biomass index began increasing in the mid-1990s, and stood at 7.8 kg/tow in 2005, well above the biomass target of 5.6 kg/tow.

Fishing mortality estimates

Following NEFSC (2004), fishing mortality was estimated using the “rescaled catch-biomass” method. In summary, fishing mortality trends for Georges Bank and the Mid-Atlantic were estimated by the ratio of landings to survey biomass. These trends were scaled so that they averaged the long-term average fishing mortality estimated in each year by the “two-bin” method:

$${}^s F_t = -\ln\left(\frac{P_{t+1}}{R_t + P_t}\right) - M,$$

where R_t was the mean population number of scallops per standard survey tow in the first bin (new recruits) during survey year t , and P_t was the mean population number of scallops per standard survey tow in the second bin (plus group). Natural mortality M was estimated as 0.1 as in NEFSC 2004. The estimates from the two regions were combined using a number-weighted average. Further details on these calculations can be found in NEFSC (2004) and Hart and Rago (2006).

Georges Bank fishing mortality peaked at about 1.7 in 1991, but declined drastically starting in 1994 (Table 3 and Fig. 4). In recent years (2000-2005), fishing mortality has been around 0.1; the 2005 fishing mortality was slightly higher than the recent average (0.15) primarily due to reopenings of portions of the closed areas. Mid-Atlantic fishing mortality peaked at about 1.6 in 1992. Fishing mortality declined greatly between 1996 and 1999, and since then has modestly varied without trend. Fishing mortality in 2005 was the lowest in the time series (0.3); the recent decrease is primarily due to the rotational closure of the Elephant Trunk area. Fishing mortality for the overall resource peaked at 1.55 in 1991 and then declined considerably between 1991 and 1998. Since 1998, overall fishing mortality has varied between 0.18 and 0.34; it was 0.22 in 2005, slightly under the overfishing threshold of 0.24, but just over the fishing mortality target of 0.2.

Status determination for 2005

The overall NEFSC sea scallop survey index stood at 7.8 kg/tow for 2005, above the biomass target of 5.6 kg/tow (NEFMC 2003). Sea scallops were therefore not overfished. The point estimate for fishing mortality of the overall sea scallop resource was 0.22, below the overfishing threshold of 0.24. Thus, overfishing of sea scallops was not occurring. However, there are important caveats to this conclusion. First, the confidence interval for fishing mortality contains the overfishing threshold, so it cannot be concluded with statistical certainty that overfishing was not occurring. Perhaps more importantly, the fishing mortality estimate in 2005 is a spatial average over heavily fished areas and areas that are either closed (e.g., the Elephant Trunk Closed Area and the Nantucket Lightship Closed Area) or where fishing mortality was low (e.g., Georges Bank Closed Areas I and II). Because over half the scallop biomass is contained in the closed areas, fishing mortality in the remainder of the resource must be over the fishing mortality threshold, and localized overfishing of some areas must be continuing. There is a possibility that unless fishing effort elsewhere is reduced, overfishing of the overall resource may reoccur when the Elephant Trunk area is reopened and fishing mortality there is ramped up. Finally, there has been considerable growth in general category fishing effort in the last several years which also threatens to induce overfishing unless management action is taken to contain effort in this sector.

References

- Hart DR, Chute AS. 2004. [Essential fish habitat source document: sea scallop, *Placopecten magellanicus*, life history and habitat characteristics \(2nd edition\)](#). Woods Hole MA: NOAA Tech Memo NMFS-NE-189, 21 p.
- Hart DR, Rago PJ. 2006. [Long-term dynamics of U.S. sea scallop \(*Placopecten magellanicus*\) populations](#). N Am J Fish Manage 26:490-501.
- NEFMC [New England Fishery Management Council]. 2003. [Final Amendment 10 to the Atlantic sea scallop fishery management plan with a supplemental environmental impact statement, regulatory impact review, and regulatory flexibility analysis](#). Newburyport MA: NEFMC.
- NEFSC [Northeast Fisheries Science Center]. 2004. [39th Northeast Regional Stock Assessment Workshop \(39th SAW\) assessment summary report & assessment report](#), Woods Hole MA: NEFSC Ref Doc 04-10; 211 p.
- Serchuk FM, Wood PW Jr, Posgay JA, Brown BE. 1979. Assessment and status of sea scallop (*Placopecten magellanicus*) populations off the northeast coast of the United States. In: Proc Natl Shellfish Assoc 69:161-191.

Table 1. U.S. sea scallop landings (mt meats), 1964-2005.

Year	Gulf of Maine				Georges Bank				S. New England				Mid Atlantic Bight				Uncl. other	Total							
	dredge	trawl	other	sum	dredge	trawl	other	sum	dredge	trawl	other	sum	dredge	trawl	other	sum		dredge	trawl	other	sum				
1964		0	208	208			0	6,241	6,241			52	3	55			0	137	137			52	6,590	6,642	
1965		0	117	117			3	1,478	1,481			2	24	26			0	3,974	3,974			5	5,592	5,598	
1966		0	102	102			0	883	884			0	8	8			0	4,061	4,061			1	5,055	5,056	
1967		0	80	80			4	1,217	1,221			0	8	8			0	1,873	1,873			4	3,178	3,182	
1968		0	113	113			0	993	994			0	56	56			0	2,437	2,437			0	3,599	3,599	
1969		1	122	123			8	1,316	1,324			0	18	19			5	846	851			14	2,302	2,317	
1970		0	132	132			5	1,410	1,415			0	6	6			14	459	473			19	2,006	2,026	
1971		4	358	362			18	1,311	1,329			0	7	7			0	274	274			22	1,949	1,971	
1972		1	524	525			5	816	821			0	2	2			5	653	658			11	1,995	2,006	
1973		0	460	460			15	1,065	1,080			0	3	3			4	245	249			19	1,773	1,792	
1974		0	223	223			15	911	926			0	4	5			0	937	938			16	2,076	2,091	
1975		6	741	746			13	844	857			8	42	50			52	1,506	1,558			80	3,132	3,212	
1976		3	364	366			38	1,723	1,761			4	3	7			317	2,972	3,288			361	5,061	5,422	
1977		4	254	258			27	4,709	4,736			1	10	11			27	2,564	2,591			58	7,536	7,595	
1978	242	1	0	243	5,532	37	0	5,569				25	2	0	27	4,175	21	0	4,196			9,974	61	0	10,035
1979	401	5	1	407	6,253	25	7	6,285				61	5	0	66	2,857	29	1	2,888			9,572	64	9	9,645
1980	1,489	122	3	1,614	5,382	34	2	5,419				130	3	0	133	1,966	9	0	1,975	< 0.01		8,968	169	4	9,142
1981	1,225	73	7	1,305	7,787	56	0	7,843				68	1	0	69	726	5	0	731			9,806	135	7	9,948
1982	631	28	5	664	6,204	119	0	6,322				126	0	0	126	1,602	6	2	1,610			8,562	153	7	8,723
1983	815	72	7	895	4,247	32	4	4,284				243	1	0	243	3,081	18	10	3,109			8,386	124	21	8,530
1984	651	18	10	678	3,011	29	3	3,043				161	3	0	164	3,647	26	2	3,675			7,470	76	14	7,560
1985	408	3	10	421	2,860	34	0	2,894				77	4	0	82	3,227	47	1	3,276			6,572	88	11	6,672
1986	308	2	6	316	4,428	10	0	4,438				76	2	0	78	3,257	101	0	3,359			8,068	115	7	8,190
1987	373	0	9	382	4,821	30	0	4,851				67	1	0	68	7,488	315	1	7,803			12,749	346	10	13,104
1988	506	7	13	526	6,036	18	0	6,054				65	4	0	68	5,774	402	2	6,178			12,381	430	16	12,826
1989	600	0	44	644	5,637	25	0	5,661				127	11	0	138	7,549	422	2	7,973			13,913	458	45	14,416
1990	545	0	28	574	9,972	10	0	9,982				110	6	0	116	5,954	476	4	6,435			16,581	493	32	17,107
1991	527	3	75	605	9,235	77	0	9,311				55	16	0	71	6,195	808	9	7,011			16,012	903	84	16,999
1992	676	2	45	722	8,230	7	0	8,238				119	5	0	124	4,386	563	5	4,955			13,411	577	50	14,039
1993	763	2	32	797	3,637	18	0	3,655				65	1	0	66	2,382	392	3	2,778			6,848	413	36	7,296

Table 1 continued.

Year	Gulf of Maine				Georges Bank				S. New England				Mid Atlantic Bight				Uncl. other	Total			
	dredge	trawl	other	sum	dredge	trawl	other	sum	dredge	trawl	other	sum	dredge	trawl	other	sum		dredge	trawl	other	sum
1994	519	3	3	525	1,133	3	1	1,137	0	1	0	1	5,176	688	9	5,872		6,827	693	13	7,534
1995	424	4	238	665	967	15	0	982	35	1	0	36	5,408	744	166	6,318		6,799	762	404	7,965
1996	632	20	121	773	2,040	6	0	2,045	74	0	0	74	4,335	656	9	4,999		7,006	682	130	7,818
1997	581	21	98	699	2,317	10	0	2,326	69	0	0	69	2,442	357	111	2,910		5,339	387	209	5,936
1998	443	10	1	455	1,990	27	0	2,016	95	6	0	102	2,359	574	15	2,948	44	4,792	610	17	5,565
1999	277	3	0	280	5,151	4	0	5,155	46	5	3	54	3,646	958	50	4,653	4	9,074	965	50	10,146
2000	182	8	1	191	5,412	25	0	5,437	84	2	0	86	7,707	1,142	10	8,860	49	13,301	1,175	11	14,623
2001	383	18	29	430	4,941	11	0	4,952	27	1	2	31	14,161	1,570	38	15,768		19,485	1,599	67	21,180
2002	533	7	2	542	5,653	40	0	5,694	41	3	0	43	16,016	1,591	5	17,612		22,202	1,639	7	23,891
2003	246	7	1	254	4,908	14	0	4,922	84	2	0	85	18,189	1,470	1	19,660	187	23,343	1,491	1	25,107
2004	126	7	1	134	4,301	48	4	4,353	106	20	22	148	23,212	1,453	21	24,686		27,639	1,508	26	29,321
2005	189	12	0	201	9,540	171	0	9,711	294	16	1	311	14,288	972	6	15,266		24,017	1,155	6	25,489

Table 2. NEFSC sea scallop survey stratified means for >40 mm scallops. Biomass is in meat weight.

Year	Num/Tow	CV	Num/tow Not Recruited	Num/Tow Fully Recruited	Biomass g/Tow	CV	Biomass Not Recruited g/Tow	Biomass Fully Recruited g/Tow	Mean Meat Weight (G)
Georges Bank									
1982	133	37%	100	33	869	18%	304	565	6.6
1983	61	21%	24	37	720	16%	97	623	11.9
1984	39	11%	15	23	544	9%	55	490	14.0
1985	65	14%	31	34	706	13%	126	579	10.8
1986	116	13%	79	37	917	9%	269	648	7.9
1987	126	15%	67	58	1,082	13%	245	837	8.6
1988	104	15%	56	48	904	12%	216	688	8.7
1989	111	36%	56	55	943	33%	248	695	8.5
1990	207	22%	129	78	1,340	20%	475	865	6.5
1991	251	30%	200	51	1,246	14%	551	695	5.0
1992	264	38%	185	79	1,638	29%	787	851	6.2
1993	70	28%	47	23	531	17%	204	327	7.6
1994	45	16%	20	25	457	13%	69	388	10.2
1995	120	18%	92	28	747	13%	285	462	6.2
1996	139	16%	70	69	1,332	14%	256	1,076	9.6
1997	100	13%	28	72	1,612	14%	98	1,514	16.1
1998	317	31%	145	172	4,000	37%	508	3,492	12.6
1999	246	17%	67	179	4,306	25%	158	4,148	17.5
2000	888	30%	542	346	8,131	21%	2,243	5,888	9.2
2001	473	13%	147	327	7,010	14%	616	6,394	14.8
2002	397	13%	33	364	8,051	13%	174	7,877	20.3
2003	311	12%	61	250	7,529	14%	231	7,299	24.2
2004	350	11%	43	307	9,289	11%	174	9,116	26.5
2005	275	12%	33	241	7,759	11%	133	7,626	28.3
Mid-Atlantic Bight									
1979	43	9%	11	32	728	10%	46	681	16.9
1980	51	12%	27	24	615	7%	62	553	12.1
1981	40	17%	18	22	488	11%	64	423	12.3
1982	40	11%	16	24	508	8%	64	444	12.8
1983	38	9%	20	19	472	8%	65	407	12.3
1984	39	10%	15	24	454	9%	49	406	11.8
1985	93	13%	58	35	734	9%	207	528	7.9
1986	152	8%	89	64	1,186	7%	323	863	7.8
1987	152	8%	94	58	1,039	6%	276	763	6.9
1988	179	10%	78	101	1,683	8%	302	1,381	9.4
1989	216	9%	129	87	1,525	7%	462	1,063	7.1
1990	264	22%	173	91	1,672	17%	702	970	6.3
1991	103	10%	48	55	963	10%	196	767	9.4
1992	53	10%	24	28	543	7%	82	461	10.3
1993	164	11%	138	26	753	8%	391	362	4.6
1994	162	10%	95	67	1,043	8%	326	717	6.4
1995	218	13%	125	94	1,547	11%	567	980	7.1
1996	77	8%	23	53	773	7%	116	657	10.1
1997	54	12%	28	26	533	6%	66	467	9.8

Table 2 continued.

Year	Num/Tow	CV	Num/tow Not Recruited	Num/Tow Fully Recruited	Biomass g/Tow	CV	Biomass Not Recruited g/Tow	Biomass Fully Recruited g/Tow	Mean Meat Weight (G)
Mid-Atlantic Bight continued									
1998	195	17%	145	50	1,101	15%	474	627	5.7
1999	309	21%	173	136	2,281	18%	640	1,641	7.4
2000	389	14%	131	257	4,005	13%	572	3,434	10.3
2001	398	12%	141	257	4,519	13%	523	3,995	11.3
2002	404	11%	112	292	5,122	12%	399	4,723	12.7
2003	864	15%	495	370	7,603	9%	1,297	6,306	8.8
2004	675	11%	303	372	6,700	7%	1,355	5,345	9.9
2005	507	9%	122	385	7,860	8%	351	7,509	15.5
Combined									
1982	83	28%	55	28	676	11%	176	500	8.1
1983	49	13%	22	27	587	10%	80	507	12.1
1984	39	8%	15	24	496	6%	51	445	12.8
1985	80	9%	46	35	721	8%	169	552	9.1
1986	135	7%	84	51	1,061	6%	298	763	7.8
1987	140	8%	82	58	1,059	7%	262	798	7.6
1988	144	8%	68	77	1,320	6%	262	1,058	9.2
1989	167	13%	95	72	1,254	12%	363	892	7.5
1990	237	16%	153	85	1,517	13%	596	921	6.4
1991	172	21%	119	53	1,095	9%	361	734	6.4
1992	151	31%	99	52	1,053	21%	410	643	7.0
1993	120	11%	96	24	650	8%	304	346	5.4
1994	108	9%	60	48	770	7%	206	564	7.2
1995	173	10%	110	63	1,175	9%	436	739	6.9
1996	106	11%	45	61	1,033	9%	181	852	10.3
1997	76	9%	28	48	1,035	10%	81	954	14.9
1998	251	20%	145	107	2,451	29%	490	1,961	10.5
1999	268	14%	124	144	1,978	16%	416	1,562	11.1
2000	621	21%	323	299	5,926	14%	1,350	4,576	10.0
2001	433	9%	144	290	5,678	10%	566	5,112	13.3
2002	401	8%	75	326	6,485	9%	294	6,192	16.2
2003	607	12%	293	314	7,569	8%	801	6,768	12.5
2004	524	8%	182	342	7,905	7%	805	7,100	15.1
2005	399	7%	81	318	7,813	7%	249	7,564	19.6

Table 3. Fishing mortality estimates for Georges Bank, Mid-Atlantic, and combined. The best estimates are given under the "Rescaled F" column in bold. Further details can be found in NEFSC 2004.

Georges Bank

	80-100	100+	SurveyF	CV	Landings	MinEBms	Ebms	CV	CBI	CV	RescaledF	CV	BH-F	MovAvg
1982	14.8	11.4			6322	3124	7811	0.12	0.81	0.15	1.42	0.16	0.62	0.64
1983	22.2	12.0	0.68		4284	3443	8608	0.10	0.50	0.14	0.88	0.15	0.81	0.66
1984	10.5	11.3	1.01		3043	2707	6767	0.10	0.45	0.14	0.79	0.15	0.48	0.59
1985	17.1	12.5	0.46		2894	3204	8011	0.14	0.36	0.17	0.64	0.18	0.70	0.77
1986	15.2	14.9	0.59		4438	3585	8964	0.09	0.50	0.13	0.87	0.14	0.58	0.87
1987	35.8	14.8	0.61		4851	4631	11578	0.13	0.42	0.16	0.74	0.17	1.03	1.14
1988	27.8	12.8	1.27		6054	3806	9515	0.10	0.64	0.14	1.12	0.15	0.99	1.42
1989	35.6	10.2	1.28		5661	3842	9605	0.32	0.59	0.34	1.04	0.34	1.38	1.43
1990	53.9	8.8	1.54		9982	4785	11962	0.22	0.83	0.24	1.47	0.24	1.89	1.37
1991	26.9	12.0	1.55		9311	3844	9611	0.09	0.97	0.14	1.71	0.14	1.02	0.98
1992	32.4	11.3	1.14		8238	4708	11770	0.17	0.70	0.19	1.23	0.20	1.21	0.97
1993	8.7	7.2	1.71		3655	1806	4514	0.10	0.81	0.14	1.43	0.15	0.72	0.77
1994	16.4	7.2	0.69		1137	2145	5363	0.12	0.21	0.16	0.37	0.16	0.96	0.81
1995	10.9	12.1	0.57		982	2554	6385	0.12	0.15	0.15	0.27	0.16	0.63	0.64
1996	37.9	23.5	-0.12		2045	5950	14874	0.14	0.14	0.17	0.24	0.18	0.83	0.59
1997	24.9	44.4	0.22		2326	8370	20926	0.14	0.11	0.17	0.20	0.18	0.45	0.46
1998	66.7	92.0	-0.38		2016	19308	48271	0.39	0.04	0.40	0.07	0.41	0.47	0.51
1999	59.3	84.7	0.53		5155	22937	57342	0.31	0.09	0.32	0.16	0.33	0.46	0.53
2000	133.5	135.6	-0.04		5437	32560	81401	0.20	0.07	0.23	0.12	0.23	0.58	0.53
2001	151.5	154.9	0.45		4952	35358	88396	0.15	0.06	0.18	0.10	0.19	0.55	0.40
2002	145.3	215.1	0.25		5694	43561	108903	0.13	0.05	0.17	0.09	0.17	0.45	0.32
2003	33.8	207.9	0.45		4922	40360	100901	0.13	0.05	0.17	0.09	0.17	0.18	0.18
2004	57.4	236.2	-0.08		4353	53546	133865	0.11	0.03	0.15	0.06	0.15	0.18	
2005	44.0	211.8	0.23		9711	45659	114146	0.11	0.09	0.15	0.15	0.16	0.15	
<i>Mean8205</i>	<i>45.1</i>	<i>65.2</i>	<i>0.63</i>	<i>0.04</i>	<i>4894</i>		<i>37062</i>		<i>0.36</i>		<i>0.63</i>		<i>0.72</i>	
<i>Mean8294</i>	<i>24.4</i>	<i>11.3</i>	<i>1.02</i>		<i>5375</i>		<i>8775</i>		<i>0.60</i>		<i>1.02</i>		<i>0.94</i>	
<i>Mean9505</i>	<i>72.1</i>	<i>120.6</i>	<i>0.19</i>		<i>4327</i>		<i>70492</i>		<i>0.08</i>		<i>0.14</i>		<i>0.45</i>	

Mid-Atlantic

	80-98.5	98.5+	SurveyF	CV	Landings	MinEBms	EBms	CV	CBI	CV	RescaledF	CV	BH-F	MovAvg
1979	10.9	19.1			2888	4326	7210	0.10	0.40	0.14	0.65	0.15	0.38	0.39
1980	7.0	16.2	0.52		1975	3512	5854	0.07	0.34	0.12	0.55	0.12	0.33	0.45
1981	9.0	10.1	0.73		731	2686	4476	0.10	0.16	0.14	0.26	0.14	0.47	0.46
1982	11.3	10.6	0.49		1610	2819	4698	0.08	0.34	0.13	0.55	0.13	0.55	0.55
1983	6.4	10.8	0.61		3109	2582	4304	0.08	0.72	0.13	1.17	0.13	0.36	0.61
1984	14.8	8.2	0.64		3675	2577	4295	0.09	0.86	0.13	1.38	0.13	0.73	0.85
1985	16.9	11.8	0.57		3276	3351	5584	0.07	0.59	0.12	0.95	0.12	0.75	0.99
1986	40.0	15.9	0.49		3359	5480	9133	0.07	0.37	0.12	0.59	0.12	1.06	1.10
1987	40.1	13.6	1.31		7803	4842	8071	0.06	0.97	0.12	1.56	0.12	1.16	1.16
1988	66.4	24.8	0.67		6178	8768	14613	0.07	0.42	0.12	0.68	0.12	1.10	1.24
1989	53.5	16.2	1.63		7973	6748	11247	0.07	0.71	0.12	1.15	0.12	1.22	1.21
1990	49.7	11.7	1.69		6435	6161	10268	0.10	0.63	0.14	1.01	0.14	1.41	1.05
1991	33.5	14.8	1.32		7011	4872	8120	0.11	0.86	0.15	1.39	0.15	1.01	0.85
1992	15.3	10.9	1.39		4955	2928	4880	0.07	1.02	0.12	1.64	0.12	0.73	1.13
1993	12.9	7.5	1.14		2794	2300	3833	0.07	0.73	0.12	1.18	0.12	0.83	1.38
1994	44.5	7.6	0.89		5872	4552	7587	0.08	0.77	0.13	1.25	0.13	1.84	1.58
1995	50.0	13.2	1.27		6318	6224	10373	0.09	0.61	0.13	0.98	0.13	1.48	1.17
1996	39.5	10.1	1.73		4999	4168	6947	0.06	0.72	0.12	1.16	0.12	1.43	1.04
1997	12.6	13.2	1.23		2910	2967	4944	0.06	0.59	0.11	0.95	0.11	0.61	1.00
1998	28.9	11.0	0.75		2948	3980	6633	0.14	0.44	0.17	0.72	0.17	1.10	1.16
1999	87.7	26.9	0.30		4653	10418	17363	0.15	0.27	0.18	0.43	0.18	1.30	1.05
2000	169.9	69.9	0.39		9691	21800	36334	0.13	0.27	0.16	0.43	0.16	1.09	0.86
2001	129.5	114.1	0.64		15812	25365	42274	0.14	0.37	0.17	0.60	0.17	0.76	0.69
2002	147.2	137.2	0.47		17233	29985	49976	0.12	0.34	0.16	0.56	0.16	0.72	0.66
2003	158.8	188.2	0.31		19822	40033	66721	0.09	0.30	0.14	0.48	0.14	0.60	0.60
2004	202.4	118.9	0.97		24530	36041	60068	0.07	0.41	0.12	0.66	0.12	0.85	
2005	150.0	232.5	0.22		15562	50789	84648	0.08	0.18	0.13	0.30	0.13	0.50	
<i>Mean7905</i>	<i>59.6</i>	<i>42.4</i>	<i>0.86</i>	<i>0.02</i>	<i>7190</i>		<i>18535</i>		<i>0.53</i>		<i>0.86</i>		<i>0.92</i>	
<i>Mean7994</i>	<i>27.0</i>	<i>13.1</i>	<i>0.94</i>		<i>4353</i>		<i>7136</i>		<i>0.62</i>		<i>1.00</i>		<i>0.87</i>	
<i>Mean9505</i>	<i>107.0</i>	<i>85.0</i>	<i>0.8</i>		<i>11316</i>		<i>35116</i>		<i>0.41</i>		<i>0.66</i>		<i>1.01</i>	

Table 3 continued.

Combined (number weighted)								
	SurveyF	Landings	Ebms	CBI	RescaledF	CV	BH-F	MovAvg
1982		7933	12509	0.63	1.09	0.08	0.59	0.62
1983	0.66	7392	12912	0.57	0.96	0.07	0.68	0.67
1984	0.83	6718	11062	0.61	1.07	0.07	0.60	0.73
1985	0.51	6170	13595	0.45	0.78	0.08	0.72	0.89
1986	0.53	7797	18096	0.43	0.70	0.07	0.87	1.01
1987	0.94	12654	19648	0.64	1.13	0.08	1.09	1.15
1988	0.89	12232	24127	0.51	0.84	0.07	1.06	1.34
1989	1.48	13634	20851	0.65	1.10	0.14	1.29	1.32
1990	1.61	16417	22230	0.74	1.25	0.11	1.66	1.26
1991	1.44	16323	17731	0.92	1.56	0.08	1.01	0.96
1992	1.20	13192	16650	0.79	1.32	0.09	1.10	1.15
1993	1.43	6449	8347	0.77	1.30	0.07	0.77	1.20
1994	0.83	7009	12950	0.54	0.98	0.08	1.57	1.30
1995	1.09	7300	16758	0.44	0.80	0.08	1.27	0.93
1996	0.55	7045	21820	0.32	0.58	0.08	1.05	0.70
1997	0.43	5236	25870	0.20	0.35	0.08	0.48	0.62
1998	-0.20	4964	54904	0.09	0.18	0.17	0.57	0.72
1999	0.43	9808	74705	0.13	0.27	0.15	0.81	0.74
2000	0.12	15128	117735	0.13	0.23	0.11	0.77	0.65
2001	0.52	20764	130670	0.16	0.28	0.09	0.63	0.53
2002	0.34	22927	158878	0.14	0.27	0.09	0.55	0.49
2003	0.38	24744	167622	0.15	0.30	0.08	0.41	0.41
2004	0.42	28883	193933	0.15	0.34	0.07	0.50	
2005	0.23	25273	198794	0.13	0.22	0.08	0.32	
<i>Mean8205</i>	<i>0.72</i>		<i>57183</i>		<i>0.75</i>		<i>0.75</i>	
<i>Mean8294</i>	<i>1.03</i>		<i>16517</i>		<i>1.08</i>		<i>1.04</i>	
<i>Mean9505</i>	<i>0.39</i>		<i>105608</i>		<i>0.36</i>		<i>0.70</i>	

Figure 1. Sea scallop biomass (g/tow, meats) distribution from the 2005 NEFSC sea scallop survey. Dotted lines show closed/access area boundaries, including the Delmarva closure scheduled for 2007.

(a) Georges Bank

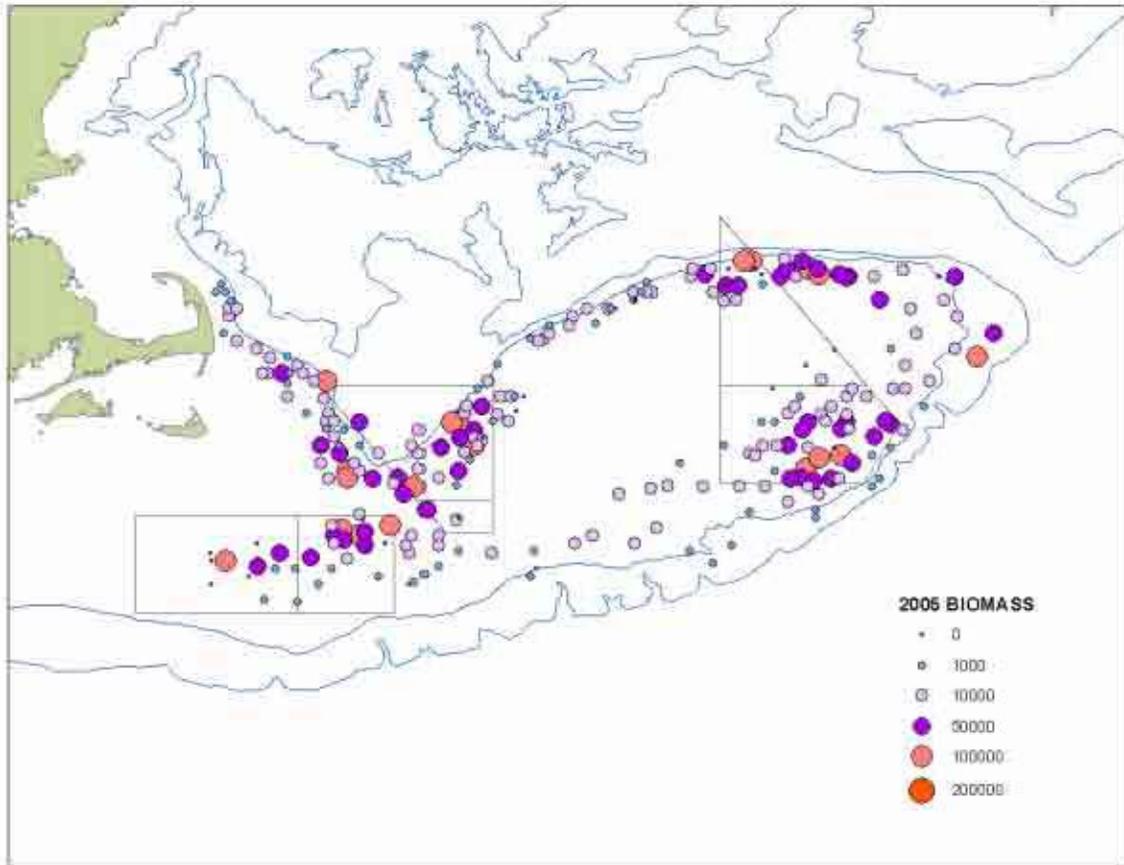


Figure 1 continued.

(b) Mid-Atlantic

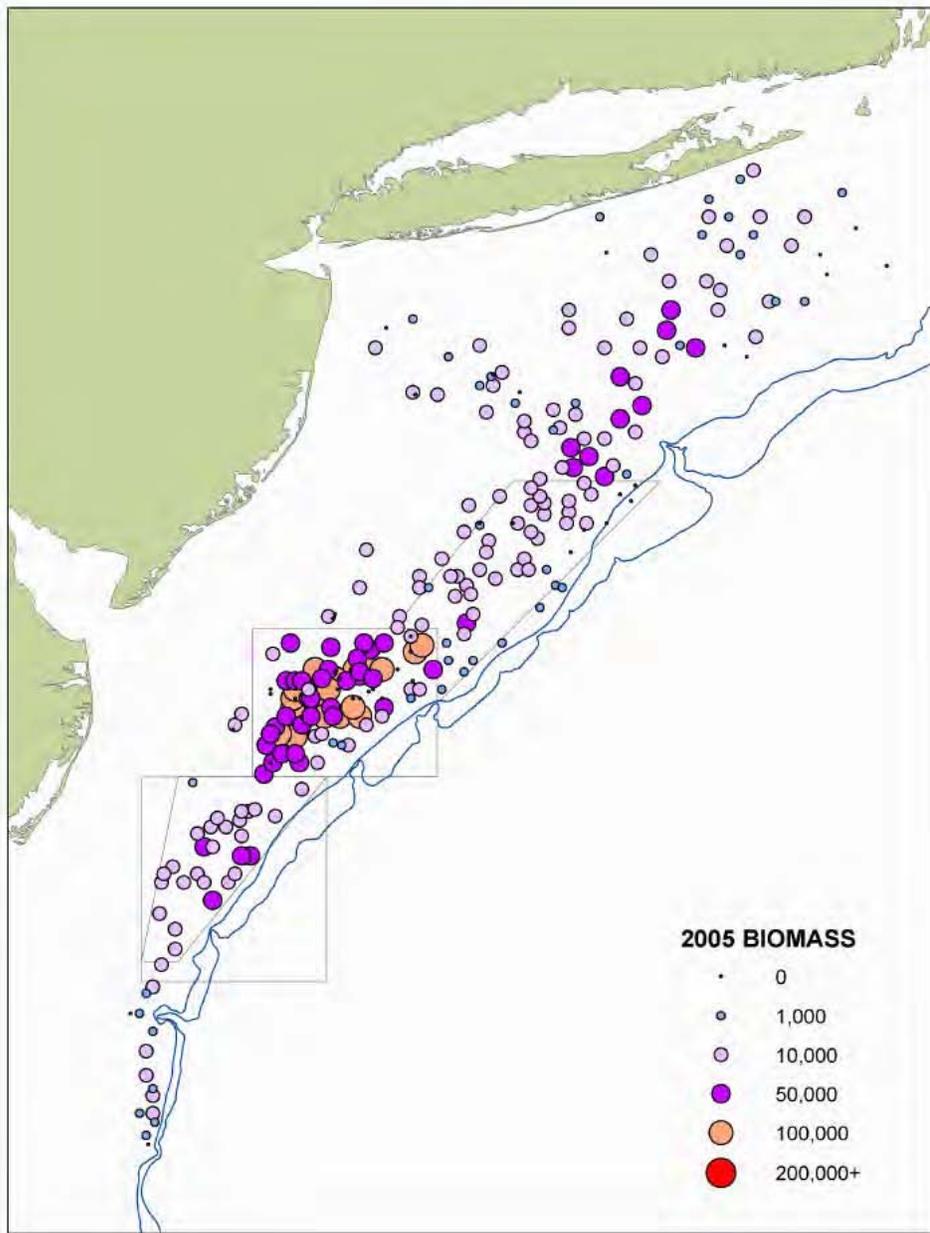


Figure 2. Sea scallop landings by region (mt meats), 1964-2005.

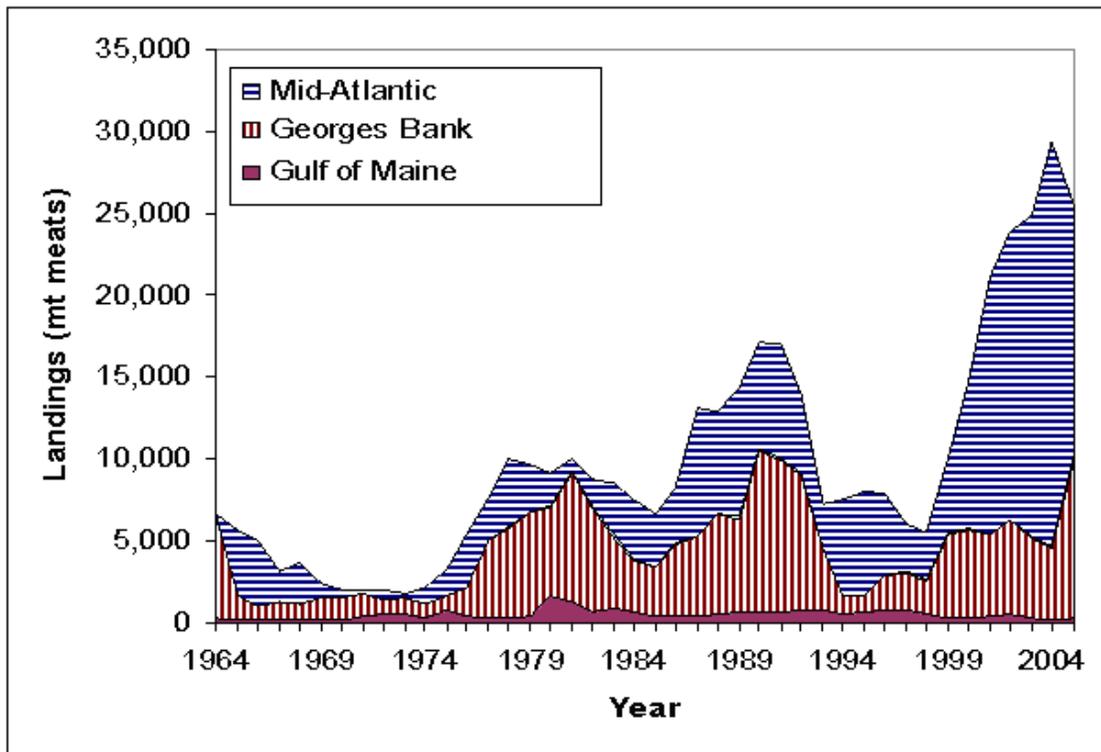


Figure 3. Sea scallop landings by meat count category, 1998-2005.

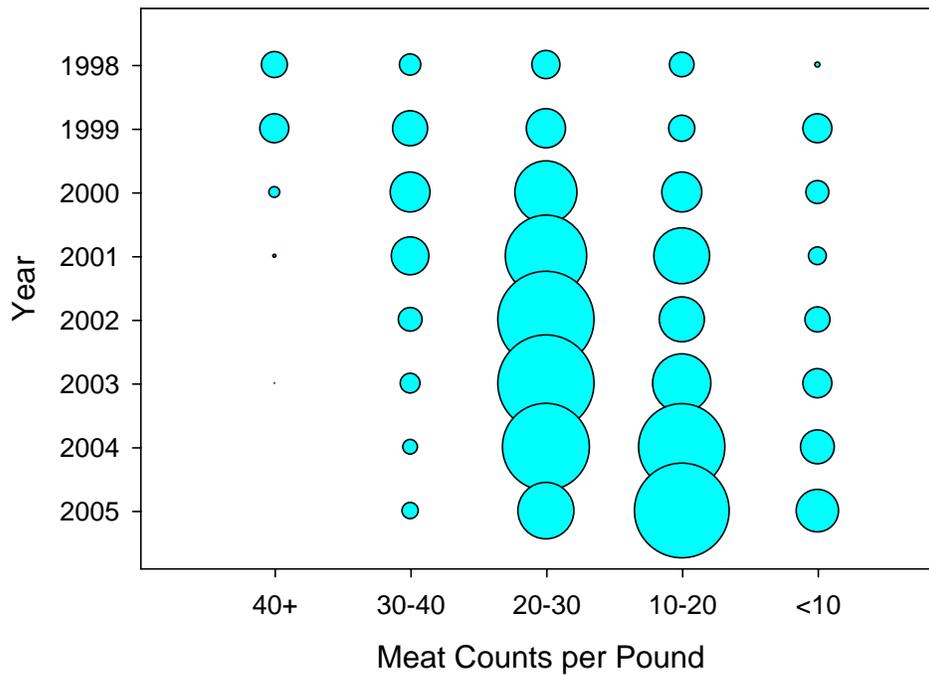
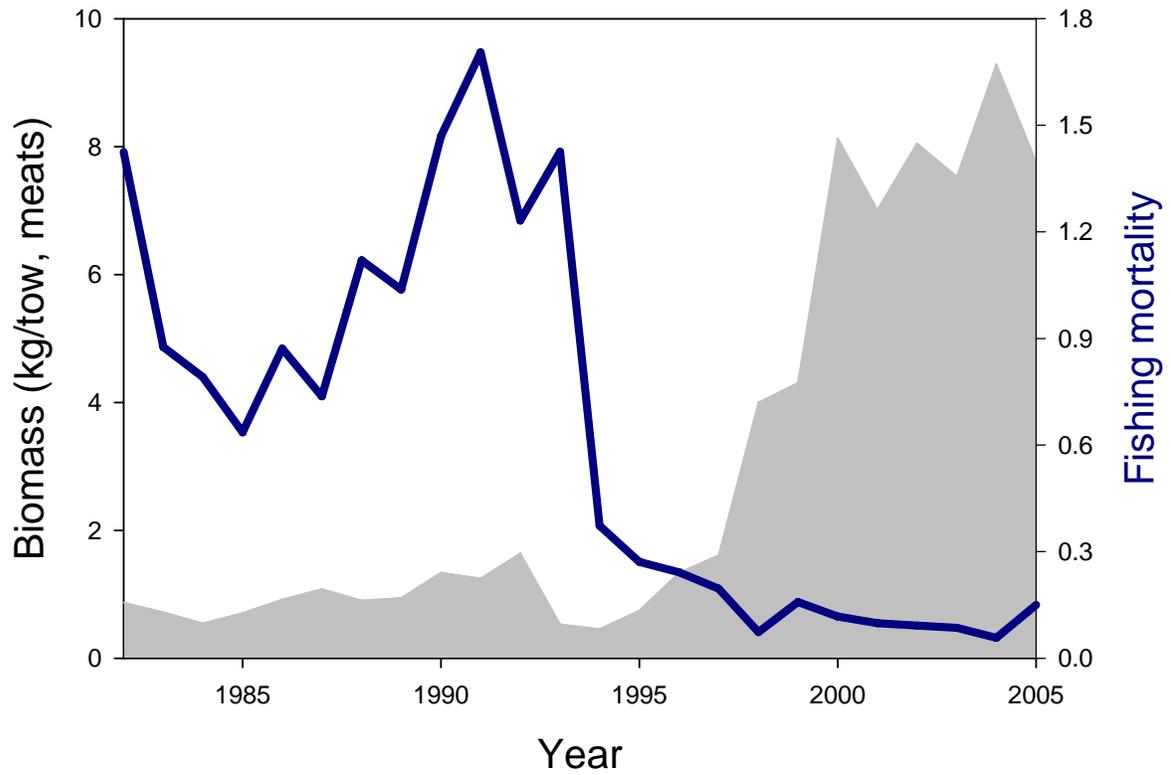
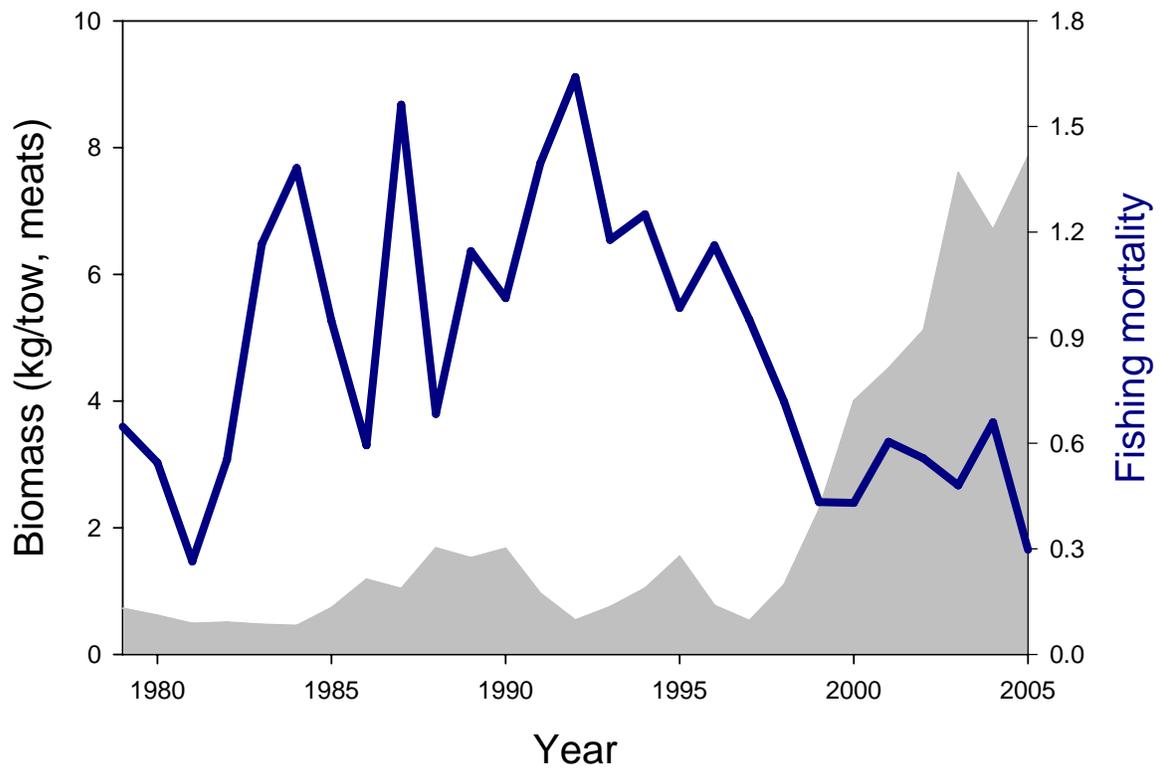


Figure 4. Sea scallop survey biomass and estimated fishing mortality for Georges Bank, Mid-Atlantic, and combined.

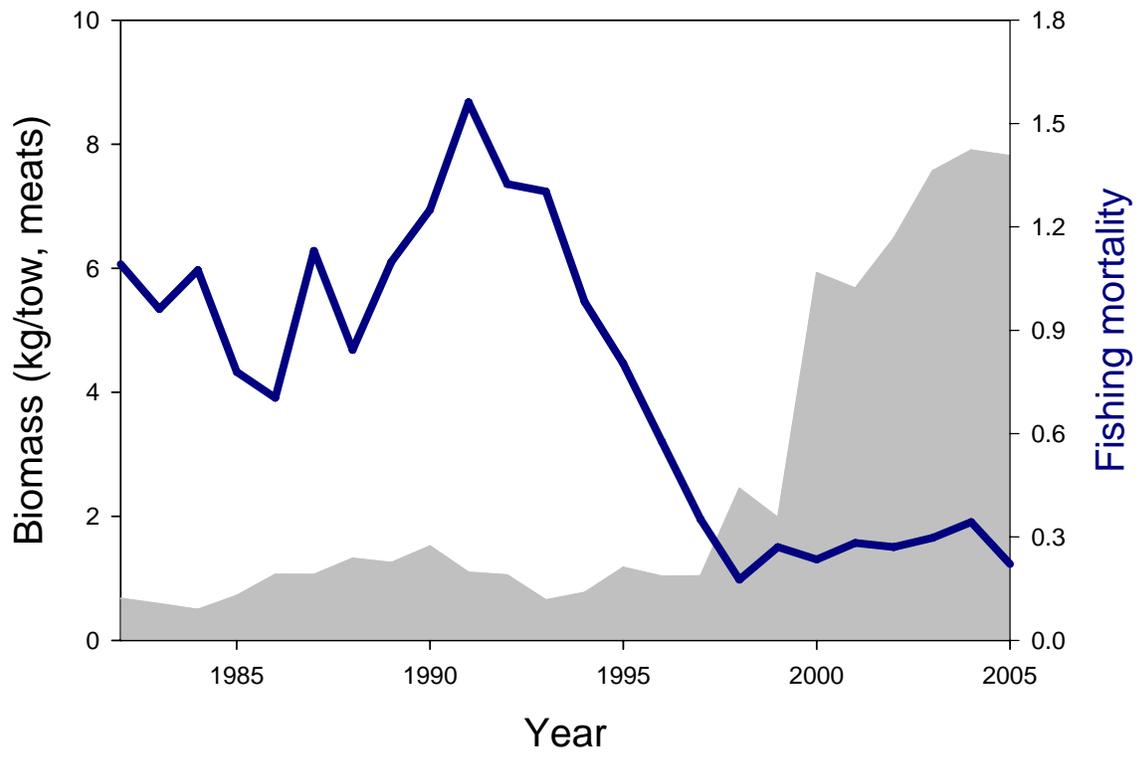
(a) Georges Bank



(b) Mid-Atlantic



(c) Overall



Procedures for Issuing Manuscripts in the *Northeast Fisheries Science Center Reference Document (CRD) Series*

Clearance: All manuscripts submitted for issuance as CRDs must have cleared the NEFSC's manuscript/abstract/web-page review process. If any author is not a federal employee, he/she will be required to sign an "NEFSC Release-of-Copyright Form." If your manuscript includes material lifted from another work which has been copyrighted, then you will need to work with the NEFSC's Editorial Office to arrange for permission to use that material by securing release signatures on the "NEFSC Use-of- Copyrighted-Work Permission Form."

Organization: Manuscripts must have an abstract and table of contents, and — if applicable — lists of figures and tables. As much as possible, use traditional scientific manuscript organization for sections: "Introduction," "Study Area"/"Experimental Apparatus," "Methods," "Results," "Discussion" and/or "Conclusions," "Acknowledgments," and "Literature/References Cited."

Style: The CRD series is obligated to conform with the style contained in the current edition of the *United States Government Printing Office Style Manual*. That style manual is silent on many aspects of scientific manuscripts. The CRD series relies more on the *CBE/CSE Style Manual*. Manuscripts should be prepared to conform with these style manuals.

The CRD series uses the American Fisheries Society's guides to names of fishes, mollusks, and decapod crustaceans, the Society for Marine Mammalogy's guide to names of marine mammals, the Biosciences Information Service's guide to serial title abbreviations, and the International Standardization Organization's guide to statistical terms.

For in-text citation, use the name-date system. A special effort should be made to ensure that all necessary bibliographic information is included in the list of cited works. Personal communications must include date, full name, and full mailing address of the contact.

Preparation: The document must be paginated continuously from beginning to end and must have a "Table of Contents." Begin the preliminary pages of the document -- always the "Table of Contents" -- with page "iii." Begin the body of the document -- normally the "Introduction" -- with page "1," and continuously paginate all pages including tables, figures, appendices, and indices. You can insert blank pages as appropriate throughout the document, but account for them in your pagination (*e.g.*, if your last figure ends on an odd-numbered/right-hand page such as "75," and if your next page is the first page of an appendix, then you would normally insert a blank page after the last figure, and paginate the first page of the appendix as "77" to make it begin on an odd-numbered/right-hand page also). Forward the final version to the Editorial Office as both a paper copy and electronically (*i.e.*, e-mail attachment, 3.5-inch floppy disk, high-density zip disk, or CD). For purposes of publishing the CRD series only, the use of Microsoft Word is preferable to the use of Corel WordPerfect.

Production and Distribution: The Editorial Office will develop the inside and outside front covers, the inside and outside back covers, and the title and bibliographic control pages (pages "i" and "ii") of the document, then combine those covers and preliminary pages with the text that you have supplied. The document will then be issued online.

Paper copies of the four covers and two preliminary pages will be sent to the sole/senior NEFSC author should he/she wish to prepare some paper copies of the overall document as well. The Editorial Office will only produce three paper copies (*i.e.*, two copies for the NEFSC's libraries and one copy for its own archives) of the overall document.

A number of organizations and individuals in the Northeast Region will be notified by e-mail of the availability of the online version of the document. The sole/senior NEFSC author of the document will receive a list of those so notified.

Research Communications Branch
Northeast Fisheries Science Center
National Marine Fisheries Service, NOAA
166 Water St.
Woods Hole, MA 02543-1026

**MEDIA
MAIL**

Publications and Reports of the Northeast Fisheries Science Center

The mission of NOAA's National Marine Fisheries Service (NMFS) is "stewardship of living marine resources for the benefit of the nation through their science-based conservation and management and promotion of the health of their environment." As the research arm of the NMFS's Northeast Region, the Northeast Fisheries Science Center (NEFSC) supports the NMFS mission by "conducting ecosystem-based research and assessments of living marine resources, with a focus on the Northeast Shelf, to promote the recovery and long-term sustainability of these resources and to generate social and economic opportunities and benefits from their use." Results of NEFSC research are largely reported in primary scientific media (*e.g.*, anonymously-peer-reviewed scientific journals). However, to assist itself in providing data, information, and advice to its constituents, the NEFSC occasionally releases its results in its own media. Currently, there are three such media:

NOAA Technical Memorandum NMFS-NE -- This series is issued irregularly. The series typically includes: data reports of long-term field or lab studies of important species or habitats; synthesis reports for important species or habitats; annual reports of overall assessment or monitoring programs; manuals describing program-wide surveying or experimental techniques; literature surveys of important species or habitat topics; proceedings and collected papers of scientific meetings; and indexed and/or annotated bibliographies. All issues receive internal scientific review and most issues receive technical and copy editing.

Northeast Fisheries Science Center Reference Document -- This series is issued irregularly. The series typically includes: data reports on field and lab studies; progress reports on experiments, monitoring, and assessments; background papers for, collected abstracts of, and/or summary reports of scientific meetings; and simple bibliographies. Issues receive internal scientific review, but no technical or copy editing.

Resource Survey Report (formerly *Fishermen's Report*) -- This information report is a quick-turnaround report on the distribution and relative abundance of selected living marine resources as derived from each of the NEFSC's periodic research vessel surveys of the Northeast's continental shelf. There is no scientific review, nor any technical or copy editing, of this report.

OBTAINING A COPY: To obtain a copy of a *NOAA Technical Memorandum NMFS-NE* or a *Northeast Fisheries Science Center Reference Document*, or to subscribe to the *Resource Survey Report*, either contact the NEFSC Editorial Office (166 Water St., Woods Hole, MA 02543-1026; 508-495-2350) or consult the NEFSC webpage on "Reports and Publications" (<http://www.nefsc.noaa.gov/nefsc/publications/>).

ANY USE OF TRADE OR BRAND NAMES IN ANY NEFSC PUBLICATION OR REPORT DOES NOT IMPLY ENDORSEMENT.