CORRESPONDENCE

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## United States Department of the Interior



U. S. FISH AND WILDLIFE SERVICE MAINE COASTAL ISLANDS NATIONAL WILDLIFE REFUGE

9 Water Street P. O. BOX 1735 Rockland, ME 04841 207-594-0600 FAX: 207-594-0605

May 27, 2016

Peter Kendall, Herring Committee Chair New England Fishery Management Council 50 Water Street Newburyport, Massachusetts 01950

Dear Mr. Kendall and Committee Members:

I appreciated the opportunity to attend the recent herring MSE workshop in Portland to give input as a stakeholder to herring management. Our refuge has seven islands that host mixtures of nesting common, Arctic and roseate terns and a subset of those islands host puffins, razorbills, guillemots and other seabirds. We work in close collaboration with the members of the Gulf of Maine Seabird Working Group, which include the Canadian Wildlife Service, the states of Maine, New Hampshire and Massachusetts, several universities, and the National Audubon Society. Collectively, members manage Machias Seal Island, 11 colonies in Maine, White and Seavey Islands in New Hampshire, a multitude of small colonies in Massachusetts, and the large tern colony on Monomoy National Wildlife Refuge on Cape Cod. We all collect data on tern and alcid numbers, provisioning (diet composition of the chicks), and productivity. On some colonies this data has been collected since the mid-1980s.

We are very concerned with ensuring the availability of herring, as a high-lipid quality food source to support our nesting birds, and appreciate you taking into account the needs of predators when setting catch limits on herring. Although our birds do eat a wide variety of other fish, on some islands in some years in the past, herring has made up close to 80% of what they are feeding their chicks, with corresponding high productivity rates in those years. I have also attached 2 short power point presentations that show evidence of recent changes in the Gulf of Maine leading to declines in our bird productivity, especially east of the Penobscot River.

At the workshop, we were challenged to come up with indicators that cover the whole herring management area. Since common terns do cover that range, I suggested that their productivity (that is, the average number of chicks per nest that survive to fledge) might be a good indicator of when there are enough forage fish available to suit their needs. Our management plans suggest a target productivity of 1, so I suggested slightly less, or 0.8 as a rather random reduced productivity that might indicate less than ideal conditions.

After the workshop, I began to worry that this target might be too conservative, since many of the more south westerly colonies of common terns routinely have productivity above 1. So I looked at some productivity numbers and have attached them to this letter to give you a better idea of how the numbers look. Common terns are indicated by COTE, and the island list starts in the east and moves toward the southwest. I added the Arctic tern numbers as well. Blank spaces in the data are from years before a colony was restored, when a colony was abandoned for a year or more, or when (in the case of Arctic terns- ARTE) that species range does not usually extend to the westerly islands.

You can see that low productivity can be spotty and localized, so averaging all the islands' productivity in a given year would not be a good way to look at this as an indicator. It does appear, though, that "bad years" – presumably bad food years, although we would have to also look at the provisioning data for those years to confirm this- can be seen, as for example, 2004 and 2005 stand out in the common tern productivity table, so the suggested indicator does tell us something.

A problem with this indicator is that numbers are not available until the end of July, so changes in the herring catch control rules triggered by this indicator would lag, although since terns are feeding their chicks <10 cm fish, perhaps this does give important information about stock age structure to feed into your process. Our provisioning data, on the other hand, is collected from the time the chicks hatch in mid-June, so the absence of herring of conversely the presence of a substantial proportion of southern species like butterfish and lack of fish altogether that is then reflected in the birds feeding invertebrates to their chicks, could be noted and transmitted to you earlier in the summer.

Although Arctic terns only occur in large numbers from Muscongus Bay and east of there, so do not cover the whole herring range, we do think that their productivity may be something that is a more sensitive indicator that you may want to take into account. These birds are declining rapidly, and as their chart shows, their productivity numbers are frequently poor, especially when herring and similar fish are absent. Roseate terns, which are federally-endangered, would present a complimentary picture from Muscongus Bay to the west. Their numbers are also declining rapidly compared to the stable population of common terns.

I don't have the answers, but do want to reiterate that we are willing to work with you to find the best seabird-related indicator for your need to take into account adequate herring to support the predators in the ecosystem.

Sincerely,

Beth Sottel

Beth Goettel Refuge Manager

P.S. I have attached some additional papers that may be of interest related to this issue. See next page.

Cury, Phillipe M. et al. Global Seabird Response to Forage Fish Depletion – One-Third for the Birds. Science Vol. 334, 23 December 2011.

Cury, Philippe M. et. al. Supporting Online Material for Global Seabird Response to Forage Fish Depletion—One-Third for the Birds <u>www.sciencemag.org/cgi/content/full/334/6063/1703/DC1</u>

Goyert, Holly F., Foraging Specificity and prey utilization: evaluating social and memory-based strategies in seabirds. Behaviour 152 (2015) 861-895.

Kress, Stephen W. et al. Recent changes in the diet and survival of Atlantic puffin chicks in the face of climate change and commercial fishing in midcoast Maine, USA. Facets. 2016. 1:27-43.

Robertson, G.S. et al. Resource partitioning in three congeneric sympatrically breeding seabirds: Foraging areas and prey utilization. The Auk Vol. 131, 2014, pp.434-446.

Safina, Carl, et al. Evidence for Prey Limitation of Common and Roseate Tern Reproduction. The Condor 90:852-859. 1988.



May 22, 2016

New England Fishery Management Council 50 Water Street, Mill 2 Newburyport MA 01950

Attention: Thomas Nies, Executive Director

Re: Atlantic Herring Management Strategy Evaluation

Dear Tom:

I would appreciate your distribution of this letter to members of the Herring Plan Development Team, the Atlantic Herring Committee and the scientists involved in the Atlantic Herring Management Strategy Evaluation.

You are aware that the American Bluefin Tuna Association represents handgear tuna fishermen on the U.S. East Coast. ABTA (<u>http://www.theabta.com</u>) is actively involved in the international and domestic management of Atlantic bluefin tuna. In 2015, 3,129 vessels were issued General Category permits, 3,596 vessels were issued Charter/Heaboat (CHB) permits and 20,157 vessels were issued Recreational permits for Atlantic tunas. Our work and the ABTA-sponsored independent scientist's work on Atlantic Bluefin science benefits all of these fishermen and stakeholders of the herring resources.

ABTA appreciates the hard work of the Council in managing the herring fishery and equally appreciates the opportunity to contribute comments to the Management Strategy Evaluation (MSE) and the Council's first effort to successfully employ this process.

It is important for the MSE process to be 100% transparent to all at the beginning of this process and consequently we believe the widest possible net should be thrown for the purpose of accumulating stakeholder input and confidence. This includes the localized resource depletion issue for all concerned about adequate forage.

### The importance of Atlantic Herring in the Gulf of Maine

Atlantic herring is identified as a primary food source for such species as bluefin, silver hake, Pollack, cod and spiny dogfish.<sup>1</sup> Annual consumption of Atlantic herring by four groups of predators, demersal fish, marine mammals, large pelagic fish and seabirds averaged just 58,000 t in the late 1970's, increased to 123,000 t between 1986 and 1989, 290,000 t between 1990 and 2004 and 310,000 t during the years 1998 to 2002. Demersal fish consumed the largest proportion of this total, followed by marine mammals, large pelagic fish and seabirds.<sup>2</sup>

Atlantic herring constitutes a significant portion of the diet of the following mammals in the Gulf of Maine: fin whale, minke whale, humpback whale, pilot whale, harbor porpoise, white-sided dolphin, harbor seal and grey seal.<sup>3</sup>

The negative effects of fluctuations in herring abundance in the Gulf of Maine on Atlantic bluefin tuna are well documented and well understood.<sup>4 5</sup> In the Gulf of Maine, Atlantic bluefin tuna stands out as a predator species that is believed to be more highly dependent upon herring as forage (upwards of 50% of its diet) as compared with other predator species.

Shifts in the distribution of humpback whales in the Gulf of Maine in response to the collapse of herring stocks in the 1970s are also well documented. As herring declined, populations of sand lance (Ammodytes spp.: a competitor of herring) exploded, and humpback whales in the Gulf of Maine moved to areas with a greater abundance of sand lance. Consequently, scientists have concluded that changes in the abundance of herring may have led to major shifts in the distribution of humpback whales in the Gulf of Maine.<sup>6</sup>

### How does Atlantic herring abundance affect Atlantic bluefin tuna?

The Standing Committee for Research and Statistics (SCRS), the scientific arm of the International Commission for the Conservation of Atlantic Tunas (ICCAT) stated in the Atlantic bluefin tuna stock assessment of 2010, in part, as follows:

<sup>6</sup> Read, Brownstein. (2003) Ibid.

<sup>&</sup>lt;sup>1</sup> Link, J., Almeida, F., An Overview and History of the Food Web Dynamics Program of the Northeast Fisheries Science Center, Woods Hole MA, (2000) U.S. Department of Commerce, NOAA Technical Memorandum NMFS-NE-159

<sup>&</sup>lt;sup>2</sup> Overholtz, W., Link, J., Consumption impacts by marine mammals, fish and seabirds on the Gulf of Maine – Georges Bank Atlantic herring (Clupea harengus) complex during the years 1977-2002, ICES Journal of Marine Science, Vol. 64, Issue 1, P. 83-96.

<sup>&</sup>lt;sup>3</sup> Read, A., Brownstein, C., Considering other Consumers: Fisheries, Predators and Atlantic Herring in the Gulf of Maine (2003) Conservation Ecology 7(1): 2

<sup>&</sup>lt;sup>4</sup> Golet, W., Lutcavage, M., Campbell, R., Cooper, A., Decline in condition of northern bluefin tuna (Thunnus thynnus) in the Gulf of Maine, (2007) Fishery Bulletin 105.3: 390-395

<sup>&</sup>lt;sup>5</sup> Standing Committee for Research and Statistics, 2012 Atlantic Bluefin Tuna Stock Assessment (2012), International Commission for Conservation of Atlantic Tunas

SCRS 2010/116 examined the question of whether observed decreases in commercial landings of western Atlantic bluefin tuna in the US fishery were due to declines in abundance or availability. The authors concluded that from 1979-2005, the mean longitude of bluefin schools shifted eastward >350 kilometers (-70.39 to - 68.07°W), while mean latitude (40.92 - 42.73°W) alternated between the northern and southern Gulf of Maine.

The authors suggested that the redistribution of the Gulf of Maine foraging assemblage might be due in part to fish seeking more favorable forage offshore and northward to the Canadian Maritimes.<sup>7</sup>

The foregoing "redistribution hypothesis", as it is known, is supported by the U.S. and Canadian Rod and Reel Index which showed a sustained dramatic increase in CPUE in the Canadian fishery concurrent with a sustained decrease in CPUE in the U.S. over the time series (10 years). This redistribution hypothesis was reiterated in subsequent stock assessments. The SCRS concluded that the explanation for this phenomenon, the shift in bluefin abundance eastward toward the Canadian Provinces and away from the Gulf of Maine, is lack of availability of forage.

It is important to note that there is evidence to suggest that Atlantic bluefin preferentially consume mature herring of a certain age/length, and this should be taken into account in any analysis of optimum yield of bluefin.<sup>8</sup>

### The challenge

Consequently, the management of Atlantic herring as a standalone stock, with disregard for its critical role as a forage fish, would be "a fool's errand". Indeed, the UN FAO and major industrialized countries worldwide have been moving toward an ecosystem-based fishery management (EBM) approach to all commercially viable species for some time now. This means, by extension, that individual-species FMPs for species that inhabit the same food web must be adjusted to take into account the importance of the relationship between and among predator/prey species.

However, here in the U.S., there are statutory limits preventing NOAA or Regional councils from employing true or holistic "Ecosystem Based Management". These include Magnuson Act guidelines for biological reference points requiring minimum abundance levels for individual species or groups of species which cannot be violated. Further, the Marine Mammal Protection Act does not allow passive or active control of the populations of marine mammals which are significant consumers of herring. Thus, it is important to recognize that only a limited, partial or hybrid form of ecosystem measure is available to effect positive changes in predator/prey balances and relationships. These limits on ecosystem management inescapable shift more of the burden of meeting fishery objectives with restrictions on mortality caused by fishermen.

<sup>&</sup>lt;sup>7</sup> Report of the 2010 Atlantic Bluefin Tuna Stock Assessment Session (2010), Standing Committee on Research and Statistics (ICCAT), Madrid 2010, Executive Summary, P. 4

<sup>&</sup>lt;sup>8</sup> Logan M., Golet W., Lutcavage M., Diet and condition of Atlantic bluefin tuna (Thunnus thynnus) in the Gulf of Maine, 2004-2008, Environmental Biology of Fishese, May 2015, Vol. 98, Issue 5, pp 1411-1430

This reality should, at least, be fully analyzed for the added burdens upon all fishermen and the alternative higher fishery benefits possible if overpopulated or lower valued species were allowed temporary or permanent assignment of a lower than maximum population size.

### Large scale vs small scale management choices

Similarly, fishermen who target different species within the same food web using various gear types and harvesting methods will be competing for their equitable share of the resource. Vessel and fleet capacity and range are important components when studying ways to balance fishing effort on a given species in a spatial context.

A limited amount of the United States' EEZ remains open to all uses. Fishery management is moving away from individual management of each commercially viable marine species to a somewhat different form of management where science takes a more "holistic" view of the food web in a given region with a view toward bringing predator/prey relationships into better balance in an effort to correct imbalances and ensure sustainability and biodiversity.

Further, the issue of allowing access to coastal zones by all commercial vessels regardless of their harvesting ability is being addressed by Australia, the European Union and other countries with the intent to bring harvesting power or fleet capacity in-line with key elements such as species abundance. The lesson learned has been that small-scale, semi-industrial and industrial fishing elements are all interested in harvesting in locations that are a minimum distance from their homeport but, clearly, some vessels have a much greater range than others. It is the duty of the fishery managers, therefore, to devise a way to establish criteria that will allow for a better distribution of fishing effort to meet management goals.

Gulf of Maine Atlantic herring is an excellent example of a species that can benefit from this approach because it involves two important elements: herring is an important source of forage for numerous commercially viable species and herring is commercially exploited largely by a homogenous but small fleet of industrial vessels.

Sector Management is a fishery management tool utilized in the U.S. Atlantic herring fishery. It intends to distribute fishing effort throughout the region. However, sector management of this fishery is not sufficiently granular in its approach to allow for the needs of predator species that have historically showed a preference for inhabiting inshore areas.

# What are some examples of other countries who are actively addressing this problem and what kind of solutions are they implementing?

First, Marine Protected Area (MPA's), as employed in the U.S., have been highly controversial for some time and there is a need for a clear differentiation of an MPA from a Marine Buffer Zone (MBZ). MBZ's could have simple objectives such as establishing gear separation schemes and as a tool to

protect multiple fisheries within selected boundaries. MBZ's need not be advocated by unsupportable claims of region wide resource protection but rather by benefits allowing optimization of the highest and safest yields by diversifying fishing effort and mortality across the range of species availability.

We should set aside the traditional view we hold here in the U.S. of the function of a Marine Protected Area (MPA) or a Marine Buffer Zone (MBZ). Outside of the U.S., MPAs are implemented for many different purposes, so we have to widen our view of what an MPA can accomplish in order to understand how other industrialized countries are using MPAs.

Already, there is vigorous discussion of moving single sector management of ocean areas to a precautionary system that "balances the use of living marine resources, energy and minerals from the deep ocean with maintenance of a productive and healthy marine environment."<sup>9</sup> New Zealand uses Marine Protected Areas as follows:

Preservation Zones (No entry) Marine National Park Zones (No take, some traditional use) Scientific Research Zones (No take, some traditional use) Buffer Zones (Trolling only, usually surround no-take zones) Conservation Park Zones (restricted fishing) Habitat Protection Zones (no trawling) General Use Zones Commonwealth Island Zones (no take, low impact activities)<sup>10</sup>

The New Zealand Ministry of Fisheries has already developed a framework for marine protected area policy, development and implementation.<sup>11</sup> New Zealand has also established benthic protected areas.<sup>12</sup>

The Australian Government has developed an elaborate system of marine buffer zones in the Great Barrier Reef.<sup>13</sup>

The EU is also using a buffer zone to delineate coastal areas where smaller commercial vessels with limited harvesting capacity are given exclusive access and therefore do not have to compete with larger industrial vessels for the same resource.

<sup>&</sup>lt;sup>9</sup> Mengerink, K., Van Dover, C., Ardron, J., Baker, M., Escobar-Briones, E., Gjerde, K., Koslow, JA., Ramirez-Llodra, E., Lara-Lopez, A., Squires, D., Sutton, T., Sweetman, A., Levin, L., A Call for Deep-Ocean Stewardship (2014) Science, Vol. 344, P. 696-698

<sup>&</sup>lt;sup>10</sup> http://www.doc.govt.nz/nature/habitats/marine/marine-protected-areas/

<sup>&</sup>lt;sup>11</sup> <u>http://www.fish.govt.nz/en-nz/Environmental/Seabed+Protection+and+Research/MPA/default.htm</u>
<sup>12</sup> <u>http://www.fish.govt.nz/en-</u>

nz/Environmental/Seabed+Protection+and+Research/Benthic+Protection+Areas.htm

<sup>&</sup>lt;sup>13</sup> <u>http://www.gbrmpa.gov.au/zoning-permits-and-plans/zoning/zoning-guide-to-using-the-marine-park/interpreting-zones</u>

EU policy is a framework for each individual member-state to adopt and adapt to their local, existing conditions.<sup>14</sup> Further, the EU Common Fisheries Plan has special provisions for protection of artisanal fisheries, in line with UN FAO recommendations.<sup>15</sup> This is interesting, because the U.S. Atlantic bluefin tuna fishery is an artisanal fishery, as defined by the UN FAO and ICCAT.

Buffer zones have been shown to benefit catch and promote local fishery sustainability by providing exclusive access to certain areas by small-scale fishermen using low-impact gears, as well as recreational fishermen. To the foregoing, one can add non-fishing activities such as whale watching. This is particularly true when protecting certain forage species from excessive harvesting at vulnerable times and places such as nursery areas, traditional foraging areas or spawning aggregations.<sup>16</sup>

### Management Strategy Evaluation – Comments

ABTA recommends an approach that establishes a strategic/conceptual objective of the MSE exercise, as follows: to ensure that Atlantic herring provide sufficient forage for fished predator species so that it is possible to continue to achieve optimum yield for those species.

- 1. The foregoing assumes a recognition of the desirability of a necessarily limited ecosystembased approach to Atlantic herring in the MSE exercise. This should therefore be elevated to a "strategic objective", in accordance with the protocol established by Dr. Andre Punt.<sup>17</sup>
- 2. To convert this strategic objective to a "performance measure" we should develop a "multi-species/multi-sector MSE" model or an "limited ecosystem MSE" model. A "limited ecosystem MSE" is more appropriate but will no doubt engender conflicts among stakeholders and will certainly add to the complexity of the MSE exercise. It would also have the benefit of providing clear recognition of the costs to the ecosystem and fisheries from overabundant low value predators and overpopulated marine mammals.
- 3. Localized Resource Depletion: This parameter can indeed be incorporated in the MSE. This step is necessary to ensure that herring provide sufficient forage for fished predator species in locations where foraging has historically taken place.
- 4. Converting LRD into a performance measure can be achieved in different ways. An example of performance metrics could be, for example, "the proportion of U.S. catch of Atlantic bluefin tuna caught within XX nm of the coast", or simply, "catch of bluefin tuna by the XX and YY sectors". The performance metrics should be as detailed as possible and reflect concerns regarding forage/predator relationships as expressed earlier in this letter.

<sup>&</sup>lt;sup>14</sup> Fock, H., Natura 2000 and the Common Fisheries Policy (2010), European Parliament's Committee on Fisheries, Directorate General for Internal Policies

<sup>&</sup>lt;sup>15</sup> ftp://ftp.fao.org/fi/DOCUMENT/gfcm/mpa/2007/ReportMPA\_2007-final.pdf

<sup>&</sup>lt;sup>16</sup> Roberts, C., Hawkins, J., Establishment of Fish Stock Recovery Areas (2012), European Parliament, Directorate-General for Internal Policies, Fisheries.

<sup>&</sup>lt;sup>17</sup> Punt, AE, (2015) Strategic management decision-making in a complex world: quantifying, understanding, and using trade-offs, ICES Journal of Marine Science, doi: 10.1093/icesjms/fsv 193

5. There are many ways to set up an operating model that examines the issues of LRD and limited ecosystem MSE. The Ocean Modeling Forum has been exploring similar issues for the West Coast Pacific sardine fishery. The question they have been addressing most recently has to do with the impact of sardine harvesting on predator species such as brown pelican and California sea lions. To do this, the scientists developed an operating model that was spatially structured (boxes from Mexico to Canada) and included sardine, anchovy and "other forage". Further, these scientists modeled the sardine harvest control rules as well as the interaction between the predator and prey species. We have uploaded to the ABTA website an important power point presentation given two weeks ago by Dr. Andre Punt at the Spring 2016 meeting of the Ocean Modeling Forum that discusses the modeling developed for the sardine fishery. This provides an excellent example to the NEFSC as to how a model can be developed to take into account the foregoing considerations. Here is the link: <a href="http://www.theabta.com/news/">http://www.theabta.com/news/</a>

ABTA appreciates the opportunity to express its views regarding the Management Strategy Evaluation.

Respectfully,

Richard P. Ruais, Executive Director American Bluefin Tuna Association



New England Fishery Management Council 50 WATER STREET | NEWBURYPORT, MASSACHUSETTS 01950 | PHONE 978 465 0492 | FAX 978 465 3116 E.F. "Terry" Stockwell III, Chairman | Thomas A. Nies, Executive Director

May 20, 2016

Mr. John Bullard Regional Administrator Greater Atlantic Regional Fisheries Office National Marine Fisheries Service 55 Great Republic Drive Gloucester, MA 01930

Dear John:

In accordance with provisions of the Magnuson-Stevens Act, I have reviewed the only regulation included in the 2016-2018 Herring Specifications in order to deem whether it is consistent with the Council document and intent. The regulation re-instates the Herring Area 1A sub-ACL increase based on catch level in the New Brunswick weir fishery. This regulation was previously in the regulations but was removed with the last herring specification which did not include this New Brunswick weir fishery provision. This review is based on the draft regulatory text provided to the Council by email on May 19, 2016. I have concluded that the proposed regulation text is consistent with Council intent.

Please feel free to call me with any concerns.

Sincerely,

Shomas A. Nell

Thomas A. Nies Executive Director

From: colleary@quikus.com [mailto:colleary@quikus.com] Sent: Tuesday, May 17, 2016 7:34 PM To: Rachel Feeney Subject: Herring

Hello Ms. Feeney,

My name is Michael Colleary, I'm an Associate Member of the Stellwagen Bank Charter Boat Association. This note is to express my interest in protecting Herring from being overfished by Large commercial vessels. The forage fish like Herring are a resource that are a foundation to so many marine species. I fish commercially for Bluefin Tuna as a Crew member and Recreationally as a customer of Charter Boats. The lively hoods of so many are impacted when fish like Herring extracted in mass quantities. Please Consider this message a request to keep Large Commercial Trawlers Off shore.

Thank you for your time.

Michael Colleary Pembroke MA. 02327

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MAY 16 2016

Stellwagen Bank Charter Boat Association P.O. Box 1230 Marshfield, MA 02050



May 16, 2016

Mr. Tom Nies, Executive Director New England Fishery Management Council 50 Water Street; Mill 2 Newburyport, MA 01950

Amendment 8 Re-Scoping comment

### **"AMENDMENT 8 HERRING SCOPING DOCUMENT COMEMNTS**

Dear Tom,

I'm submitting this Amendment 8 comment on behalf of the membership of the Stellwagen Bank Charter Boat Association. We previously commented during the original scoping period for Amendment 8, in which we supported efforts to protect the forage base in our inshore waters. We reiterate this support and also encourage the Council to take steps to address the specific problem of inshore depletion caused by the mid water trawl fleet.

Though the summer buffer zone (Purse Seine/Fixed Gear Only rule) has done an enormous amount of good, it has not been enough to protect the areas our members rely on. First, many problems occur every October when the summer buffer zone expires and the boats can come back in. Last year was a prime example, as they fished hard around the tuna fleet off of southern Jeffrey's Ledge as soon as the area reopened. Then, after the Area 1A quota was filled, they fished for mackerel for weeks on Stellwagen through exemptions they are now being given under the Research Set Aside (RSA) program—and they did so with almost no observer coverage. Second, these big boats can fish just miles off Cape Cod year-round, another area that is critical to many of our members. This happened most recently in May.

Instead of fishing well offshore, where you would expect 150-foot pair trawlers to fish, they are constantly fishing right off the beach. And they often choose areas that are supporting fleets of small inshore fishermen at the time. While the exact location may change from year to year, the result is always the same. The herring is wiped out, the

rf, db

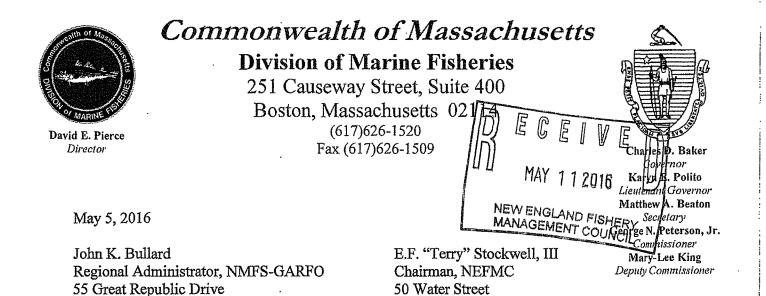
predators are driven away, and the fishermen suffer. The trawlers also cause long-term problems for the area that is chosen—these areas are not the same for years after they are hit hard. This fleet has shown time after time that they cannot use this gear without hurting everyone else in the area.

The Council can finally put an end to this problem by giving our inshore waters yearround protection from the mid water trawl fleet. We urge you to do two things. First, the Council should extend the Area 1A buffer zone from four months to twelve months. Second, the Council should also create a new buffer zone off of Cape Cod that is similar in distance-from-shore of the buffer in 1A. This was supposed to happen during Amendment 1, but it never materialized.

It's unacceptable to allow a few large, small-mesh trawlers to ruin the inshore ecosystem and the livelihoods of so many others fishermen. Please take this opportunity to finally get these boats out of the inshore area we all rely on to make a living.

Thank you.

David Waldrip President Stellwagen Bank Charter Boat Association



Newburyport, MA 01950

Re: Commonwealth of Massachusetts State Designee

Dear Mr. Bullard and Mr. Stockwell:

Gloucester, MA 01930

I write, per 50 CFR §600.205, to appoint Catherine E. O'Keefe, PhD. as my official designee to act on my behalf on the Sea Herring Committee of the New England Fishery Management Council.

Ms. O'Keefe, a full-time employee paid solely by the Commonwealth of Massachusetts, recently joined the Massachusetts Division of Marine Fisheries after years of experience working as a Research Assistant Professor at UMass Dartmouth's School for Marine Science & Technology. Catherine received her Doctorate in Living Marine Resources and is currently a member of the Monkfish, Red Crab, and Scallop Plan Development Teams. Cate will make many significant contributions to the Sea Herring Committee as my designee.

Sincerely,

David Siene

David E. Pierce Director

Cc: Dan McKiernan, MA DMF Tom Nies, NEFMC

rf, db - 5/20/16



# **Greater Atlantic Region Bulletin**

NOAA Fisheries, Greater Atlantic Regional Fisheries Office, 55 Great Republic Drive, Gloucester, MA 01930

For Information Contact: Sustainable Fisheries Division (978) 281–9315 http://www.greateratlantic.fisheries.noaa.gov/ Date Issued: 4/26/2016

### 2016 Atlantic Mackerel, Squid, and Butterfish Specifications MAY - 2 2016

Effective Date: April 26, 2016 and May 26, 2016

NEN ENGLAND FISHERY MANAGEMENT COUNCIL

NOAA's National Marine Fisheries Service has approved the Atlantic mackerel specifications and river herring and shad catch cap for the 2016 through 2018 fishing years, as well as additional management measures in the squid and butterfish fisheries.

A full summary of information about Atlantic mackerel, squid, and butterfish fishery regulations is available online at

http://www.greateratlantic.fisheries.noaa.gov/sustainable/species/msb/index.html.

### Change Effective Immediately (April 26, 2016)

Vessels with a longfin squid and butterfish moratorium permit are no longer required to call into the pre-trip notification system.

All of the following changes will go into effect on May 26, 2016.

### 2016 Commercial and Recreational Quotas

The table below shows the 2016 quotas for each species. The quotas for *Illex* and longfin squid are unchanged from 2015. The butterfish quota is reduced by 1,488 mt from 2015. The Atlantic mackerel commercial quota is reduced by 11,695 mt from 2015, and the recreational harvest limit is reduced by 783 mt from 2015. The butterfish mortality cap is the same as it was in 2015.

Mackerel, Squid, and Butterfish 2016 Quotas (mt)					
	Mackerel	Butterfish	- Illex	Longfin	
Recreational Harvest Limit	614	N/A	N/A	N/A	
Domestic Annual Harvest (DAH/quota)	9,177	21,042	22,915	· 22,445	
Tier 3 Mackerel Allocation (7% of DAH)	102	N/A	N/A	N/A	
Butterfish Mortality Cap in longfin squid fishery	•			3,884	

The longfin squid DAH is allocated into trimesters as follows:

Trimester	Percent	Metric Tons
I (Jan-Apr)	43	9,651
- II (May-Aug)	17	3,816
III (Sep-Dec)	40	8,978
Total	100	22,445

For small entity compliance guides, this bulletin complies with section 212 of the Small Business Regulatory Enforcement and Fairness Act of 1996. This notice is authorized by the Regional Administrator of the National Marine Fisheries Service, Greater Atlantic Region.

### 2016 River Herring and Shad Catch Cap in the Atlantic Mackerel Fishery

The river herring and shad catch cap is 82 mt. Once the Atlantic mackerel fishery catches 95 percent of the river herring and shad cap (77.9 mt), the directed Atlantic mackerel fishery will be closed and vessels will be limited to a 20,000-lb incidental catch trip limit for the remainder of the fishing year.

#### 2017 and 2018 Atlantic Mackerel Specifications and River Herring and Shad Catch Cap

The Atlantic mackerel specifications will remain the same in 2017 and 2018 as those specified for the 2016 fishing year. The river herring and shad catch cap will also remain the same for the 2017 and 2018 fishing years.

### Changes to Squid and Butterfish Management Controls

Vessels with a longfin squid and butterfish moratorium permit can now possess up to 5,000 lb of butterfish using a net with mesh 3 inches or smaller. It has also been clarified in the regulations that vessels are allowed to use 5-inch (square or diamond mesh) or greater net strengtheners.

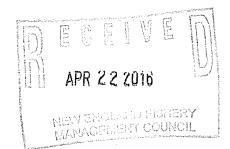
#### Page 2 of 2



UNITED STATES DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration NATIONAL MARINE FISHERIES SERVICE GREATER ATLANTIC REGIONAL FISHERIES OFFICE 55 Great Republic Drive Gloucester, MA 01930-2276

APR 18 2016

E.F. "Terry" Stockwell, III, Chairman New England Fishery Management Council 50 Water Street Newburyport, MA 01950



Dear Terry:

Thank you for the February 5, 2016, letter outlining the New England Fishery Management Council's support for using state portside data to monitor fishery catch caps in the Atlantic herring fishery.

In January 2016, the Council approved a motion requesting NOAA's National Marine Fisheries Service (NMFS) to use portside sampling data, in addition to NMFS observer data, to monitor catch caps in the herring fishery. My staff is evaluating the feasibility of using state portside sampling data to monitor the haddock and river herring/shad catch caps. We are also considering ways to integrate those data with our current monitoring methods. I will provide an update on our findings at an upcoming Council meeting.

Effective catch monitoring is a priority that we share with the Council. I appreciate the Council's efforts to improve catch monitoring and look forward to working with the Council on ongoing monitoring improvements in all fisheries. Please contact me if you have any questions.

Sincerely, John K. Bullard **Regional** Administrator

Cc: Thomas A. Nies, Executive Director, New England Fishery Management Council Richard B. Robins, Chairman, Mid-Atlantic Fishery Management Council Dr. Christopher M. Moore, Executive Director, Mid-Atlantic Fishery Management Council



eng Pavidates R Anthony J. our ecosystem is managed. Thenk Some for the doloy and missing the docaline on the comment period, citizens, and activists on the issue of Amendment & the control me. but here are SSD+ signatures names under consideration. Those Individual more want to ensure I hope the council takes there from regional fishermen, concerned Dear Chairman Stackwehl you!

Dear Chairman Stockwell and the New England Fishery Management Council,

I am a New England resident and a recreational angler and I request that the New England Fishery Management Council take action through Amendment 8 to the Atlantic Herring Fishery Management Plan to keep the largest vessels in the herring fishery offshore. This will help Atlantic herring by limiting industrial fishing in their spawning grounds, protect river herring when they are in our coastal waters in the spring and fall, and allow predators like striped bass and tuna to have food available in the times and places they need it most. I also urge the Council to explicitly account for the needs of predators when setting Atlantic herring catch limits. Please include the following alternatives in Amendment 8:

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NAME (Please print)	CITY	STATE	EMAIL
Michael Collins	East Grewwich	121	MSC 3771 Cgmail icon born 2 bmoi Ogmail.com
Vy Duong	Lynn,.	MA	born 2 bmoi @ gmail.com
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NAME (Please print)	CITY	STATE	EMAIL
Cheryl-Guyette	milluile	ma	caption Rolog aoL
MAN	Foster	RZ	Mig Foster At G. MAIA, can
South Bourlean	Aurestr	RI	m Boud 568 By Lahow, Com
loseph Gullaghel	S. Boston	MA	Halvald 76@gmail.com
Rober Lewis	Eastpoll	R1	
Melvin Gibson	Wast Warwick	RT	
LHRIS EVANS	LYMPE	ET	CHRESEULUSHZZP GMAELOCOL
ANDREW B. NICHOIS	middletoun	CT	Andrew @ FISHIN FACTORY 3, COM
Michael Keller	Docthem	MA	Michael Keller 1008 yehou, can
michael Shannon	North Providence	RI.	surfnitre la hotmail.dem
DETROIT MARIANI	WAKEFIELD	RI	
Joe Phisheni	Norleh Kingston	Rt	
Juliana Piggin	Newport	RI.	
Brittany mathis	Michletaun	IST	
gilbert Medeiros	West Warwick	RI	

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NAME (Please print)	CITY	STATE	EMAIL
Scott Loughlin	Sutton	MA,	None
Mille Gaste	Suttor	MA	11
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Nat Dord	. CIANSFON	RI	
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Brighna Lew: 5	Last PIGV :	R	Non
Chris Garcia	North Kingston	RI	NONE
Ryan Severny	Foster	RI	Nore
DELS GOWSANIES	EAST PROV	RI	
DANIEL SIMAS	BRISTOL, RJ	RI	DSIMSISC ADL, Can
JOHN CLIMA	CHORUSSYDIN ATE	PZT.	

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NAME (Please print)	CITY	STATE	EMAIL
Aarm Botte	East Providence	KI.	a-ronvisco hodmail.com
ELON SUTTER	DECCINCHAM	MA	ESCITZERO7232010 CEMAN, COM
HENRY WEND	COLIENTRY	RÍ	hagno Cox.not
HAROLD CRONTHER	DARMOUTH	MA	handel. Consuddres a Va. 901
David Stone	PLY mo out th	MA	david, Stone 1. Q autiLook.com
ADAm boerfler	mashper	mA	a and p3 & comeast. net
Eric Fournie	Lincoln	NI	Eric Univ 87@ yahob
Tyler Four rier	Linch	AL	Tynier II @ yahod. Com
ALAN GTHASSI	BLACKSTONE	MA	PAITBUCKET 20 AT GONALL
HANCES PArkhouse	CrAnston	RT	JPArklache, cal
Landon Colien	Providence	RE	Lancolevier yahoo, for
Chris Young	Natraga vsett	R.I	MY 34 a VAhor Com
Joel Ellis	Hopedale	MA	joel 324 le gmail. com
MADIT	Easta	MA	madel@ aol.cm
DAERY VAY	Fitchberg	MA	
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NAME (Please print)	CITY	STATE	EMAIL
Bab Manderike	Thurson	MA	
Sieve Reardon	SWAINSTUN	CT	· ·
Ralady Husett	mellitle	Ma	cuptain solo @ off-shore chuster , com
S Stu bar	TIVIERTOW	RT	Sq6/847@Gmil, Com,
Patrick Shackleton	Powtacket	RI	
C. Sharkletin	Pacetuly &	RF	Shael((eton(g) Corech. Wei
DAN LONG (AY	N Kungstown	NE	
Brygnd Kontane	New Buley port	MA	REFDESC TOS. NET
DREV KENNT	EAST LYME	C7	DREUKENNY CSBC GOULAL, NET
DAN ROWAN	EXETER , NF	RF	NUBSES Diverizonmet
Mike Hewitt	WARWICK RI	RI	WERELOCB @ HOTMAIL. COM
Doshug Hewitt	Pawtucket	RT	SK81027Qad_com
& predubatubar	Newbondon	C<	
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NAME (Please print)	CITY	STATE	EMAIL
Bill Finzone	W Warwell	Rt	
Anthony Pinzone	Pawcatyck	$C\Gamma$	
Bym Manks	bleimam.	MA	Drymphle1729mphlccm
RVAN KIAUS	Providence	RT	RKRAUS43@ gMAil. COM
B_ VHilt	N Providence	(CL	Byhebert Ogmail, com
Difan Smes	Riverside	RI	
John Nestell	Riverside	RI	·
(orey O'Brien	Cumberland	RI	
John Cox	Cumperland	RT	``
TONY MASTRACCI	bun longton	MA	
Danet THACKABERRY	HOOK. TO	M9	
Jels Marlek	CUMBERLAND	RŦ	DEANAS DADDY @ UERIZON. NET
Kan Van In	Cumberland	R.T.	Briangle bliss MIFG. Com
Annette Puleo	Cumber/and	RJ.	Shneffe Auteo15 @ ampil, com
Bill Mandenlie	Tainten	Ma	

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NAME (Please print)	CITY	STATE	EMAIL
DAVE BURNIE	HArwich	MA	LAVIZ & COASTINEMA. (OM
Robert Locantore	Chatham	MA	5'Slocol 7 a yahoo. com
Shawn Smith	Riverside	RI	Shawn 225@ gmail. com
RIG. J Pereira	east providere	hì	Peniva Ryan GER Shaill com
mike Belleni	Swanseg	mA	mbellen, @ ymgil-com
NECK BELLANY	WESTPORT	MA	NTSELLANY Q YAHUO. COM
-Tadd B-120	Saughing you	CT	Thousa to stand
Tucob Bruno	Southington	Ct	Jacobbr mOB / C/1, 110: COM
Ruter (Underson	144 JANEST Ale	ME	
John M Stecich	Falmouth, MER	MA	Striperhuntersce@Outlook.com
tim tohes	Cape Call, M	BA	TJ.8974 a GMgd. CUM
mike oronnell	Seekink	MA	MORG 336 @ (mags], aver
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NAME (Please print)	CITY	STATE	EMAIL
MICHAEL GAONE	E. GREEENWINICH	R.I.	Mgame @ Suburban resources. com
All	Gardyer	Ma	Ida/ 2011@ Jahow. Com
PANEW. PLUCINSE:	S. Dennis	MA	PAUL W. PLU @ 6 Mail, Com
Kara Plucinski	S. Dennis	MA	Karaph Dcomcast, net
Judy Veazie	Whitman	MA	Veuzies @ Comcast. net.
William Vearie	WHITmam	MA	VEAZIE K is in it in
Tara Hathaway	Ceventry	RI	taradigre @yahou. Com
WAYNE Coking	Acustant	MA	w corken O' comcost . not
mark Jardin	New Bedford	MA	M- JAVGING MEN-COM
Tammy Taylor	Attleboro	MA	tantay 65@ ydnoo. Con
Edward Highes	Attleboro	MA	
Olivia Penney	Provid ence	RI	Owpenney @ qmain (Om
Joe Antones	FallRiven	MA	JDAntunes 1 e gol. Com
CRISTAL AATURES	Fall Riven	MA	Cantones@adl.com
Dan Brosnan	BUZZARDS BAY	MA	
Betsey Brosnan	Buzzards Bay	MA	- · ·

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NAME (Please print)	CITY	STATE	EMAIL
35/m Carlon Fox	Woods Hole	MA	
Alling Frankry	Middleburo	MA	Allin Fudulox @ HUTMAIL.Com
Chris Barden	Somerset	ma.	unterdocabsi @ aor. com
STEFAN ZAVATO NE	OLD SAYBROOK	et	FINSZ CMAC. COM
LEN V. ZAVATONE	CHESTER	CT	ZAVATURE 064120615AIL. CUIZ
Louis Barraet	SPRING Field mat		PIER 138 e comcAST. NET
MARK Kys	PORTHYMOUTH REC	RI	MARKKeys Q cox. net
JEAN SEGUIN	FAIRHAVEN	MA	FAIRHAUENVEAN@GMAIL, con
Daniel M. BAZVIE	Neutaven	Å	
RICHARD Wave	New Haven	5	RAWWORKS 080 Gmail. con
Ed Pierre	W-TISBUTY	MA	epm V D comcast. ne f
RSBERRY	F. N.ST CREATEWICH	RI	RSBERRIS9 @ GMAIL COM
R GURGYNGI	arnun ct	C.L	Ritenta cur Net
JoeL DoscHAMPS	Sockany	MA	DIVERHUSGOCONCAST.NET
RAFAEL CHAVES	PORTSMOUTH (	RI	raffetta@ comenser NET

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NAME (Please print)	CITY	STATE	EMAIL
Spencer Scalfe	Kaynhan A	MA	Spencerscaileognail.con zeldamacgnegor@gmail.com
ZEUDA Machkenok	FLYMOUTH	M	Zeldamacquegoraquesilicom
Kur Rivard	Warren	RI	
KUSS KUSTON	Winden	RI.	
Miedhatt	MG. Smith	RI	NA
Janie M. Emmons	WOON	R.I.	
MottPatrick	Waquoit	MA	repmattp@cape.net
John P. Brooks	Nikingstown	RI.	NKFDIUJe hot mail, com.
Jason Bowie	Plymouth	MA	jason@laittensharks.org
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Bowahtha Dallaire	Murrauth	Ma	
Skaly di Vide	Pruticket	RI	shaelynd Oman.com
San Bowland	DuttetA	ZT	
Marc Pasquezza	Cranston	RI	marc-pasquazzi@gmail.com
DJ Mullu	CRATION	RI	djmall 13 @ msn. com

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NAME (Please print)	CITY	STATE	EMAIL
Richard Deschenes	Swansca M	MA	NOMLAS 200 AUL. COM
MICHAEL J. KELLEY	BRISTOL	RI	miksok@cox.net
MIKE SOSNOWSKI	BARNSTARLE.	MA.	CAPTAINMIKE OCOASED LEXCUTSIONSIL COM
Kafael Amero	Pawtecket RT	RT	anno rafed 2 @ Ycha. com.
James VA.L'L	MONSON,	MA	JamesVAIllehodmail.com
Tom Houd	Boston MA	MA	tommyliouste quest, com
Jon Pilcher	Fq)mouth,MA	MA	jonathan_placher@hotma. / com
James Kilmannin	Providence, RI	RI	Joures Kluestin (a) in For pak, co
Dana Donato	Navvagansett RI	RI	d donato 3 Qgmail.com
RAY LAINE -	TAUNTON INA.	MA.	RAHAINE @ Concert not
Dinald Reily	Westport.	MA	dveilly@cavegroup.harvard.edg
Prelimit finin	LITTLE COMPTON	RI	RICK PINEAUQ ADL. COM
Keik Kinger	Westport	MA	Keith @ Acontet. com
DAVID SHANford	EAST Greenwich	RJ	d54Nford CO @ QUANAPICOM
(HOMAS ASSAI)	ELITS GAZENWARE	RT	THOMAS ASSAD ATPSO. COM

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NAME (Please print)	CITY	STATE	EMAIL
DAVID AN HMERSFOORT	EXCLER	RI	B. VAN AMIE Kerrin
Russell WOOD	Smithfield	RI	WOOD BOCT Motor. Com
RAYMOND A. DEROSA	NARRAGANSETT	R.I.	RAYMOND. DEROSAQCOX. NET
Michael R. ChoberkA	Attleboro	M.A.	mike P. Choberta @ Yahoo. com.
MARTIN TM GOVERN	Whitman	MA	MCGOV 800 CCOMCAST. Act
Aun Margaret Tut	North Providence	RE	annuargaret. futu Dicloud. com
Tyler Curry	North Providence	RI	to tenry goognail.com
STEPHEN BARR	FORESTDALE	MA	STEVE BARR @ ExciTE, Com
FALL SLORTS	PROVI	RI	
(arry Ashley	Providence	R.I.	
ADAMA ZYSK	N. ATTLEBORD	MA	· · ·
Daniel V. Sharts	East Prov. DE.	RI	Gutfish 180 gmoul 1 com
Daniel Wooter	Rumford	RD.	Dwaters 30@ Hot mail con
Keite Kruze	Westport MA	WAA-	Keite @ Acontet dem
Robert Lewis JR	EAST Prov	RI	· · ·

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NAME (Please print)	CITY	STATE	EMAIL
13Ht Wolfe	Mian+-C	C+	
ANTHON 1441501	Ru	RT	
Mark Copithorne	Brindsewater	MG	
Matthey Smill	Warwich	RF	
France TACONARD	Sector	TASS	
Chur Mans	Uncasulle	ì.T.	
Christing Donovan	UNCASUILLE	CT	
DAVIDBBUTTERFIELD	Jamesto un	RT	
Dylan Fisher 1	Dartmouth	MA	
Theur Remington	Pegbody	mA	
DAVID AHEARN	DEABODY	MA	
RIAN WAISH	PCASOON /	NA	
Chevel Jarris	N. Attlebord	MA	
Ross Loveing	N. Attlebord	MA	
BRIAN LIMA	E PROV	RI	
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NAME (Please print)	CITY	STATE	EMAIL
DONALD HONEYCOTT	WESTORT	MA.	
JOHN F. PENN	RUMFORD	RI.	Λ
Kenny (ABAR	Borne	ma	1 cenny c420 Chomla
Evan montanez	Hudson	Ma	Fin
LUISE. MONTANEZ	Hudson	MA.	
Michael Andrews	Boston	MA	
Jason Richards	E. Providence	A	
PETER UABRIE	ATTLEBORD	MA	
milu Jour	RNENSIDIE	RIT	
Ven / Bahr	Comber gent	R.I.	1 baker@cpsed.net
gim Coffee	FormHav w	MA	
Sandi Annas	Tanhane	MA	
Tampler dalie	AHRADRO	MA	
Timony W	Bolfon	MA	
Dam & Oftat	SOMENT SX	NIX	
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NAME (Please print)	CITY	STATE	EMAIL
Torn Sola	Laston	C+	
Lu cas Baksar	Easton	Ct ·	
Jose Kary hu	Natick	ma	
() Sten Corbett	Glacester MA	MA	·
MATTE GOLLETT	Glowcester MA	MA	1
PAJI NEWMIER	BASTHAM,	mA	
Rod Kabralom	Andre	NIA	
Matt Kelsey	Barrington	RI	
Maria	E. fretan	ort	
Steven Higgs	Streitford CT	CT	
Igm/ Litasi	Waterfard	CD	
Harr Carnshall	WArwich	R	Drookeyp 10 GMA.I.com
Pols SIA Adam	C.F.	Rit	
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HAYDEN L. BOUlliF	WESTBROCK	ME	

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NAME (Please print)	CITY	STATE	EMAIL
James Jankes	WOGOSA	Ma	big; in 12/165@ 100.com
Daniel. Smith.	North Attlebaro	Ma	Yellowman 8995 @ Gmgi). Korn
Dave MONTON	North KINESTOCE	RI	Bearentan Rodand Reen Rlive, Con
Tracey Morton	N. Kingstown	RI	mordtab@live.com
PAUL MARTINEZ	HIGHLANDS	NJ	PAUL COMMEISHINGLURES.10M
KENNETH Walneth	Rochdule	MA	CUSTOMELYTYER @ Yahas, com
Sharry walrath	Rochdale	MA	Sherrylynn 58 Ryahar.com
Dennis 5 MATINA	abington	MA	DMACE Hicus.com
David Riley	Coventry	Rit	DRitey 15 C Gimail. com
Jack Houghton	Abington	MB	Jack@ hicus.com
COLTON MCGRATH	ABINGTON	MA	
DON HOBART	ABINGTON	MA	
John Mifsud	Massgregua	NY	JJSurfcaster (W gol. com
ROB BENZINGER	· SUNNYSIDE	NY	RBENZ P. LUINERK. COM
BOB Ferre; va	TAUNTON	MA	Nowe
Eric Ferrena	Taunder	MA	gerslures 34@gmail.com

# Keep Industrial Herring Vessels Offshore and Protect the Ecosystem $_{\neg m} R_{-}$

Dear Chairman Stockwell and the New England Fishery Management Council,

- Prohibit the use of all midwater trawl gear in a "buffer zone" that extends 50 miles offshore for the entire New England coast, including Southern New England.
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NAME (Please print)	CITY	STATE	EMAIL
Chan Chhoev	Prov	RJ	
Willie DAVIS	Brick.	NJ	
Joe horper	Pikingson	R1	
Store Mense	LT.	NY	
7. Jus	DOUAR	NH	
TJ HARRIS	E, PROVIDENCE	FL	
Kevin CORMADO	BMSTOL	RE	
Tennille Francis	Brisbe	EI	
Paul Dissins	Boston	MA	
DAVID WALDRIP	Rockland	MA	
YEN WALSON	AUNAPOLIS	MA	
John M. Wilson	Maine	ME	
PAAY AVITADLE	BOUKANE	ing	
The Delhid 1	Warwilla	RE	
Scon Styler	CRANFORD	NT	
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NAME (Please print)		STATE	EMAIL //
RALDH WILKINS	Cherry /aller	M	ODYS PHTAMA / OPMan, CUM
JOHN HOFFLOW	Brighday Ma	MA	into o the Fishing acadomy and
Kathy Granfield	West Haven CT	06516	hydegranny a hotmail. com
Evelise pesside	Charry N.	Ny	eveline po@omail. Com
G. Wichard Seaver	Phymiel NH	0	
Jaman Kabitaille			· · · · · · · · · · · · · · · · · · ·
JOHN PERRY	N. SMUTHFIRLIN	RI	
Vic Piment	Buln MA	MA	
Agasa	a by yick	AT	BODE CNSKI. COM
S AN	PULLOUTA	MA	SANMIDOCANO/00 HOT MA
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	FD OT	br	
James Freend	E.P. AJ.	KT	

## Keep Industrial Herring Vessels Offshore and Protect the Ecosystem $egm m_{\mathcal{L}}$

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NAME (Please print)	CITY	STATE	EMAIL
KLA-HX	WARRAGANSIETT	RI	RSILVIA @ PECRI. COM
Cameron Chadronet	Janestanh	RI	Caneronch 321 @ outbook. com
Tom, Chadvand	Jamestown	RF	tomchade hotmail a com
Dec MARASCOS	MORE UT//ec	ht	MAXGORD CIMILLE
and Busticell	Charlestonin	RI	Pshigfishe Gmail CON
Rick Husbard	Carolina	R.I	
Duwn Hubbard	Carolina	R.F.	
Leven promo	Triveston	RI	
Greg St. Curra	Bristol, BI	RI	
Awa hone	Tiverton	RĪ	
Brett Malloy	Cumberland	RI	Malloy. Wildlife@ gnwi. can
Justin Scanlon 1	SCITVATE	RI	Jscinlon 67 Dyahoa. con
Mareal Boston	westpirt	MA	boumar @msn.com
Both Speelth	LINCAN	25	ROGENTGYOL BGMAIL.COM
Kon n Gault	LINCOLA	RI	Ringoulit 1 (D) Ginal, Com
Todd Brino	Souther ngton	eT,	Thomas & BAthing

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NAME (Please print)	CITY	STATE	EMAIL
Kenneth Bager	LINCOLN	RI	
Marcia Peña	Warwick	RI	
Andrey Knowski	Woonsookel	RT	·
Robert Do Costo	Ostewillo	Má.	
Jesse Furtes		ma	
MIKE CURRIS	WESTPORT	MA	
MARKZIONS	South KIUSSTUNN	Rt	-
Thomas Moser	Acton	MA	
Cory Torres	En Providanco	RZ	· ·
Diana Perez	N. Providence	RI	
Richard Raleigh	Warwick	RI	-
Seott Nemen	WANYC	28	
Tony fontes	No Providence	RS	al rontes Or Byrider. Com
Victoria Eddings	Coventry	RI	
Curtis Eddings J	( overthy	RI	

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NAME (Please print)	CITY	STATE	EMAIL
Rob Michaud	Tiverton	RF	Rmmichard@Marl.com
BOB MINEN	WAMMEN	MT	
ICYL Miner	Warren	K.I	
Mike Warner	HopeValley	RT	
Chris Mace	Buston	MA	CMace 917 @ zmail.com
STEVEN WEST	COVENTRY	RŦ	5
Luke Sullivan	Boston	MA	
Jossica Regalado	Baston,	MA	
Bryan Jan	Barringtun	RI	
Towny Thompson	Hose Valley	RT	
Shaan Thempson	Johnston	RI	· ·
for the	Rosen Cill	RZ	
parth	Fall RINNER	MA	
LAWKENCE I HOMPSON	HOPEV ALLEY	RI	
Jonainyn Donnor	PILMAJU	MA	SulFRods@Kloud. Ner

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NAME (Please print)	CITY	STATE	EMAIL
Dogard, lena	charles Jun	NF.	
Nick DAless to	Dermonth	MA'	
TONY DALESSANDING	Busiloin	mix	tolal 3@ AUL
Ale Krain	Dartmouth	MA.	
N: ch Sevin	Barrinyon	BI	
J. Duclos	SWANSEA, MA		Duclos JEFFO Hormail. com
WILL RESSE	WARISHAM AR	MA	WBESSE I @ COMCAST. NET
JAN DARUCA	STAM, OT	OT.	· · · · · · · · · · · · · · · · · · ·
Donna Darula	STAM, CT.	ĊT.	
Nicholas Aquino	Stratford, CT	CT	
Tessica Darula	Stanferd (t.	Ati	
Mike Buistenillet	STAMFORD OT	T	
TOHNTROHAND	BRISTOZ	RE	
Antomio R. Narane	Revere	MASS	Muy Horie De Quid an
Breeganfemonelin	Nenpurt for M	p	
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NAME (Please print)	CITY	STATE	EMAIL
BEN BOONE	MILFORN	MA	benboone 2010 equail. com
Dave GARZOLI	Plainville	MA	dgarzoliehotmoil.com
RANDY Finden	Bethel	CT	
-Dr. John Labe	W. Barnstulle	Ma	bluck-buck 2 @ com cost . viet
MICHARL KELLRY	MARSTONS MILLS	MA	MKELLEY @ EAGLESTRATEGIES. LOM
TIOM & MANGIAMANT	BARNINGTON	RF	How tingingia cattichast
pen jollin	Shin/ey	MA	
Gene Kelly	Ab soften	мÂ	CKelly 2007 C GMAIL. Com
Gerne Kelly THOMAS CONNORS	HVANH 15	MA	COMORSCERE MERIZONINIST
Doug Foller	Lollow	MESS	
BRIAN OCMOR	Glorester)	Mars	Brionnicomail
Dona le Charpeor	OldSaybrook	ĊŢ	timet 1
Buch ? Shundo	DERPRIVEN	CT	
Robert Siros	Plymouth	mA	Global Anin
TimoThy Williams	Riverside	RI	7100

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NAME (Please print)	CITY	STATE	EMAIL
HARley F. Benton	WARWich	R.J.	
JIM GRADY	WARWICK	RT.	
Joseph Blecz'inski	Narragansett	RI	
Kot LAFVANCE	DONNIS	MA	
RICK Scimerde	N. Arov-RI		
Antonio Ofevera	Johnston IRA.	RF	
Aller Alan Mai	CMAN STOC	NZ	
Ben Pretrusche	Rumperd	RI	
RICK LEMA	Navragausett	RI.	
Broch agont.	President	REF	
Aller M. Serr	Contenter	CT	
Internet of	No. Attleboro	ma	
13 Jusep	Statford Spics	T	
Kurt Rivard	Warren	RZ	·
Matthew weckfucher	Duxbury	MA	

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NAME (Please print)	CITY	STATE	EMAIL
Richard T Fay Jr	Pawtucket	RI	
ERIC J Schenck	prutucke-1	RI	E JS1142 @ G-Mail
Susan L O'Leary	Rutland	MA	soleary-1 acharter net
JAMES REGAN	Rumford	RI	JR Frish 57 Cyphon. Com
Michael Jerim	Warwich	R.T.	ANTIREDSOX @ Valos, cm
BERNARD BAUNA	CRANSTON	R.I.	
Brian Contry	Baston	Inf	Bryno 78 Ocmilican
Autony De Ciano	Springfield M	NA	
Jen Clark	Marian	MA	
Party Lovely	East greenwich	RI	plovely 10 verzen, net
Heyvan MA!	East Greenwich	RI	maheyuan 14 @ gmail.com
JEFF ROSE	NORTUN	MA	JROSE 6184@YAHOO, COM
David Souza	Riverside	AZ	
STEVEN JACO, N	POUTUCKET	RI	SJMJ1211QVaHOO.COM
Brooken progen	PAW tucket	RE	

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NAME (Please print)	CITY	STATE	EMAIL
Hephein Stasiule	Middletown	RI	Stational Contradi Con
- Alan Linsky	Johnston	RI	ALSK 13440 VERIZON.COM
Marcellus Sharpl	Prov.	RI	
Ker McCluskey	Aufleboro	Ma	
liker BELANGER	WAKEField	RI	
None Loma	chorles Tomp	Verty	
(Flan,	Johntson	RZ	
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NAME (Please print)	CITY	STATE	EMAIL
JON NOBLET	NARAA GANSETT	RI	JONNOBLET Q COX.NET
B:11 (05ta	Somens J	MA	vivbilleconcast. Net
WILLL HARDEN	BARNSTABLE	MA	william. harden Qyahoo. com
TOM POIVEN	Riverside	RE	TPOJ3901 & Tahow, Com
ROBERT LAFERTE	WOOUSGCHIET	RÍ	
Matt J Gendron	Seekonk	Ma	Mata6389@Yahow
MH E Gendron	Seekonk	Ma	Mutthew EdS Byce hoo
MaryAnn Gendron	Seekonk	Ma	Mayann gen & pahou
Stepp Ramsay	BrigtoL	RI	Kim 72 Sean @ Fullchannel .net
MAT 12	Nernon	CA	5 Willow stream 6606
Rim Balul	FALL RIVER	· NIA	
Sen menard	SOMERSET	MIT	
JON Koslewski	LANCASTER	MA	
Steve Miller	Ayburn	MA	Steve 985 aradoo, com
Robert C. Hall	North Folmenth	MA	bobholl 1943 (3) concret not
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NAME (Please print)	CITY	STATE	EMAIL
PNYLLIS LA FERTE	. WOONSOCKET	RI	
Rol HAWKSley	REHOBOTH	MA	Rot. HAWKSlet @ +AHOO. COM.
Joe Spencen	Wrendhan	Mg.	<u> </u>
Rill Hussey	mpole	me	
DAVIDROVENCHER	Ash ford. CT.	ST	
FRANK NAUMIEL	MANCHESTER CT	Ct	
MILE MENARD	TIVERTON	RI	
Bob Keeks	EXEVER	RE	
Aller Courchess	Verela	MA	
GERRY FittLALAD	WAREHAM	mto	
ALAN CORDIS	Falmonth	MA	· · · · · · · · · · · · · · · · · · ·
(HAIS CARISON	CLINTON	CT	
Glenn Dolbsick	Branford	ct	
ÉVERETT LACERDA	MIDDLEBOIZO B	MA	
JOHN DORCHESTER	PAYMETON	MA	Sand 2 Skipa smail

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NAME (Please print)	CITY	STATE	EMAIL
LARAY EIDSVARG	KINGSTON	MA	LARRIMASS] @JAhoo Com
Bin BLACKWEH	RLYMOWTH MA	MA	reelmently tish of gmail corre
Rob Torrug/in	Wrenthing MA	MA	
Eugene Cyr	Jewett City	C+.	GCYR@ATT.NET
Mutt Home	N. Providora	RI	YULMUNIONDE YMNil.com
Muchael Haynie	Griswold	ĊT	michzell 3 2 mywzy. com
Adam Reynddz	Tiverten	RI	+rancebonez Gadicon
TOM KAGER	MIDDLETOWN	RI	tm Kagr47@icLouD.com
STEVE WINTERS	Block ISLAND	RI	SWINTERS 41039 (24/00, com
Paul Rule	Manchester N.H.	•	
CAPT ROBBIE BRIGGS	DENINISPORT MA	MA	captrobbie 1 @ COMCAST. ALET
CAPT. Rich Flunnert	Bridgewater MM	MN	V flannary BMavitimereda
Toglel Siegel	Convey MA	MA	SJDJZM@Comeastiney
FRORGE CHRISTMAN JR	Fremount ma	MD	XMANGE @ AUL. COM
Paul MURIARTY	Lakeville Ma	Mg	pfmfz1agmail.com
¥	<b>*</b>		

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NAME (Please print)	CITY	STATE	EMAIL
Alan & Phanevt	Auburn	MA	•
BARKY W. Knight	WARWICK RT.	RF	
Thomas hours	ATTLeber MA	A	
Paul (urtis	Wilbraham	MA	
Jylin Narros,	Dichton	Ma	
Manne Knibtt	Scotland	Ct-	
TREY POWEll	ScorLAND	CT	
Steve Steinar	Fosich	KI	
Debbie Varrieur	Scitucte RJ	RI	
GAA Cary It-TILETT	COANAI CF	CT	
Jim Kohlar	Collinsville,	Ct.	
SOF BRAZAUSKAS SR	Shrawsburg	MA	
Roger Whitten	Marston, mills	mA	
Rober D. Come	milleloro.	mA.	
11 Bustace	POCASSO	ma	

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NAME (Please print)	CITY	STATE	EMAIL
Thomas HICKEY	RAUNDAM	MA	nta
JOHN STASINK	NONTHFORS	CT	
Rob Piusey K	Walligful	СТ	NrA
WATHE SERVERUN	DENNIC	MA	
Theodore Richard	Norwich	ct	tedricherd 20030 yaboo, Com.
RICHL LEUKSQUR	PIBMBROKK	NH	BRUSKIMEDNOC
Tom Kutchen	N. Kingstown	NH RE	Hertcher @ Save buy org
Joseph R. Crowley	alesterly	RI	JoEmera 70 Verizion. Kum
BRYAN ACHEE	N KINGSTOWN	RI	BACHNEEL CYATOG. Com
CHRISTIAN, KLAUCKES	AUBURN	MA	
Jame T. Brady	Attleburg	MA	jtbrady@concustinct Webmusting Paul Schwalbe 2013@lice Con
Paul Schwalbe	Charlton	MA	Paul Schwalbe 2013@live Con
Rich GAUGHAM	Actons	mA	
Anthony Cherry	Providence	RI	a'scherry@mayferthgroup.com
Malles & Balan	Fall River	Ma	

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NAME (Please print)	CITY	STATE	EMAIL
James CoFF.N	FAiRhaven	MA	
Steve Carlson	RIVEFSIDE	125	
Edual Aprilan	N. U. ngatana	RI	
PAUL Housen	WAREFIELD	RI	
Bob Cook	Belienin	MA	COD/a44() Concast. Net
RON BOULAY	REH.OB OTH	MA	· .
Ned Sen	Millow	MA	ned bean amilton, edu
BRIAN DISMATO	MELROSE	MA	DISANTO. BRIAN 29MAIL. COM
John McDuff	Swonsig	MA.	Fishinrim@84@gmgil.com
Len Albright	Somerville	MA	
James Parisse.	Billerica "	MA	
RIEK BLOCKNEY	MASHpee	MA	billog @ YAHOO gam
MICHAEL JONES	CARVIER	MA	STRIPEDBASSBANDIT & YA400 Con
ROBERT BROWN	PRUTUCKET	RT	
RONALD AUGOT.	MONDERCK	CT	

Dear Chairman Stockwell and the New England Fishery Management Council,

I am a New England resident and a recreational angler and I request that the New England Fishery Management Council take action through Amendment 8 to the Atlantic Herring Fishery Management Plan to keep the largest vessels in the herring fishery offshore. This will help Atlantic herring by limiting industrial fishing in their spawning grounds, protect river herring when they are in our coastal waters in the spring and fall, and allow predators like striped bass and tuna to have food available in the times and places they need it most. I also urge the Council to explicitly account for the needs of predators when setting Atlantic herring catch limits. Please include the following alternatives in Amendment 8:

- Prohibit the use of all midwater trawl gear in a "buffer zone" that extends 50 miles offshore for the entire New England coast, including Southern New England.
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NAME (Please print)	CITY	STATE	EMAIL
BILL Curran	Metrose, MA	MA	Bill Curran 71 @ GMIAIL
Chanse Delavigne	yarmouth	MA	chanse Delavigne @ yahoo.com
Peter R Moseley	North King STOLOW	RT	
Harlan Permiley).	renton MAS	MA	Picmley Heykow, Car
PAULBAKSTRAN	TSERLIN, MA.	MA	BAKSTRAN @ CHARTER. NET
Thomas white	PAWTUCKET RE	RF	MULE.Y @ OUTLOOK . COM
ED TOMLINGON	ExeTer	RF	
PAUL E. Millen	Killingh CT	CT	12AMM
Joch Masley	Deford MA	MA	imasleyoza chaoter, wet
George VIncent	N. Fron	KŦ	Bearge Ugig a Valoo , com
Tom House	WETWARDWICK	RI	+lioude3320@ Asl, com
BAILAY SLAden	Pembroke, MA	MG	whitenuckles 1999 a yahoo. Con
Jonnes McMchur	Sitacter MA	mA	
Gom Davidson,	Sagamare Brach 1874		MUblicefish @ Jahos. co
Norman Bouchard	Marstons Mills Mar		Norm@ csacapecod.com
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NAME (Please print)	CITY	STATE	EMAIL
JOHN SILVA	REHOBOTH	MA.	john-elle amon.com
Bay Villella	No PROV, TE	RL	
Kyle/V-Innese	Gloucester	MA	Annesc 1999 Qaolicom
Roge prision	¿ louresta	MASI	
Dariel Abbitan	MiddleboRo	MA.	DIBBITSON & VERIZON, NET
Attal	charlestown	RF	JRVS SWICH QUOLICOM
Ron Roppyg	TONONO	Ma	
Reco PATRIARA	RIVERSIDE R.T	RI	I FRANCINE J YAHOU, COM.
Andrew South	Thomas CT	CT	Sand 0423 Q yahoo, com
Cepul J Saad	Thankann GT	CT	
En INITIAMS	WARMICK Mit	RI	Boufnut 92/16 Apl. com
mike williams	Warmick MI	NF	Boatrut 22/10001.com
KEN ANDOSCIA	N. KingsTown, RI	<u>ŘT</u>	KANDOSCIA @ COX. NAT
George VINCENT	A. Prov.	RI	George V 819 2 Yahoo . com
PAULGiran 21 ST	HARWICK RJ	<u> </u>	

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Dear Chairman Stockwell and the New England Fishery Management Council,

- Prohibit the use of all midwater trawl gear in a "buffer zone" that extends 50 miles offshore for the entire New England coast, including Southern New England.
- Implement a "control rule" that accounts for herring's unique role in the ecosystem as a food source for large fish, seabirds, and marine mammals when setting catch limits.
- A range of options for a target biomass and a cutoff that stops directed herring fishing when biomass gets too low.

NAME (Please print)	CITY	STATE	EMAIL
Kepth Gensalves	EAST PROV.	RII	KTGgearp
Paul Bettencourt	Paut	PI	
Robert L. Austin	Somers ct	CT	
Bill Silva	BROCKTON M	Ma	
Collow Buter	Duxbury MA	MA	
Cid lbum	Hampton NH	NU	
Vin Bossi	FALKouth MA		
Tim O'Leany	Hyde Park, Et	NY	
albert P. Ballencourt	Cast hov-	RI	
Revin Better comt	Fart Parydance	RI	
Share Betterant	Fort Par, Jane 120057 WONJAUCE	12I	
MARA MAN	Nushig NU	NH	
for Contomp	NASHUA N.N.	NH. N.H.	
Jeff at	Marchfield	MA	
Min Hill	Abirton	MA	
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NAME (Please print)	CITY	STATE	EMAIL
William Cente	TYN9Sboro MA	10X7	Wconter @ screenprint dow.com
Keisey Morales	Wannick RI	RT	KNMOVALES 900 GMail og M
phichkel & morales J	WANICK RI	ĒI	Sarra
ROBERT FARIA	SWANSCA, MA	MA	rahd skes @ Smail.com
BRINN TETZEALLY	FIEKSICE &F	RI	TREERATLE OTALOS Com
Bill Silas	moodus; Cf	CT	witsilus a Compast, Net
Chantale Duguay	Oar BLuffs, R	MA	TELLY ENOMISH COM
SCOTT DINGLASY	NARR	R.I.	· · · · · · · · · · · · · · · · · · ·
JEFF ZADERECK.	HINSDAIR MA	MA	
JASON KRAWCOXL	SNAN SEA	MA	Striperfur (Dynail.com
Peter Harbon	Siihak RI	RI	phecty anton non
FRADERICE R. SCHWEIDER JR	MUNTINGTON	NY.	SCHNICIDLICY20 HORMAIL . COM
Warne Ru	W, BROOKFIELD	MA	WPEASET @ CHARTER. NET
Joseph allent	Webster	mA,	SRAILARD @ HUTMAZ. Com
R out	Tourton	MA.	

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NAME (Please print)	CITY	STATE	EMAIL
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BILL Pease	Webster	MA	Pease & charter. net
Da Blanchodd	BRd J, usple:	MA	/
Roy Hacon the	Brockting	MA	
Charles Marts	Lokenth	MA	Spipe 321 @ Yahr
Joann Taft	Scituate	MA	biafatpip@ whoo.com
Ednard BRASSARD	Powerture	RI	eprascend, hot mail ch
Man hole P	East Hanpta	CT	
felicia for	MOODUS	CT	
Gran Grock	Fourdure	12	· · · · ·
Som Reinert	Providence	RI	
ROB KUBITSCHEIK	FALMOUTH	MA	
Matt Goldman	North Attleboo	MA	mdg70@Cumcest.net

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NAME (Please print)	CITY	STATE	EMAIL
Jom Madro	LI NY Hauppoug.E	ろく	
PAtrick Counco	COMAM, NY	\	
HilARD FORCALS	Wew Bus Fors	MOS	
Steven TAVARES	New Bodtora	MASS	
MIKE RAP. 24	SWANSEA	MA	RAPDIVER @ COMCAST. NET
Them Dog	Panen	RI	BUDDZEBICZMSN. Com
Chlip Tivey	Barnstable	MA	
Jun Encorplite	N. Kipgstown	RI	
Brian Clairmont	Pittstield	MA	
Joe Hogie	Pitts field	Ma.	
Dane Kielbary	PLAN	re	
Annual J. A.	MARREN R.T.	6-I	PLONNORS LOS STRATEGIC-RS. COM
Joer Abdella	Thompsonet		
dessikakane	Mansfield	MA	
MARK A. Adler	Trucitar	RT	· ·