

NOAA's National Marine Fisheries Service (NMFS)



# FY2014 Scallop Year End

---

**Version:** 1.1

**Date published:** October 20, 2015

**Presented by:** B. Galuardi

## Background & Purpose

The purpose of this request is to provide the Sustainable Fisheries Division (SFD) with the FY2014 year-end catch accounting for the Atlantic sea scallop fishery.

## Information Provided

- 1) Scallop 2014 Fishing Year Allocations

## Analysis Parameters

Parameters agreed upon by SFD & APSD are shown in Table 1.

**Table 1**

Parameter	Definition	Notes
<i>Data Sources</i>	DMIS, cfders, VTR, VPS, AMS	
<i>Dates</i>	March 1 2014 – February 28, 2015	Scallop Fishing Year
<i>Species</i>	Atlantic Sea Scallop	

## Methods

To complete the final landings summary for FY 2014, several steps were involved. First, a frozen version of DMIS was generated from which to draw landing totals by category (frozen 9/16/15). Logic from monitoring scripts for Northern Gulf of Maine, Observer Set-Aside and Research Set-Aside pounds were taken directly from weekly and monthly monitoring scripts.

Limited Access (LA), Limited Access General Category (LAGC) and LAGC Combination (COMBO) landings were parsed from the frozen table by both activity code and/or the presence of active permits at any time during the FY2014 fishing season. COMBO vessels were flagged according to Ted Hawes' records.

Significant efforts were made to designate state landings accurately and to reduce the amount of unattributed catch as much as possible. Notable changes/improvements from previous reports include:

- Noting all landings with Northern Gulf of Maine declarations, regardless of LAGC permit type (LGC B and LGC A)
- LGC B permitted vessels fishing in state waters on trips that do not cross the VMS demarcation line will not be picked up by AMS. This should be State Water Exemption. These landings were investigated by plotting VTR locations and attributed to State Water landings.
- Landings by vessel that had an active permit any time of year are attributed to that ACL (including Limited Access)

The entire summary was constructed as an R Markdown/RStudio project. R Markdown is a shorthand for collating R code (and SQL in this case) and text to produce reproducible reports. This approach replaced the dozen or so individual SQL files used in previous years reports and

will facilitate faster turnaround in the future. Individual segments (chunks) may be run at any time without overwriting database tables.

## Results

Analysis results are shown in Tables 1-6 below and in Excel file Scallop\_Final\_FY14\_tables.xlsx which is archived at:

[H:\Resource\\_Conservation\\_Projects\FY15\\_projects\Requests\BG\\_FINAL\\_CATCH\\_FY14\Scallop\\_Final\\_FY14\\_tables.xlsx](H:\Resource_Conservation_Projects\FY15_projects\Requests\BG_FINAL_CATCH_FY14\Scallop_Final_FY14_tables.xlsx)

Table 2: Summarizes results in a format provided by SFD. Percent of category landed was added.

Table 3: Breakdown of the Observer Set-Aside pounds by fishery

Table 4: Breakdown of State Landings by source/category

Table 5: Breakdown of Unattributed landings

Table 6: Carryover totals and incidental (Permit type C) landings

**Table 2: Scallop FY2014 Year-end Summary re-attributed using scallop permit category**

Row	Allocations	Allocated Landings (lbs)	Actual Landings (lbs)	Difference (lbs; Allocated minus Landings)	% caught	Notes
1	Overfishing Limit (OFL)	67,062,427	<b>32,399,535</b>	34,662,892	48%	Row 2+Row 3 + 160,000 lbs for state waters landings
2	Northern Gulf of Maine TAC	70,000	<b>58,438</b>	11,562	83%	Northern Gulf of Maine declared trips
3	Acceptable Biological Catch (ABC), ACL	45,816,475	<b>32,181,097</b>	13,635,378	70%	Row 4+5+6+7
4	Incidental Target Total Allowable Catch (TAC)	50,000	<b>42,107</b>	7,893	84%	LAGC Category C permit landings (Table 5 Row 3)
5	Research Set-Aside (RSA) TAC	1,250,000	<b>954,011</b>	295,989	76%	Landings on trips with RSA VMS declaration
6	Observer Set-Aside (OBS) TAC	458,562	<b>390,579</b>	67,983	85%	Table 2 total (Row 4)
7	Scallop Fishery ACL	44,057,450	<b>30,794,400</b>	13,263,050	70%	Rows 8+9+10+11
8	Limited Access sub-ACL (94.5% of ACL)	41,634,305	<b>28,544,694</b>	13,089,611	69%	LA total - OSA for LA (Table 2 row 1+3)
9	LAGC IFQ sub-ACL/ACT (5% of ACL)	2,202,859	<b>1,894,232</b>	308,627	86%	Allocation + 2013 carryover - landings
9a	Carryover Total for LAGC IFQ Fleet (FY 2012 to FY 2013)	NA	<b>(209,897)</b>			Sum of all IFQ Only vessels' FY 2013 carryover lbs (Table 5 row 1)
10	Limited Access Vessels with IFQ sub-ACL/ACT (0.5% of ACL)	220,286	<b>195,357</b>	24,929	89%	Allocation + 2013 carryover - landings
10a	Carryover Total for LAGC IFQ/LA Fleet (IFQ lb only)	NA	<b>(16,728)</b>			Sum of all IFQ/LA vessels' FY 2013 IFQ carryover lbs (Table 5 row 2)
11	Unattributed catch	NA	<b>160,117</b>			Table 4 total (Row 4)
12	State Waters Landings	160,000	<b>622,745</b>	(462,745)	389%	Table 3 total (Row 4)

**Table 3: Observer Set-Aside**

Row	Type	Scallop Meats	Notes
1	Days-At-Sea pounds	258,129	DAS*2550
2	LAGC	36,000	
3	Limited Access	96,450	Observed in Access Areas
4	Total	390,579	

**Table 4: State Landings**

Row	Type	Scallop Meats
1	No Federal Permit	304,682
2	Federal Permit in State waters	289,710
3	LGC_B in State Waters (not included in row 2)	28,353
4	Total	622,745

**Table 5: Unattributed Landings**

Row	Type	Scallop Meats
1	NO active permit any time, WITH VMS	2,918
2	NO active permit any time, NO VMS	152,256
3	Other unattributed	4,943
4	total	160,117

**Table 6: Miscellaneous**

Row	Type	Scallop Meats
1	Carryover (LAGC Only)	(209,897)
2	Carryover (LAGC COMBO)	(16,728)
3	Incidental (LAGC C)	42,107

# Analysis Accuracy Check

By: John B. Sullivan

## Query Programing

Frozen table used: FSO.DMIS\_B\_FY14\_F\_091615

R Markdown file archived at:

[H:\Resource\\_Conservation\\_Projects\FY15\\_projects\Requests\BG\\_FINAL\\_CATCH\\_FY14\BG\\_FINAL\\_CATCH\\_FY14\make\\_final\\_catch\\_table.RMD](H:\Resource_Conservation_Projects\FY15_projects\Requests\BG_FINAL_CATCH_FY14\BG_FINAL_CATCH_FY14\make_final_catch_table.RMD)