Northeast Fisheries Science Center Reference Document 11-09

Standardized Bycatch Reporting Methodology 3-year Review Report -- 2011 Part 1

by SE Wigley, J. Blaylock, PJ Rago, J Tang, HL Haas, and G Shield

April 2011

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EXECUTIVE SUMMARY

The Standardized Bycatch Reporting Methodology (SBRM) Omnibus Amendment to the fishery management plans of the Northeast region was implemented in February 2008 to address the requirements of the Magnuson-Stevens Fishery Conservation and Management Act to include standardized bycatch reporting methodology in all FMPs of the New England Fishery Management Council and Mid-Atlantic Fishery Management Council. This report is a comprehensive 3-year summary of the discard and landings data that have supported the allocation of at-sea observers in the Northeast since April 2009. The SBRM uses the previous year's information on the precision of estimated discard totals to define sampling targets for an upcoming year.

The SBRM can be viewed as the combination of sampling design, data collection procedures and analyses used to estimate bycatch and allocate observer coverage in multiple fisheries. The SBRM provides a structured approach for evaluating the efficacy of the allocation of observer coverage (sea days) to multiple fisheries (52 fleets) to monitor a large number of species (15 SBRM species groups) under the 13 different fishery management plans, the Marine Mammal Protection Act, and the Endangered Species Act. The **SBRM is not intended to be the definitive document on the estimation methods nor is it a compendium of discard rates and total discards (**Wigley et al. 2007**).** Instead, the SBRM is intended to support the application of multiple bycatch estimation methods that can be used in specific stock assessments. The SBRM provides a general structure for defining fisheries into homogeneous groups and allocating observer coverage based on prior information and the expected improvement in overall performance of the program. The general structure helps identify gaps in existing coverage, similarities among groups that allow for realistic imputation, and the tradeoffs associated with coverage levels for different species. The SBRM allows for continuous improvement in allocation as new information on the results of the previous year's data is obtained.

The SBRM Omnibus Amendment requires annual consultations with the Councils and public to summarize observed discard rates in the preceding year and more importantly to review and refine plans for monitoring commercial fishing fleets in the upcoming year. This annual cycle is synchronized with the availability of previous years' data (July to June), time to acquire and audit data (July-September), sufficient time to conduct the statistical analyses (October-December), annual Council meetings (January-April), and the normal federal budget and contracting cycle.

The SBRM also requires a more comprehensive 3-year report that has two basic requirements: (1) annual estimates of discard totals and (2) a review of the overall efficacy of the sampling design. This report summarizes part one of that 3-year requirement and reviews the annual information presented in SBRM reports for years 2009, 2010, and 2011 with regard to the recent levels of observer coverage and observed encounters with species. This report also presents estimates of total discards and their associated precision for SBRM species groups and the individual species comprising these groups, by fleet and SBRM year.

The Northeast Fisheries Observer Program (NEFOP) and Vessel Trip Reports (VTR) databases are used to define the size of the sample and the size of the strata, respectively. The NEFOP and VTR data summarized in this report include data collected from July 2007 through June 2010.

The annual number of NEFOP trips and sea days and the annual number of VTR trips and sea days are summarized by fleet and SBRM year. The percent coverage of trips, summed over all fleets, ranged between 2% and 3.5%; percent coverage for sea days ranged between

4.4% and 6.1%. Finer scale coverage rates vary among fleet and SBRM year. The highest coverage (>50% in terms of trips) occurred in the Industry-funded scallop dredge access area fleets. The majority of fleets have less than 10% coverage of trips, sea days, or landings. It should be noted that percent coverage is only one measure for monitoring adequacy, and that precision of the discard estimates is the specified metric for monitoring adequacy within SBRM.

For all NEFOP trips, observed catch quantities (kept and/or discarded) were summed for each species/species group and SBRM year and for each species/species group, fleet, and SBRM year. The NEFOP has recorded 311 unique species by weight and 42 species by numbers over the 3-year period from July 2007 to June 2010. The SBRM species groups represent approximately 90% of the total weight of all species recorded by NEFOP observers. The percentage of trips that encountered a species group/species by fleet and SBRM year are summarized. In general, the percentage of trips encountering a species group/species varied across region and fleet; however, the percentages across SBRM years were similar and indicate persistent fleet/species group interactions. The skate complex, large-mesh groundfish, and monkfish were the three most frequently encountered species groups on NEFOP trips. Sea turtles were recorded in 10 fleets during the July 2007 through June 2010 period. The majority of encounters were reported in MA fleets, and the majority of encounters were loggerhead turtles.

To estimate total annual discards and precision, a combined d/k ratio estimator was used where d = discard pounds of a given species and k = kept pounds of all species. The VTR landings of all species combined, corresponding to each fleet and SBRM year were used to expand the discard rate to estimate total discard weight of each SBRM species/species group, fleet and SBRM year.

Based on these analyses, spiny dogfish and the skate complex had the highest (greater than 60%) percentage of discards of the 14 SBRM species groups. In SBRM 2010, red crab also experienced high discards (exceeded 60%) when both New England (NE) and Mid-Atlantic (MA) red crab pot fleets were observed. In SBRM 2009, only the MA red crab pot fleet was observed and in SBRM 2011 neither the MA nor NE red crab pot fleets were observed. Due to regulations prohibiting possession of female red crabs, discarding is expected to be higher in these directed red crab pot fleets than for other SBRM species and other fleets without such regulations. Red crab discards did occur in other fleets, most notably in the NE large-mesh otter trawl. The majority of SBRM species groups had discard percentages that were less than 25%. For several individual species, such as yellowtail flounder and halibut, the percentages of discards were high (greater than 37%) due to regulatory reasons (trip limits), while for other individual species, such as ocean pout, windowpane flounder, and red hake, the percentage of discards were high (generally greater than 50%) due to no or low market demand coupled with regulatory reasons (no possession) in fishing year 2010. The percentage of butterfish discards was high (greater than 70%) in the MA and NE small-mesh otter trawl fleets in SBRM 2010 and SBRM 2011.

With regard to precision of the discard estimates, many of the species groups/species in the scallop Industry-funded fleets have coefficients of variation (CVs) below 30%. The numbers of observer sea days in the scallop fleets are based on the total fraction of landed value allocated to discard monitoring and the daily compensation rate. The compensation rate is designed to avoid biases that might arise if vessels avoided observers at low compensation rates and vice versa at high compensation rates. Realized coverage rates generally exceed the SBRM standard sea days. Additionally, most of the species group/species in the NE large-mesh otter trawl have precision estimates below 30% CV due to the increased monitoring of NE groundfish fleets as

part of the coverage for special access programs and, more recently, for Amendment 16 to the Northeast Multispecies fishery management plan. Conversely, many of the species groups/species in MA and NE small-mesh otter trawl fleets have precision estimates at or above the SBRM standard of 30% CV due to constraints of available funds that prevent sea days from being allocated to these fleets. None of the precision estimates for the sea turtle species group in the 3 SBRM years were less than 30% CV.

The annual SBRM sea day analyses were conducted to estimate the number of baseline trips and sea days needed to monitor the 15 species groups in each fleet for each SBRM year. The number of trips and sea days needed to achieve a given precision level was based on the variance of the total discard estimate for a species group. The use of an importance filter is a key feature to the SBRM in that it focuses the sampling to fleets where it is needed most and is not wasted on small imprecisely estimated discards. The SBRM sea day standard (numbers of sea days needed to achieve a 30% CV for all SBRM species groups within a fleet) and the prioritized funded sea days by fleet and SBRM year are presented. In each of the 3 years, the sum of the SBRM standard sea days exceeded the total funding for sea days. The shortfall in funding invoked the SBRM consultation and prioritization process which resulted in prioritized sea days.

This report highlights the comprehensive data collection program of the NEFOP and that SBRM covers the majority of species encountered by commercial fleets as well as the discarded weight associated with these species. When prioritizing fleets, low encounters and low magnitude of discards of important/critical species can be considered. The precision (CV) of the discard estimates for SBRM species groups and the individual species that were considered important varied by species groups/species, fleet, and SBRM year. For the 14 SBRM species groups in the 3 SBRM years, 89 of the 128 precision estimates (70%) were less than or equal to 30% CV.

The annual SBRM reporting process provides a process and a structure to summarize the Northeast region's at-sea monitoring program, describes the methodology used in the estimation of discards, and specifies the deployment of observers to achieve observer coverage that will yield discard estimates with the desired level of precision through a transparent process that include consideration of Councils' priorities and public comment.

The Standardized Bycatch Reporting Methodology represents one of the most comprehensive programs for planning and executing observer monitoring coverage of federally managed fisheries. The first 3 years of the program, summarized in this report, illustrate the utility of the approach for monitoring discards in these fisheries and the real-world limitations of implementing an ideal system. Variations in the overall magnitude of funding, constraints on the uses of funding, and competing objectives among fishery management plans are some of the factors that impede attainment of the overall target level of precision.

LIST OF ACRONYMS AND ABBREVIATIONS

ACE = annual catch entitlements
CV = coefficient of variation
d/k = discard/kept
FMP = fishery management plan
MA = Mid-Atlantic
MAFMC = Mid-Atlantic Fishery Management Council
MRIP = Marine Recreational Information Program
MRFSS = Marine Recreational Fisheries Statistical Survey
NE = New England
NEFMC = New England Fishery Management Council
NEFOP = Northeast Fisheries Observer Program
NEFSC = Northeast Fisheries Science Center
NERO = (NMFS) Northeast Regional Office
NMFS = National Marine Fisheries Service
NRCC = Northeast Regional Coordinating Council
SBRM = Standardized Bycatch Reporting Methodology
SE = standard error
TAC = total allowable catch
VTR = Vessel Trip Report

BACKGROUND

SBRM Omnibus Amendment

The Standardized Bycatch Reporting Methodology (SBRM) Omnibus Amendment to the fishery management plans (FMPs) of the Northeast Region (NEFMC 2007; NMFS 2008) was implemented in February 2008 to address the requirements of the Magnuson-Stevens Fishery Conservation and Management Act to include standardized bycatch reporting methodology in all FMPs of the New England Fishery Management Council (NEFMC) and Mid-Atlantic Fishery Management Council (MAFMC).

The SBRM can be viewed as the combination of sampling design, data collection procedures and analyses used to estimate bycatch and allocate observer coverage in multiple fisheries. The SBRM provides a structured approach for evaluating the efficacy of the allocation of observer coverage (sea days) to multiple fisheries to monitor a large number of species under the 13 different fishery management plans, the Marine Mammal Protection Act, and the Endangered Species Act. The **SBRM is not intended to be the definitive document on the estimation methods nor is it a compendium of discard rates and total discards (**Wigley et al. 2007)**.** Instead, the SBRM is intended to support the application of multiple bycatch estimation methods that can be used in specific stock assessments. The SBRM provides a general structure for defining fisheries into homogeneous groups and allocating observer coverage based on prior information and the expected improvement in overall performance of the program. The general structure helps identify gaps in existing coverage, similarities among groups that allow for realistic imputation, and the tradeoffs associated with coverage levels for different species. The SBRM allows for continuous improvement in allocation as new information on the results of the previous year's data are obtained.

The SBRM requires annual consultations with the Councils and public to summarize observed discard rates in the preceding year and more importantly to review and refine plans for monitoring commercial fishing fleets in the upcoming year. As part of this review the Northeast Fisheries Science Center (NEFSC) and Northeast Regional Office (NERO) prepare a large data summary report and deliver an initial report on proposed observer coverage rates. These reports, delivered at the first Council meetings in the calendar year, are followed by a comment period, and a revised observer allocation plan. A revised observer coverage plan is delivered to the Northeast Regional Coordinating Committee (NRCC) at their spring meetings. This annual cycle is synchronized with the availability of data, the annual Council meetings, and the normal federal budget and contracting cycle.

The SBRM also requires a more comprehensive 3-year report that has two basic requirements: (1) annual estimates of discard totals, and (2) a review of the overall efficacy of the sampling design (a full description 3-year report is given below). This report summarizes part one of that 3-year requirement. The second task will be completed in early fall of 2011.

Review of Annual SBRM Reporting Process

To utilize the most recent available data, the annual SBRM analyses use data collected during a 12-month period from July through June. Generally, Northeast Fisheries Observer Program (NEFOP) data are audited and available for analysis 90 days after collection; hence these data are ready to be analyzed beginning in October. During October to January, annual analyses are performed; these include: (1) summarizing the NEFOP data for the Annual Discard Report, (2) updating the sea day analysis to derive SBRM standard sea days (the sea days needed

to achieve a 30% coefficient of variation, CV, and (3) prioritizing sea days based on a preliminary budget. The Annual Discard Report and the Sea Day Analysis and Prioritization document are posted on-line[1] and presented to the Councils. A comment period follows. The NEFOP budget is generally known by March and a finalized sea day schedule that considers Council comments is developed for a 12-month period ranging from April through March. A document summarizing the comments, the final funded sea days, and the re-prioritized sea days is prepared concurrently with the NEFOP sea day schedule in April/May and is presented to the NRCC. Annual SBRM reports have been completed for 2009, 2010, and 2011. A summary of the annual reporting cycle is given below.

Annual SBRM Reporting Cycle	SBRM 2009	SBRM 2010	SBRM 2011
Data Used (12-month period)	Jul 2007 - Jun 2008	Jul 2008 - Jun 2009	Jul 2009 - Jun 2010
Data Analysis and Document Preparation	Oct 2008 - Jan 2009	Oct 2009 - Jan 2010	Nov 2010 - Jan 2011
Annual Report, Sea Day Analysis, and Prioritization documents available; Presentation to NEFMC and MAFMC; Prioritization Comment Period; Final Budget received, Consideration of Comments, Re-prioritization	Jan 2009 – Mar 2009	Jan 2010 – Mar 2010	Jan 2011 – Mar 2011
Response to Comments and Re-prioritization document to NRCC	Apr 2009	May 2010	Apr 2011
NEFOP Sea Day Schedule (12 month period)	Apr 2009 - Mar 2010	Apr 2010 - Mar 2011	Apr 2011 - Mar 2012

The SBRM annual information is documented in the following reports:

- SBRM Annual Discard Reports for 2009, 2010, and 2011 (NEFSC 2011a, NEFSC 2011b, NEFSC 2011c, respectively);
- SBRM Sea Day Analysis and Prioritization for 2009, 2010, and 2011 (NEFSC 2009, NEFSC 2010, and NEFSC and NERO 2011, respectively);
- Council comments, response to the Council comments, and re-prioritized sea days are also documented.

The SBRM annual documents are available on-line at:
http://www.nefsc.noaa.gov/femad/fsb/SBRM/SBRM_Annual_Discard_Reports.htm

[1] In 2009, the first year of SBRM, the sea day analysis was conducted but not formally documented. The SBRM 2009 prioritization document was distributed to the Councils, but not posted on-line until March 2011. The number of trips and sea days used in the SBRM 2009 sea day analysis and the number of sea days needed to achieve a 30%CV for each species group and fleet for SBRM 2009 are given in the Appendix Tables 1 through 3.

Summary statistics from the annual SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011(July 2009 through June 2010) documents are given in the table below.

Summary Statistics	SBRM 2009	SBRM 2010	SBRM 2011
Number of Fleets	44	51	52
Fleets with Pilot[2] coverage	24	28	30
Baseline Sea Days	54,631	51,252	52,651
SBRM Standard Sea Days	15,125	14,147	19,507
Funded Sea Days	6,161	14,375	13,904
Sea Day Shortfall	-7,746	*	-5,603
Final Funded Sea Days	6,283	13,950	14,004
Number of Fleets with Sea Days	17	30	32

** Sea day shortfall existed in some fleets due to funding constraints*.

Changes between SBRM 2009, 2010, 2011 Annual Reports

During the 3 SBRM years, the following changes have occurred regarding the SBRM annual reports and analysis:

- Atlantic wolffish was added to the large-mesh groundfish species group beginning with SBRM 2010 to reflect the inclusion of this species in the Northeast Multispecies FMP during the implementation of Amendment 16 in May 2010.

- In SBRM 2009, training trips were not included; however, beginning with SBRM 2010, training trip data were included. NEFOP clarified that the quality of training trip data was the same as non-training trips, thus these data can be combined with non-training trips.

- The sea turtle importance filters[3] (unlikely filter, total discard filter, and the total mortality due to discards filter) were changed beginning with SBRM 2010. The sea turtle unlikely filters were updated based upon a review of the NEFOP data (H. Haas, pers. comm.), and the total discard and total mortality due to discard filters, which were not utilized for sea turtles in 2009, were utilized beginning with SBRM 2010. The application of the importance filters is now similar for both sea turtles and fish/invertebrates.

[2] Pilot coverage is defined as a minimum level of coverage to acquire bycatch information with which to calculate variance estimates that in turn can be used to further define the level of sampling needed; pilot coverage is further described in the Methods section of this report.

[3] Importance filters were used to provide a standardized protocol to further refine the number of baseline sea days and are briefly described in the Methods section of this report.

- Each year industry activity is reviewed and, as needed, new fleets are added into SBRM. Beginning with SBRM 2010, several fleets were added to SBRM 2009 fleets. Additional fleets include: Mid-Atlantic and New England beam trawl, New England Ruhle trawl, New England Haddock Separator trawl, New England shrimp pot, Mid-Atlantic Access Area General and Limited scallop trawl, Mid-Atlantic and New England floating trap, and Mid-Atlantic other dredge. There are "minor" fleets that are not considered in SBRM and are comprised of trips using the following gear types: harpoon, cast nets, diving, weir, rakes, mussel dredge, urchin dredges, and other various gears. The landings from these fleets, in aggregate, are a minor component of total landings.

- Monitoring requirements in the nine Industry-funded fleets are explicitly included in the sea day analysis and prioritization beginning with SBRM 2010. The nine Industry-funded fleets include the New England and Mid-Atlantic scallop dredge and scallop trawl general and limited category access area fleets. The sea scallop resource set-aside program and the compensation rate analysis used in the annual SBRM analyses are described in letters[4] from the Regional Administrator to vessel owners. In 2009, these nine fleets were handled externally to the SBRM process.

- Each year there are some fleets for which confidentiality rules apply. In the SBRM 2009-2011 period, there are two fleets where this applies: Mid-Atlantic and New England Menhaden purse seine fleets. Data from these fleets are included in the observed coverage but excluded from fleet summaries of observed encounters and discard estimation. Data from these fleets have been included in the summaries by species groups.

SBRM 3-year Review Report

The SBRM Omnibus Amendment specifies that a review and evaluation of the Northeast Region's SBRM will be conducted every 3 years. Specifically, the SBRM amendment states:

> *Every 3 years, the Regional Administrator and the Science and Research Director will appoint appropriate staff to work with staff appointed by the Executive Directors of the Councils to obtain and review available data on discards and to prepare a report assessing the effectiveness of the Northeast Region SBRM. This report will include, at a minimum:*
>
> *(1) A review of the recent levels of observer coverage in each applicable fishery;*
> *(2) a review of recent observed encounters with each species in each fishery, and a summary of observed discards by weight;*
> *(3) a review of the CV of the discard information collected for each fishery;*
> *(4) an estimate of the total discards associated with each fishery;*
> *(5) an evaluation of the effectiveness of the SBRM at meeting the performance standard for each fishery;*

[4] Letters to vessel owners are available on-line at: http://www.nero.noaa.gov/nero/nr/nr10.html
http://www.nero.noaa.gov/nero/nr/nrdoc/11/11ScalCompRate2011.pdf (2011 letter)
http://www.nero.noaa.gov/nero/nr/nrdoc/10/10ScalObserveCompRates1.pdf (2010 letter)

(6) a description of the methods used to calculate the reported CVs and to determine observer coverage levels, if those methods are different from those described and evaluated in the SBRM Amendment;

(7) an updated assessment of potential sources of bias in the sampling program and analyses of accuracy; and

(8) an evaluation of the implications for management of the discard information collected under the SBRM, for any cases in which the evaluation performed for item 5 indicates that the performance standard is not met.

(Federal Register, Vol. 73, No. 18, Monday, January 28, 2008, Page 4738)

The Northeast Regional Coordinating Council, whose membership includes the Northeast Regional Administrator, the Northeast Fisheries Science Center's Science and Research Director, and the Executive Directors of the New England Fisheries Management Council and the Mid-Atlantic Fisheries Management Council, decided/agreed during their October 2010 meeting that the 2011 SBRM 3-year Review Report would be partitioned into two parts: Part 1 would contain the first four components (1 through 4 above) and Part 2 would contain the last four components (5 through 8 above). Part 1 would be delivered in the Spring of 2011 and Part 2 would be delivered in the Autumn of 2011. By partitioning the 3-year SBRM Review Report into two parts, the third annual SBRM year (2011) could be fully incorporated into the review without alternating the SBRM annual reporting cycle. This is particularly important for the analytic components (5 through 8 above) of the 3-year SBRM Review Report which require more extensive analysis to complete.

INTRODUCTION

This document represents Part 1 of the 2011 SBRM 3-year Review Report and reviews the annual information presented in SBRM 2009, 2010 and 2011 with regard to the recent levels of observer coverage and observed encounters with species. This report also presents estimates of total discards and their associated precision for SBRM species groups and the individual species comprising these groups, by fleet[5] and SBRM year. These annual discard estimates have not previously been presented.

The four components associated with Part 1 of the 2011 SBRM 3-year Review Report have been grouped into the following three sections:

Observer Coverage: A review of recent levels of observer coverage in each applicable fishery;

Observed Encounters: A review of recent observed encounters with each species in each fishery, and a summary of observed discards by weight;

Discard Estimation and Precision: An estimate of total discards associated with each fishery and a review of the CV of the discard information collected for each fishery.

[5] 'Fleet' is synonymous with the SBRM Omnibus amendment 'fishing mode'.

This review utilizes the stratification and methods described in the initial SBRM analysis (Wigley et al. 2007) and summarizes the data reported in SBRM annual reports for 2009, 2010, and 2011 (NEFSC 2011a, NEFSC 2011b, NEFSC 2011c). These data were collected from July 2007 through June 2010 for 61 fleets and 15 species groups and the individual species that comprise these groups (subsequently referred to as "species/species groups") to encompass all federal FMP-managed species and sea turtles in the Northeast (Table 1).

Row numbers have been assigned to each unique fleet. The data used in each of the three sections of this report will vary, based on the nature/topic of the section, thus the associated fleets examined will vary. The unique fleet row numbers will facilitate cross-referencing between tables.

We use the term "bycatch" synonymously with "discard". In basic terms, bycatch is defined as living organisms that are captured by fishing gear and returned to the water. This is consistent with the definition provide in the Magnuson-Stevens Act where "*the term "bycatch" means fish which are harvested in a fishery, but which are not sold or kept for personal use, and includes economic discards and regulatory discards. Such term does not include fish released alive under a recreational catch and release fishery management program*" (NMFS 2007). We do not define bycatch as the capture and retention of non-target species nor do we account for potential survival of organisms returned to the water. Most importantly, we do not base any of our analyses on the potential mortality associated with unobserved encounters with fishing gear. Our omission of these mortality sources does not confirm or deny their potential importance. Rather it explicitly recognizes that such events cannot be observed even when an observer is present on a given trip. Therefore, when using a design-based estimator, there is no basis for extrapolation of unobserved encounters to unobserved sampling units (i.e., trips).

METHODS

Data Sources

The sampling unit used in these analyses is the trip. Trip characteristics are recorded in both the NEFOP and Fishing Vessel Trip Reports (VTR) data sets. Together, these databases are used to define the size of the sample and the size of the strata, respectively. Data from each source are retrieved and prepared separately before they are combined. Additionally, data from the NEFSC's commercial fisheries database and recreational landings collected through the Marine Recreational Fisheries Statistical Survey (MRFSS; recently renamed the Marine Recreational Information Program, MRIP) have been used in the importance filters to further refine the base sea days derived in the sample size analyses.

Northeast Fisheries Observer Program (NEFOP) Data

The NEFOP is a comprehensive, multi-purpose program that collects a broad range of data on all species that are encountered during a fishing trip, as well as gear characteristics data, economic information and biological samples (Northeast Fisheries Observer Program 2010). The NEFOP employs trained, sea-going observers and monitors to collect these data that also includes weight, by species and disposition (retained and discarded), of the entire catch. Fish/invertebrate species are recorded in pounds while the interactions of incidental take species are recorded in numbers.

Standard sampling protocols, at the trip-level, have been established and are utilized

throughout the various fisheries[6]. For most gear types, observers use a "complete" sampling protocol that includes obtaining species weights for both kept and discarded portions of all species in the catch on every haul. In addition to the "complete" sampling protocol, there is a "limited" sampling protocol that is used on some gillnet trips where specific information for marine mammals is collected. In a "limited" sampling scenario, only kept species weights are obtained (no discard weights) since the observer must watch the gillnet gear during haul-back to observe if marine mammals roll out of the gear before the gear returns to the deck. An observed haul is defined as one where all of the catch is recorded, regardless of disposition. An unobserved haul is defined as one where complete discard information from the haul is not collected.

Due to these two sampling protocols for data collection, two data sets were formed using the NEFOP data: one data set for fish (FISH) that utilized the "complete" sampling protocols and another for turtles, marine mammals, and birds (PSPP) that utilized both the "complete" and "limited" sampling protocols. The NEFOP data summarized in this report includes data collected from July 2007 through June 2010[7].

As described in Wigley et al. (2007), the NEFOP data have been classified into fleets using geographical region, gear type, mesh size, access area, and trip category. Trips are classified into two broad geographical regions, New England (NE) and Mid-Atlantic (MA), based upon the port landed: ports located from Maine to Rhode Island were grouped together to form the NE region and ports located in states from Connecticut southward comprised the MA region. Gear type is based upon Northeast gear codes (*negear*). Some gear codes were combined into a single category (e.g., mid-water paired trawl and mid-water single trawl; mackerel and herring purse seine; drift, anchored and sink gillnet). Mesh size groups were formed for the otter trawl and gillnet gear types. For otter trawl, two mesh groups were formed: small (sm; less than 5.5 inches) and large (lg; 5.5 inches and greater). For gillnet, three mesh groups were formed: small (sm; less than 5.5 inches), large (lg; from 5.5 to 7.99 inches) and extra large (xlg; 8 inches and greater). NEFOP trips were assigned to one of two access area categories[8] based on the NEFOP program code, Open or Access Area (AA). Trips that used either scallop trawl or scallop dredge were further classified into two trip categories: General (GEN) or Limited Access (LIM)[9]; trips using other gear types were assigned a trip category of "all."

[6] On-vessel sampling of large-volume fisheries can be difficult. Subsampling protocols were under development for the purse seine and mid-water pair trawl fisheries during 2004. Sampling protocols have since been established for these large-volume fisheries in 2010; the standardized sampling protocols for all fisheries with observer coverage are given in the Northeast Fisheries Observer Program Manual.

[7] At-sea monitoring (ASM) was implemented May 1, 2010 as part of Amendment 16 of the Northeast Multispecies fisheries management plan. NEFOP at-sea monitors adhere to the same data collection standards as observers; however, monitors conduct limited biological sampling. Information regarding both the observers and the at-sea monitors are available on-line at:
http://www.nefsc.noaa.gov/femad/fsb/Manuals/JANUARY%202010%20MANUALS/ASM_Biosampling_Manual_2010.pdf

[8] Although NEFOP data can be summarized to five access area (including HOOK, B-Day, US/CAN), trips participating in these programs cannot be identified in the VTR database, hence the NEFOP trips were grouped by the other stratification variables and therefore have not partitioned separately for this review.

[9] see http://www.nefmc.org/scallops/index.html for further information on the sea scallop FMP

Stratification abbreviations used.

Abbreviation	Definition
MA	Mid-Atlantic ports (CT and southward)
NE	New England ports (RI and northward)
sm	Small mesh (less than 5.5 inches)
lg	Large mesh (5.5 to 7.99 inches)
xlg	Extra-large mesh (8 inches and greater)
LIM	Limited access category
GEN	General category
OPEN	Non-access area
AA	Access area

Data from "off-watch" hauls, data from aborted trips, and species hail weights with discard reason equal to 039 (previously discarded)[10] were excluded from all summaries. Additionally, eight "set-only" gillnet trips were excluded in SBRM 2011. All non-living matter (including debris consisting of rock, metal, glass, wood, rope, rubber, etc.), previously-living matter (including stomach contents or clappers), and eggs (fish, squid, or mollusk) have been excluded from this review report. Incidental takes that were classified as too decomposed to have been killed by the gear that captured them and seals and large whales that were not seriously injured by the gear have also been removed. Conversion factors were applied to convert any dressed weight data to live weight equivalents. Use of the NEFOP data is described within each of three sections of this report.

Fishing Vessel Trip Report (VTR) Data

The VTR data can be used as a basis for defining the sampling frame, since all federally permitted vessels are required to file a VTR for each fishing trip (see NMFS-NERO http://www.nero.noaa.gov/ro/fso/vtr_inst.pdf). These self-reported data[11] constitute the basis of the fishing activity of the commercial fleets. Because Dealer data do not contain mesh size and area fished information, the Dealer data[12] could not be used to expand discard ratios by fleet for the annual analyses. The VTR data were used as a surrogate for Dealer data and were used to expand the NEFOP discard ratios to total discards. For the SBRM analyses, the commercial VTR trips [excluding NY state (non-federal) vessels] were used. Conversion factors were applied to convert various units of measure to pounds and all weight to live weight. VTR trip data are collapsed into fleets as defined above. Trips participating in the US-Canada access area, B-day category programs and other special access programs could not be identified in the VTR data. These trips have been grouped by the other stratification variables and have not been partitioned

[10] The majority of the pounds reported as "previously discarded" are "Fish, nk" representing skates without wings and/or monkfish without tails.
[11] See Wigley et al. 2007 for more details on self-reported VTR data.
[12] The trip-based allocation of Dealer (CFDETT/SyyyyAA) data are conducted annually and the data were not available when the annual SBRM analyses were conducted.

separately.

We note that the discard estimation in stock assessments relies on the dealer data records that have been prorated by the VTR base allocation using the method of Wigley et al. (2008a). Given that the VTR estimates are usually less than the dealer records for a given fleet, the corresponding estimates of discards will be also be underestimated. The magnitude of the underestimation will vary by fleet and year.

Clam Logbook and Dealer Data Source = "09"

The clam fishery has a separate logbook system from the VTR logbook. The commercial clam logbook data were used to augment the VTR data for the clam dredge fishery.

Observer Coverage (Section 1)

In this section, NEFOP and VTR data sets are utilized. The annual number of NEFOP trips and sea days (for FISH and PSPP data sets) and the annual number of VTR trips and sea days are summarized by fleet and SBRM year. The comprehensive list of unique fleets within the 3 SBRM years can be classified into three groups: (1) fleets with VTR trips and NEFOP trips, (2) fleets with VTR trips but no NEFOP trips, and (3) fleets with NEFOP trips but no VTR trips. Fleets with NEFOP trips without corresponding VTR trips represent fleets without logbook requirements, and represent fleets without a sampling frame.

Observed coverage, in terms of trips, sea days, and landings of all species combined, is derived for each fleet and SBRM year by dividing the annual sum of the values for each metric in the NEFOP data sets (FISH and PSPP) by the annual sum of the values for each metric in the VTR data set. The fleets without VTR coverage are null. Total annual coverage is derived for trips and sea days by summing the values for each metric over all fleets for each SBRM year and then dividing the NEFOP total by the VTR total for each metric.

In some fleets there was little or no NEFOP coverage. As part of the feedback process for improving the sampling design, it is necessary to use imputed values as a basis for allocating coverage or to use pilot coverage. Pilot coverage is defined as a minimum level of coverage to acquire bycatch information with which to calculate variance estimates that in turn can be used to further define the level of sampling needed (NMFS 2004). Determination of pilot coverage was not based on annual percentage of observer coverage, but rather on the temporal distribution of trips throughout the 12-month period in order to support the method used for discard estimation and sample size analyses. As described in Wigley et al. (2007), four scenarios were developed to determine when to use imputation or pilot coverage:

(1) If observer coverage exists in all 4 quarters with sufficient sample sizes to generate quarterly CVs, then no imputation or pilot coverage was used;

(2) If observer coverage exists in 3 quarters with sufficient sample sizes to generate a CV, then the missing quarter was imputed using half-year estimate;

(3) If observer coverage exists in 1 or 2 quarters with sufficient sample sizes to generate a CV and the other 2 or 3 quarters had zero or 1 trips, then there were insufficient data to apply simple imputation and pilot coverage was used; and

(4) If no observer coverage exists in all 4 quarters; then pilot coverage was used.

The designation of pilot coverage was made for each NEFOP data set (FISH and PSPP). “P” indicates pilot coverage was used in the sample size analysis. If the pilot designation applies only to the NEFOP FISH data set, then “P*” is used.

Observed Encounters (Section 2)

The NEFOP data used in this section included all hauls from NEFOP trips using “limited” sampling or “complete” sampling protocols and includes observed and unobserved hauls. Any NEFOP data that required aggregation beyond the fleet level, or data that could not be stratified to a fleet due to confidentiality rules, missing gear or mesh information, were excluded from the fleet summaries. These data, however, are reported in the species group summaries.

A list of all unique species recorded by NEFOP observers over the 3-year period from July 2007 through June 2010 was compiled, by species recorded in pounds and by species recorded in number. For all NEFOP trips, observed catch quantities (kept and/or discarded) were summed for each species/species group and SBRM year and for each species/species group, fleet, and SBRM year (note: the fleet summaries excluded data that could not be classified to a fleet). Separate summaries are presented for fish/invertebrates (in live pounds) and sea turtles (in numbers).

The percentage of NEFOP trips that encountered a species/species group is derived by dividing the number of NEFOP trips that observed the given species/species group, regardless of catch disposition, by the number of NEFOP trips in each fleet and SBRM year. Annual percentage of observed trips that encountered the species/species group was derived by summing the NEFOP trips that encountered the species/species group over all fleets in each SBRM year and dividing by the sum of the number of NEFOP trips in each SBRM year.

Discard Estimation and Precision (Section 3)

Fish/Invertebrates

The NEFOP and VTR data were used in the analyses of this section. The NEFOP FISH data set (“complete” sampling protocol) with only observed hauls in which all kept and discarded species were recorded was used. In the majority of trips, all hauls were observed. The NEFOP trip data were collapsed into strata as defined above. For each fleet, the number of trips, the average number of days absent (trip length in days), kept weight of all species in the trip, and the discard weight of each species were calculated.

As mentioned above, simple imputation methods were used to fill quarterly cells for which there were one or no observed trips. Data from adjoining strata were pooled to impute estimates for cells with zero or one trip. In this imputation only the temporal stratification, calendar quarter, was relaxed to half year (or annual) recognizing that seasonal variation can occur for some species. This simple imputation could not be applied to fleets where observer coverage was low or missing throughout the year (i.e., too few data to support the simple imputation approach). In these cases, imputed values were not used, and the fleet was designated as a fleet in need of pilot coverage. If some data were available, then discard estimates were derived, but these results were not used in sample size analyses.

To estimate total annual discards and precision, a combined d/k ratio estimator (Cochran, 1963) was used where d = discard pounds of a given species and k = kept pounds of all species. The VTR landings of all species combined, corresponding to each fleet and SBRM year were

used to expand the discard rate to estimate total discard weight of each SBRM species/species group, fleet and SBRM year.

The combined ratio method is based on a ratio estimate pooled over all strata and trips within a fleet. Total discarded pounds for species *j* is defined as:

$$(1)\quad \hat{D}_j = \sum_{h=1}^{Q} K_h r_{c,j}$$

where

$$(2)\quad r_{c,j} = \frac{\sum_{h=1}^{Q} N_h \sum_{i=1}^{n_h} \frac{d_{jih}}{n_h}}{\sum_{h=1}^{Q} N_h \sum_{i=1}^{n_h} \frac{k_{ih}}{n_h}}$$

where $\hat{D}_j$ is total discarded pounds for species j; K_h is VTR total kept pounds in stratum h; $r_{c,j}$ is the combined ratio of species j; d_{jih} is discards of species j from trip i in stratum h; k_{ih} is kept pounds of all species on trip i in stratum h; N_h is the number of VTR trips in stratum h; n_h is the number of observed trips in stratum h. In Eq. 2 the summation over strata h = 1 to Q is over calendar quarters and the other strata values are held constant. Equation 3 (below) requires a more explicit definition of the stratum designation since the summation over quarter relies on an annual average ratio defined in Eq. 2.

The variances of the total discards were also derived. The variance of $\hat{D}_j$ for species j is defined as:

$$(3)\quad V(\hat{D}_j) = \sum_{q=1}^{4} K_{qh}^2 \left(\frac{N_{qh} - n_{qh}}{n_{qh} N_{qh}} \right) \frac{1}{\left(\frac{\sum_{i=1}^{n_h} k_{iqh}}{n_{qh}} \right)^2} \left[\frac{\sum_{i=1}^{n_{qh}} \left(d_{jiqh}^2 + \left(r_{c,j} \right)^2 k_{iqh}^2 - 2 r_{c,j}\, d_{jiqh} k_{iqh} \right)}{n_{qh} - 1} \right]$$

where $\hat{D}_j$ is total discarded pounds for species j; K_{qh} is VTR total kept pounds in quarter q and stratum h; $r_{c,j}$ is the combined ratio of species j ; d_{jiqh} is discards of species j from trip i in quarter q and stratum h; k_{iqh} is kept pounds of all species on trip i in quarter q and stratum h; N_{qh} is the number of VTR trips in quarter q and stratum h; n_{qh} is the number of observed trips in quarter q and stratum h.

In this document, the coefficient of variation is defined as the ratio of the standard error of the total discards divided by the total discards. The coefficient of variation (CV) of $\hat{D}_j$ is defined as:

(4) $CV(\hat{D}_j) = \frac{\sqrt{V(\hat{D}_j)}}{\hat{D}_j}$

For each species/species group, fleet and SBRM year, the landings from the VTR and clam logbook are presented to provide perspective for the discard estimates. The landings associated with the "minor" fleets not considered in SBRM have been aggregated into a single fleet labeled "Other fleets."

Sea Turtles

Using the NEFOP PSPP data set, the discard estimation method described above was used to derive variance estimates for sea turtles.

Sample Size Analysis

The annual SBRM sample size analyses[13] were conducted to estimate the number of baseline trips and sea days needed to monitor the 15 species groups in each fleet for each SBRM year. As described in Wigley et al. (2007), the number of trips and sea days needed to achieve a given precision level was based on the variance of the total discard estimate for a species group. Sample size (trips and sea days) associated with the SBRM precision standard for discard estimates (30% CV) were derived. The sample size analysis was performed using trips as the sampling unit, and then converting the number of trips to sea days by multiplying by the weighted mean trip length, where the weighting factor was the quarterly number of VTR trips.

The number of sea days and trips needed to achieve a 30% CV are derived based on the variance of the total discards using the combined ratio method and the d/k discard ratio (Eq. 3).

From Eq. 3, let

(5) $\hat{S}^2_{jqh} = \left[\frac{\sum_{i=1}^{n_{qh}} \left(d^2_{jiqh} + (r_{c,jh})^2 k^2_{iqh} - 2 r_{c,j}\ d_{jiqh} k_{iqh} \right)}{n_{qh} - 1} \right]$ and

(6) $\delta_{qh} = \frac{n_{qh}}{\sum_{q=1}^{4} n_{qh}}$

where δ_{qh} is the fraction of the trips in quarter q in stratum h; $r_{c,jh}$ is the combined annual ratio of species j in stratum h; d_{jiqh} is discards of species j from trip i in stratum h in quarter q; k_{iqh} is kept pounds of all species on trip i in stratum h in quarter q; and n_{qh} is the number of observed trips in stratum h in quarter q. The $r_{c,jh}$ in Eq. 5 is defined in Eq. 2 in which the summation is over quarters within a given strata defined by gear, region, access area, trip type and so forth.

The number of trips necessary to achieve a 30% CV based on the variance of the annual total discards for species group j in stratum h is defined as

[13] "Sample size analysis" is synonymous with "sea day analysis".

$$(7)\quad \hat{T}D_{30\,jh} = \frac{\sum_{q=1}^{4}\left(\frac{K_{qh}^{2}}{\bar{k}_{qh}^{2}}\hat{S}_{jqh}^{2}\frac{1}{\delta_{qh}}\right)}{(0.09)\hat{D}_{jh}^{\;2} + \frac{\sum_{q=1}^{4}\frac{K_{qh}^{2}}{\bar{k}_{qh}^{2}}\hat{S}_{jqh}^{2}}{N_{h}}}$$

where $0.09 = 0.30^2$, the square of the 30% CV, the given target precision level.

The number of sea days necessary to achieve a 30% CV based on the variance of the annual total discards for species group *j* in stratum *h* is defined as

$$(8)\quad \hat{S}D_{30\,jh} = \hat{T}D_{30\,jh} * \overline{DA_{h}}$$

where $\overline{DA}_h$ is the weighted average trip length of VTR trips in stratum *h* (weighted by the number of VTR trips in each quarter).

When total discards could not be estimated due to little or no observer coverage (no data), or when total discards are zero (no variance), sample size was determined by pilot coverage, where 2% of the quarterly VTR trips for a fleet, with a minimum of 12 trips per year (3 trips per quarter) and a maximum of 400 trips per year (100 trips per quarter), were multiplied by the quarterly mean VTR trip length to derive quarterly sea days. The quarterly trips and quarterly sea days were then summed for annual number of trips and sea days. Pilot coverage may result in too much coverage in cases where little or no observer coverage may actually be needed.

$$(9)\quad \hat{S}_{30,\,jhq} = \hat{T}_{hq} * \overline{DA_{hq}}$$

where $\hat{T}_{hq}$ is 2% of the VTR trips in stratum *h* and quarter *q*, and 3 <= $\hat{T}_{hq}$ <= 100 trips; $\overline{DA}_{hq}$ is the average trip length of VTR trips in stratum *h* and quarter *q*. The quarterly trips and sea days were then summed for annual number of trips and sea days.

The SBRM Omnibus Amendment calls for attainment of CVs of no more than 30% in each fleet/species combination. Thus, for each fleet, a CV of 30% or less is to be attained for each species within that fleet. Some fleet/species combinations contribute very little to the total mortality or discard of the species, but may require significant resources to characterize the precision of the estimate. For example, a high variance estimate for a rare event within a fleet would require high levels of sampling, even though the total discard in that fleet was unimportant with respect to either the total discard or total mortality on the resource.

As in previous SBRM analyses, importance filters were used to provide a standardized protocol to further refine the number of baseline sea days based on: (a) the importance of the discarded species relative to the total amount of discards by a fleet, and (b) the total fishing mortality due to the discards. Three filters (i.e., unlikely cell filter, fraction of discard filter, and

fraction of total mortality due to discards filter[14]) are applied simultaneously. The unlikely cell filter eliminates sea days associated with fleets where species and gear combinations are considered, *a priori*, as unlikely or infeasible. The unlikely cell filter can act as an "override" mechanism in situations where pilot coverage is evoked due to no variance (observer coverage indicates zero discards). A detailed description of the SBRM importance filters is given in Wigley et al. (2007).

The baseline sea days were filtered using a 95% cut-point in the discard filter, and a 98% cut-point for the total mortality filter due to discards. In other words, estimates of sea day coverage for a given species or species group were derived for those fleets where discards constituted 95% of the discard mortality and 98% of the total mortality. The unlikely cell filter was not updated for new fleets in SBRM 2010 and SBRM 2011 with regard to the 14 fish species groups; "likely" was assumed for the new fleets. The unlikely filters will be re-evaluated during Part 2 of this review.

To determine the number of sea days (referred to as "SBRM standard sea days") and trips needed to achieve a 30% CV within a fleet, the maximum number of sea days for the 15 species groups (i.e., the maximum number of sea days in a row) was used. This ensures that all species groups will have a 30% CV or less. In the event that sea days for each species group within a fleet are filtered out, then the number of sea days for the fleet will be based on pilot coverage to maintain monitoring coverage for that fleet. If the fleet is designated as a pilot fleet, then pilot sea days are used.

RESULTS

Observer Coverage (Section 1)

The number of NEFOP trips, by NEFOP subset (FISH and PSPP), and the number of VTR trips, by fleet and SBRM year, are presented in Table 2. The number of NEFOP sea days, by NEFOP subset (FISH and PSPP) and the number of VTR sea days, by fleet and SBRM year, are presented in Table 3.

A total of 61 unique fleets have been reported in the three annual SBRM analyses. Fleets in Rows 1 to 52 have been used in the annual SBRM sea sample size analyses. These fleets have VTR trips but may or may not have NEFOP trips. Fleets in Rows 53 to 61 have sparse or no VTR trips resulting in no sampling frame and consequently have been excluded from the discard estimation and sample size analyses. The NEFOP trips associated with these fleets constitute a small fraction (0.01%) of the total trips reported (Table 2). The fisheries associated with the MA beach seine and NE and MA Menhaden purse fleets (Rows 59, 60, and 61, respectively) do not have VTR reporting requirements (unless vessels hold fishing permits for species that do have VTR reporting requirements).

It is possible for a trip to be partitioned if two or more gear types or mesh groups are used during a trip. The result of this partitioning may inflate the number of trips and sea days observed. The numbers of unique NEFOP trips, before applying the stratification and conditioning the data set for analysis, were 3,021, 3,024, and 3,326 in SBRM 2009, SBRM 2010 and SBRM 2011, respectively. The numbers of unique NEFOP sea days were 10,211, 11,249, and 10,362 in SBRM 2009, SBRM 2010, and SBRM 2011, respectively.

[14] Fraction of total mortality due to discards is defined as the ratio of discards of species group j in fleet h (D_{jh}) to the sum of commercial landings (L_{jh}), recreational landings (R_{jh}), and discards (D_{jh}) summed over h.

The percent coverage of trips, summed over all fleets, ranged between 2% and 3.5%; percent coverage for sea days ranged between 4.4% and 6.1%. (Tables 2 and 3). The observed coverage is higher for sea days than for trips due to the high coverage for compliance monitoring of trips fishing in the US/CANADA resource sharing area. Trips fishing in this area generally have a greater mean trip length than other trips associated with NE large-mesh otter trawl (Row 8).

Finer scale coverage rates vary among fleet and SBRM year. Observer coverage rates, in terms of percentage of trips, sea days and landings, by fleet for 24 selected fleets and SBRM year, are given in Figures 1, 2, and 3, respectively. The 24 selected fleets are: Rows 2, 4-8, 16, 19-24, and 26-36; these represent fleets for which discards were estimated in the majority of years. The highest coverage (>50% in terms of trips) occurred in the Industry-funded scallop dredge access area fleets (Rows 30 and 28; Figure 1). The majority of fleets have less than 10% coverage of trips, sea days or landings. It should be noted that percent coverage is only one measure for monitoring adequacy, and that precision of the discard estimates is the specified metric for monitoring adequacy within SBRM.

Within Rows 1 to 52 (Tables 2 and 3), there were two fleets for which the numbers of NEFOP trips and sea days are greater than the VTR trips and sea days. These data irregularities are attributed to improperly reporting the gear type used on the VTR. The Ruhle trawl (Row 13) and haddock separator trawl (Row 14) are newly-regulated gear types in the US/CANADA resource sharing area and are often misreported as otter trawl. The NERO continues to perform outreach and education directed towards those who use these new gear types to improve proper reporting of gear used. Another fleet with misreported gear type is the New England shrimp trawl (Row 16). In this fleet, a minor number of VTR trips reported using shrimp trawl when an otter trawl was used. Approximately 56, 43, and 12 trips misreported shrimp trawl during SBRM 2009, SBRM 2010 and SBRM 2011, respectively. Similarly, a minor number of VTR trips reported otter trawl when a shrimp trawl was used. Due to the minor numbers of trips with misreported gear types the data used in this analysis were not adjusted. The misreporting of gear types in the VTR data does not impact the observed coverage due to the insignificant number of trips. Further discussion in the implications of misreported gear on discard estimation is given below. Observed coverage for gillnet fleets were higher in the NEFOP PSPP data set than the FISH data set because both “complete” and “limited” sampling protocols trips contribute to the NEFOP PSPP, while only the “complete” sampling protocol trips contribute to the NEFOP FISH set (Tables 2 and 3).

Pilot fleet designation generally indicates little or no observer coverage, except in cases in which NEFOP trips were not temporally distributed throughout the year. Not all fleets considered within the SBRM have NEFOP coverage. Within Rows 1-52, there were 26 fleets which required pilot coverage in all 3 years, six fleets for which a change between pilot and non-pilot coverage occurred during the 3 years, and 20 fleets that had sufficient NEFOP coverage in all years (Table 2).

Within the SBRM, there were two confidential fleets, nine Industry-funded fleets, and eight fleets that were not initially considered in the annual SBRM analyses but were subsequently added during the 3-year period.

The two fleets where confidentiality rules applied in all SBRM years were:

Row 60 MA Menhaden Seine
Row 61 NE Menhaden Seine

The nine scallop resource set-aside Industry-funded fleets that were explicitly included in SBRM 2010 and SBRM 2011 were:

Row 9 MA Access Area General Category Scallop Trawl
Row 10 MA Access Area Limited Category Scallop Trawl
Row 12 MA Open Limited Category Scallop Trawl
Row 27 MA Access Area General Category Scallop Dredge
Row 28 NE Access Area General Category Scallop Dredge
Row 29 MA Access Area Limited Category Scallop Dredge
Row 30 NE Access Area Limited Category Scallop Dredge
Row 33 MA Open Limited Category Scallop Dredge
Row 34 NE Open Limited Category Scallop Dredge

The eight fleets not considered in annual SBRM analyses (denoted by dark shading in the tables) but subsequently included were:

Row 13 NE large-mesh Ruhle Trawl (SBRM 2009 and SBRM 2010)
Row 14 NE large-mesh Haddock Separator Trawl (SBRM 2009)
Row 17 MA Floating Trap (SBRM 2009)
Row 18 NE Floating Trap (SBRM 2009)
Row 43 NE Shrimp Pots and Trap (SBRM 2009)
Row 48 MA Beam Trawl (SBRM 2009)
Row 49 NE Beam Trawl (SBRM 2009)
Row 50 NE Other Dredge (SBRM 2009)

The MA shrimp trawl (Row 15) fleet was excluded in the 3-year review summaries due to the uncharacteristic nature of the two observed trips relative to the VTR trips in this fleet. These two observed trips constitute a unique sub-fleet within the MA shrimp fishery.

Previously Reported Information

Numbers of NEFOP and VTR trips and sea days by calendar quarter are available in Tables 2 and 3 of the Sea Day Analysis and Prioritization documents for SBRM 2010 and 2011 (NEFSC 2010 and NEFSC and NERO 2011, respectively). See Appendix Tables 1, 2, and 3 of this report for SBRM 2009.

Observed Encounters (Section 2)

The NEFOP has recorded 311 unique[15] species by weight and 42 species by numbers (Appendix Table 4) over the 3-year period from July 2007 to June 2010. A summary of the 15 SBRM species groups (14 fish/invertebrates species groups, in weight by disposition, and sea turtles, in numbers) is given in Table 4 for the SBRM species groups, the SBRM species groups combined, the non-SBRM species, and all species combined by SBRM year. The 14 SBRM species groups represent approximately 90% of the total weight of all species recorded by NEFOP observers (Table 4).

[15] Unique species reflect the species codes used by observers. Some species have not been identified to the species level, such as starfish, sponge, and sea cucumbers, and there are some cases when species cannot be positively identified and are recorded as a species group not known, e.g., “flounder, NK”.

Fish/Invertebrates

Summaries of observed weight (kept and discarded), and the percentage of trips that encountered a species group/species by fleet and SBRM year, are presented in Tables 5A and 5B. Only fleets with NEFOP trips have been summarized, resulting in non-consecutive row numbers within Tables 5A and 5B. Additionally, two fleets (Rows 60 and 61) were omitted due to confidentiality and three fleets (Rows 25, 41, 53) did not encounter any of the 14 SBRM species groups. A total of 45 fleets over the 3-year period have been summarized.

In general, the percentage of trips encountering a species group/species varied across region and fleet; however, the percentages across SBRM years were similar and indicate persistent fleet/species group interactions. The skate complex, large-mesh groundfish, and monkfish were the three most frequently encountered species groups on NEFOP trips (Table 5A).

Sea Turtles

Sea turtles were recorded in 10 fleets during the July 2007 through June 2010 period (Tables 6A and 6B). The majority of encounters were reported in MA fleets (7 of the 10 fleets), and the majority of encounters were loggerhead turtles.

Previously Reported Information

Kept and discarded weights of all species recorded by NEFOP observers, by statistical area and calendar quarter, can be found in Section 2 of the Annual Discard Reports for 2009, 2010 and 2011 (NEFSC 2011a, NEFSC 2011b, NEFSC 2011c, respectively).

Discard Estimation and Precision (Section 3)

Fish/Invertebrates

Annual VTR landings and estimated discards (live pounds) with associated precision are summarized for 53 fleets (Rows 1 to 52, and "Other fleets" with landings only) as follows: (1) for each of the 14 SBRM species groups/species over all fleets for each SBRM year (Tables 7A and 7B; Figure 4); (2) for the 14 SBRM species groups combined by fleet for each SBRM year (Table 8; Figure 5**)**; and (3) for each of the 14 SBRM species groups/species by fleet and SBRM year (Tables 9A and 9B; Figures 6A, 6B, and 7).

Based on these analyses, spiny dogfish and the skate complex had the highest (greater than 60%) percentage of discards of the 14 SBRM species groups (Table 7A; Figures 4 and 6A). In SBRM 2010, red crab also experienced high discards (exceeded 60%) when both NE and MA red crab pot fleets (Rows 46 and 47, respectively) were observed. In SBRM 2009, only the MA red crab pot fleet (Row 46) was observed and in SBRM 2011 neither the MA or NE red crab pot fleets were observed (Tables 2 and 9A). Due to regulations prohibiting possession of female red crabs, discarding is expected to be higher in these directed red crab pot fleets than for other SBRM species and other fleets without such regulations. Red crab discards did occur in other fleets, most notably in the NE large-mesh otter trawl (Row 8; Table 9A, Species Group: Red Crab). The majority of SBRM species groups had discard percentages that were less than 25%.

For several individual species, such as yellowtail flounder and halibut, the percentages of discards were high (greater than 37%) due to regulatory reasons (trip limits), while for other individual species, such as ocean pout, windowpane flounder, and red hake, the percentage of discards were high (generally greater than 50%) due to no or low market demand coupled with

regulatory reasons (no possession) in fishing year 2010 (Figure 6B). The percentage of butterfish discards was high (greater than 70%) in the MA and NE small-mesh otter trawl fleets (Rows 5 and 7 respectively; Table 9B; Figure 6B; Species: Butterfish) in SBRM 2010 and SBRM 2011.

For the 14 SBRM species groups combined, fleets with the highest percentage of discards included: NE shrimp trawl (Row 16); MA large-mesh otter trawl (Row 6); NE large-mesh otter trawl (Row 8) (Table 8; Figure 5). In SBRM 2009, the NE longline (Row 2) and MA large-mesh gillnet fleets also had high percentages of discards, both associated with the discards of spiny dogfish. It is unexpected that NE shrimp trawl (Row 16) would rank highest among these fleets when regulations require this fleet use a bycatch-excluding device, the Nordmore grate, and specify no possession of large-mesh groundfish. Misreporting of gear used in the VTR data is clearly evident in this fleet. The seasonal nature (December to April) of the northern shrimp fishery contributes to the inadvertent misreporting of gear code (OTS = otter trawl, shrimp and OTF = otter trawl, fish) by fisherman who switch between these two fisheries. While the percentage of discards in this fleet is high, the magnitude of discards is very low (less than 0.5%) of total discards of the SBRM species groups combined (Table 8). It is important to note that northern shrimp, the target species of the NE shrimp trawl fleet, is not an SBRM species. Due to the minor numbers of trips misreporting the gear type used and the resultant large percentages of SBRM discards for this fleet, the NE shrimp trawl fleet (Row 16) has not been included in Figure 5. The reader should cautiously consider the New England shrimp trawl fleet results that are associated with the VTR data (Tables 8, 9A and 9B; Figures 6 through 9). The fleet results associated with the NEFOP data (Tables 5A and 5B) are not impacted by this data quality issue.

For each of the 14 SBRM species groups, fleets with the highest percentage of discards in all 3 of the SBRM years included: MA large-mesh otter trawl (Row 6), MA General Category Open scallop dredge (Row 31); and NE large-mesh otter trawl (Row 8; Tables 9A and 9B; Figure 7).

The landings associated with the various minor fleets aggregated in “Other fleets” generally constituted less than 0.01% of the total landings across all fleets (Tables 8, 9A and 9B). However, in SBRM 2009, the percentage was slightly higher (but generally less than 0.5%) due to more fleets having been aggregated into the “Other fleets” in this year (there were the eight fleets not considered in the annual 2009 SBRM analyses but were included as separate fleets in SBRM 2010 and 2011).

Precision of the discard estimates are presented in Tables 9A and 9B and displayed in Figures 8A, 8B, 9A, and 9B for each of the 14 SBRM species groups and for the individual species that comprise these groups. The precision associated with the estimated discards of species groups/species in fleets for which discards were considered unimportant (i.e., these groups constituted the lower 5% of the discard mortality and lower 2% of the total mortality and were filtered out via the importance filter process) were not used in the sample size analysis to determine the SBRM sea day standard. Only the precision of the discard estimates of the SBRM species groups were used in the sample size analysis (precision of individual species were not used in sample size analyses) and the precision of the SBRM species groups that were filtered out are indicated in light shade in tables summarizing estimated discards and precision. The precision of the discard estimates of individual species that were filtered out are not indicated in Table 9B.

None of the precision estimates for five of the 14 SBRM species groups (bluefish, tilefish, Atlantic herring, surf clams/ocean quahog, and salmon) were used in the sample size

analysis, thus these species groups are not presented in Figure 9A. The precision (CV) of the discard estimates for SBRM species groups and the individual species that were considered important varied by species groups/species, fleet and SBRM year. For the 14 SBRM species groups in the 3 SBRM years, 89 of the 128 precision estimates (70%) were less than or equal to 30% CV (Table 9A; Figures 8A and 9A). For the individual species that comprised the 14 SBRM species groups in the 3 SBRM years, 76 of the 188 precision estimates (40%) were less than or equal to 30% CV (Table 9B; Figures 8B and 9B).

With regard to precision of the discard estimates, many of the species groups/species in the scallop Industry-funded fleets have CVs below 30% (Figures 8A and 8B). The numbers of observer sea days in the scallop fleets are based on the total fraction of landed value allocated to discard monitoring and the daily compensation rate. The compensation rate[16] is designed to avoid biases that might arise if vessels avoided observers at low compensation rates and vice versa at high compensation rates. Realized coverage rates generally exceed the SBRM standard sea days. Additionally, most of the species group/species in the NE large-mesh otter trawl (Row 8) have precision estimates below 30% CV due to the increased monitoring of NE groundfish fleets as part of the coverage for special access programs and, more recently, for Amendment 16 to the Northeast Multispecies fishery management plan. Conversely, many of the species groups/species in MA and NE small-mesh otter trawl fleets (Rows 5 and 7) have precision estimates at or above the SBRM standard of 30% CV due to constraints of available funds that prevent sea days from being allocated to these fleets (Figures 8A, 8B, 9A, and 9B). None of the precision estimates for the sea turtle species group in the 3 SBRM years were less than 30% CV.

Sea Turtles

The precision of sea turtle interactions derived within the annual SBRM analyses to determine the numbers of sea days needed to achieve a 30% CV are given in Table 10. None of the precision estimates for the sea turtle species group in the 3 SBRM years were less than 30% CV (Table 10).

The estimates of sea turtle discards were calculated from model-based methods (Table 11) that have been tailored specifically to sea turtles. These methods differed from the design-based methods which were used to estimate the SBRM sea day standards (from CVs) for all SBRM species groups. The design-based estimators of precision and SBRM standard sea days are useful for allocating observer coverage in a comprehensive program. Model-based estimators are useful for estimating average annual discards of statistically-rare species like threatened and endangered sea turtles. The design-based approach only estimates observable interactions, whereas the model-based approach can estimate observable interactions plus unobservable/quantifiable interactions (Murray 2011). As a result of the differences between methods shown in Table 11, the design-based CVs for the sea turtle species group (Table 10) tend to be larger than the model-based CVs for the single species of loggerhead turtle (Table 12).

The most recently published average annual estimates of sea turtle interactions with Mid-Atlantic commercial fisheries[17] are given in Table 12. Annual model-based estimates are sometimes available (Murray 2009) in addition to these average annual estimates. The NEFSC's Protected Species Branch has produced a draft estimate of loggerhead interactions in the U.S. Mid-Atlantic bottom trawl fish and scallop fisheries for 2005-2008, but it is not included in

[16] Considerations in the compensation rate analysis include: a compensation rate that does not induce bias in vessel selection, the cost of carrying an observer, LPUE, and expected scallop prices.

[17] The term "fishery' used in the model-based analyses for turtles is not synonymous with the SBRM term "fleet".

Table 12 because it is still in review. (Note that Warden 2011 offers an approach to prorate loggerhead interactions by managed species landed, but the research documenting the methods for estimating the overall rate and magnitude of interactions is still under review.) Please see the references in Table 12 for more information.

The methodology used to estimate turtle interactions in this report are different from those used for finfish in two important ways. Turtle estimates rely on a model-based estimator that is derived from a post-stratification process. Post-stratification can be used to improve design-based estimators as well. This is typically used when one is interested in estimates of discards by stock (e.g., Georges Bank cod versus Gulf of Maine cod). Model-based estimates in Table 12 rely on the outcome of observed trips. The ability to develop improved estimates, e.g., specific to areas or temperature patterns, after the samples are taken is expected because more information is available to the analyst. These same methods could be used to improve sampling coverage before the trips are taken *if* it is possible to obtain a sampling frame of vessels that are destined to fish in areas of interest. Otherwise, improvements to the model-based estimator must rely on an *a priori* probability that a vessel within a defined fleet will actually fish in the area. As a consequence the ability to improve post-stratified estimates for turtles, or any species for that matter, will be less efficient because one cannot ensure that a given trip will actually provide useful information.

Sample Size Analysis

The SBRM sea day standard (numbers of sea days needed to achieve a 30% CV for all SBRM species groups within a fleet using the designed-based methodology), and the prioritized funded sea days by fleet and SBRM year, are given in Table 13. In each of the 3 years, the sum of the SBRM standard sea days exceeded the total funding for sea days. The shortfall in funding invoked the SBRM consultation and prioritization process which resulted in prioritized sea days. The SBRM sea day standard varied across years for a given fleet due to the variability in discard estimates among the 15 SBRM species groups, changes in fishing patterns, and changes in both the distribution and abundance of the species groups. The use of the previous year's data to estimate appropriate sampling coverage in a future year is predicated upon two assumptions: (1) the discard ratio and its variance remain constant, and (2) the distribution and magnitude of fishing effort remains constant in the relevant strata.

DISCUSSION

Observer Coverage (Section 1)

Percentage of observed coverage (in terms of trips, sea days, or landings) derived in this report should not be confused with the SBRM performance standard (30% CV of discard estimate), the specified metric used to allocate observer coverage among fleets and used to evaluate monitoring adequacy within the SBRM. It is important to note that the percentage of observed coverage may result in either over or under sampling of the fleet. Observer monitoring of bycatch must meet multiple objectives that include: bycatch monitoring of individual species (fish and turtles), compliance monitoring of annual catch entitlements (ACEs), and quota-monitoring of hard total allowable catch (TAC). SBRM focuses on monitoring to achieve acceptable measures of precision. Quota monitoring (including monitoring for compliance with regulations) is more challenging since increased coverage may be necessary to ensure more frequent in-season reports of discards rates. Monitoring rates for compliance with regulations

often must be higher to reduce the scope for potential bias in estimation. It must be emphasized that SBRM does not consider the additional monitoring requirements for compliance. Increases in monitoring for compliance issues are based on the expectation that the observed variability in discard rates will include the normal variation plus potential, but unquantified, bias.

The use of the previous year's data to estimate appropriate sampling coverage in a future year is predicated on two assumptions: (1) the discard ratio and its variance remain constant, and (2) the distribution and magnitude of fishing effort remains constant in the relevant strata. The sufficiency of the predicted number of sea days generated using data from one year can change in response to a number of factors that include: variability in the discard estimates among the 15 SBRM species groups, changes in fishing patterns, changes in distribution and abundance of species groups, etc. When such changes are likely it is prudent, if possible, to increase coverage rates.

Due to the annual SBRM reporting process, SBRM 2011 is the first year where the sea day allocations were directly influenced by the SBRM sea day prioritization (see text table). The sea day coverage resulting from the SBRM 2009 schedule does not enter the SBRM analysis until SBRM 2011 (i.e., data collected during July 2009 through June 2010 results from a combination of sea day schedules from SBRM 2009 (two calendar quarters) and SBMR 2010 (two calendar quarters). Although the SBRM 2009 (July 2007 through June 2008) and SBRM 2010 (July 2008 through SBRM June 2009) data were not directly influenced by SBRM process, sea days were optimized using an optimization algorithm described in Rago et al. (2005).

There are several fleets where VTR trips are missing or less than NEFOP trips. These are areas where improvements in reporting compliance are needed. Continued outreach and education are needed. The need for improved data auditing of the gear types reported in the VTR data have been previously identified (Wigley et al. 2008b); the need continues.

Observed Encounters (Section 2)

This is a comprehensive summary of the data collected on observed trips by NEFOP trained at-sea observers and monitors. No discard estimation, resulting from an expansion of discard ratios, has been performed for observed encounters summarization. It is improper to calculate discard-to-kept ratios using this summary (Tables 5A and 5B) because the data utilized to generate this summary include data from all hauls for which an observer was "on-watch," including hauls where discard data were not collected due to incidental take sampling and trips with "limited" sampling protocols. It is also improper to compare discard amounts across fleets without accounting for the number of observed trips by fleet; the number of observed trips will vary by fleet. This summary is not intended to replace analyses that subset NEFOP data for discard estimation (see Discard Estimation and Precision below). Subsequent SBRM analyses and/or species-specific stock assessment analyses may differ from this report due to differences in stratification and data used.

The percentages of trips that encounter species groups are informative in the prioritization of sea days. The percentage of trips encountering a species group provides a measure of the expected value of a trip toward reducing the variance of an estimate for a particular species or species group. As noted earlier, not all trips will be informative for all species. The encounter rate estimates can help guide vessel selection to ensure that species- or stock-specific discard information is improved. For example, an encounter rate of 25% for species A in fleet B would mean that only one of four trips in fleet B is likely to provide information on species A discards.

Discard Estimation and Precision (Section 3)

Fish/Invertebrates

The SBRM discard estimation analysis uses a broad stratification (region, gear type, mesh group, access area and trip category) to encompass all federally managed species considered in the SBRM, and uses a combined ratio method (discard-to-kept of all species weight ratio). The discard estimates reported here may not necessarily correspond directly with the discard estimates derived for individual stock assessments due to differences in stratification and data. It is expected, however, that estimates would be in the same order of magnitude. **The SBRM discard estimates are not definitive estimates, but are indicative of where discarding is occurring among commercial fleets.**

This review report presents the discard estimates derived through the SBRM process. The following caveats apply:

- A broad stratification scheme has been used to encompass all the federally managed species in the Northeast region. Species-specific stock assessment analyses may differ from this report due to differences in stratification and data used that include calendar year versus SBRM year, region (based on port of departure) versus area fished, and VTR landings versus Dealer landings.
- Region, based on port of departure, is used for deploying observers, and it is recognized that area fished would provide a better stratification for discard estimation.
- The SBRM analysis utilizes the Vessel Trip Report data. Dealer (*CFDERSyyyy*) data does not contain mesh or area fished information until the trip-based allocation is performed. The trip-based allocation of Dealer (*CFDETT/SyyyyAA*) data is conducted annually and was not available when each of the annual SBRM analyses was initiated.
    - The VTR point location is used to determine access area for commercial scallop fleets.
    - There are differences in species pounds between the VTR and Dealer data sets: VTR reports the good-faith hail weights while Dealer data provide actual landings weight.
- The current databases do not contain the needed information to match trips directly (i.e. one-to-one match) across databases and hence ad-hoc methods were developed; some misclassification of trips to a fleet may have occurred. Some of the misclassifications of trips are evident in Table 2, while other misclassifications are evident in Tables 8, 9A and 9B. Further efforts in outreach and education, and additional auditing of VTR data, are strongly encouraged.
- Some imputation was needed due to limited temporal observer coverage of some fleets. It is recognized that using half-year estimates may not be appropriate for all species and that in some cells quarterly discard ratios were based on small sample sizes. This will contribute to lower precision (higher variability) of the discard estimates.
- Due to data limitations, discards were not estimated for all fleets, thus *total* discards are underestimated.

- We have assumed 100% discard mortality, i.e., we do not account for potential survival of organisms returned to the water. When comparing discard estimates from this study with those from stock assessments, it is useful to note that survival ratios are applied in stock assessments for spiny dogfish, summer flounder (fluke) and southern New England and Gulf of Maine stocks of winter flounder.

Sample Size Analysis

Pilot coverage has been used when the bycatch ratio is zero or when variance of the bycatch ratio or the variance of the composite total discards is zero. It is recognized that pilot coverage may result in too much coverage in cases where no observer coverage is needed for a cell. As bycatch information is acquired, the use of the unlikely (gray-shaded) filter (one of the three filters comprising the importance filter) can be evaluated and potentially eliminated to prevent the overuse of pilot coverage. When the importance filters are applied, cells with pilot coverage are expected to be excluded when cells have little or no discards due to other factors (e.g., discard amount is extremely low compared to total landings, etc). It should be noted that pilot coverage plays an important role in determining coverage for protected species (species where bycatch may be a rare event).

The SBRM Omnibus Amendment calls for attainment of CVs of no more than 30% in each fleet/species combination. Thus, for each fleet, a CV of 30% or less is to be attained for each species within that fleet. Some fleet/species combinations contribute very little to the total mortality or discard of the species, but may require significant resources to characterize the precision of the estimate. For example, a high variance estimate for a rare event within a fleet would require high levels of sampling, even though the total discard in that fleet was unimportant with respect to either the total discard or total mortality on the resource. Thus, the use of the importance filter is a key feature to the SBRM in that is focuses the sampling to fleets where it is needed most and not wasted on small imprecisely estimated discards.

Further improvements in precision of discard estimates are limited by total funding and constraints on funding by region or species group. The SBRM feedback process with the Councils and public ensures that priorities other than precision standards alone can be incorporated into the planned sea day allocations.

SUMMARY

This report highlights the broad data collection program of the NEFOP and that SBRM covers the majority of species encountered by commercial fleets as well as the discarded weight associated with these species. When prioritizing fleets, low encounters and low magnitude of discards of important/critical species can be considered. Additionally, this report provides a comprehensive summary of discard estimates by species group and individual species for federally managed species.

The annual SBRM reporting process provides a process and a structure to summarize the Northeast region’s at-sea monitoring program, describes the methodology used in the estimation of discards, and the deployment of observers to achieve observer coverage that will yield discard estimates with the desired level of precision through a transparent process that include consideration of Councils’ priorities and public comment.

Overall, the Standardized Bycatch Reporting Methodology represents one of the most comprehensive programs for planning and executing observer monitoring coverage of federally managed fisheries. The first 3 years of the program, summarized in this report, illustrate the utility of the approach for monitoring discards in these fisheries and the real-world limitations of implementing an ideal system. Variations in the overall magnitude of funding, constraints on the uses of funding, and competing objectives among fishery management plans are some of the factors that impede attainment of the overall target level of precision. An analysis of the performance of the SBRM will follow in part two of this review report.

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Table 1. List of the 15 SBRM species groups (in bold), with species group abbreviations in parentheses, and the individual species comprising these groups, corresponding to the 13 federally-managed fishery management plans in the Northeast region.

ATLANTIC SALMON (SAL)
BLUEFISH (BLUE)
FLUKE - SCUP - BLACK SEA BASS (FSB)
Black Sea Bass
Fluke
Scup
HERRING, ATLANTIC (HERR)
LARGE MESH GROUNDFISH (GFL)
American Plaice
Atlantic Cod
Atlantic Halibut
Atlantic Wolffish[19]
Haddock
Ocean Pout
Pollock
Redfish
White Hake
Windowpane Flounder
Winter Flounder
Witch Flounder
Yellowtail Flounder
MONKFISH (MONK)
RED CRAB (RCRAB)

SEA SCALLOP (SCAL)
SKATE COMPLEX[18] (SKATE)
SMALL MESH GROUNDFISH (GFS)
Offshore Hake
Red Hake
Silver Hake
SPINY DOGFISH (DOG)
SQUID - BUTTERFISH – MACKEREL (SBM)
Atlantic Mackerel
Butterfish
Illex Squid
Loligo Squid
SURFCLAM - OCEAN QUAHOG (SCOQ)
TILEFISH (TILE)
SEA TURTLES (TURS)
Green Turtle
Hawksbill Turtle[20]
Kemp's Ridley Turtle
Leatherback Turtle
Loggerhead Turtle
Olive Ridley Turtle[20]
Turtles, unk.[20,21]
Turtles, unk hard-shell[22]

[18] Skate Complex is comprised of eight species (barndoor skate, clearnose skate, little skate, rosette skate, smooth skate, thorny skate, winter skate, and skate, nk); individual species are not summarized separately.

[19] Atlantic wolffish is a species that was added to the Northeast Multispecies FMP when Amendment 16 was implemented on May 1, 2010. In SBRM 2009, wolfish was not part of the Large-Mesh Groundfish species group.

[20] A sea turtle species that was not observed in NEFOP data from July 2007 through June 2010 and do not appear in the tables of individual species or contribute to the sea turtle species group.

[21] Turtle, unk. is an unknown species of any sea turtle.

[22] Turtle, unk hard-shell is an unknown species of sea turtles other than a leatherback turtle.

Table 2. Number of Northeast Fisheries Observer Program (NEFOP) and Vessel Trip Report (VTR) trips and percentage of observer coverage, by NEFOP data set for fish and invertebrates (FISH) and protected species (PSPP) and fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009) and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates confidential fleets. An "*" indicates NEFOP trips greater than VTR trips. "P" indicates fleets for which pilot coverage was assigned; "P*" indicates fleets that were pilot for NEFOP FISH set only.

						SBRM 2009						SBRM 2010						SBRM 2011					
						NEFOP			% Coverage			NEFOP			% Coverage			NEFOP			% Coverage		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	FISH	PSPP	VTR	FISH	PSPP	Pilot	FISH	PSPP	VTR	FISH	PSPP	Pilot	FISH	PSPP	VTR	FISH	PSPP	Pilot
1	Longline	OPEN	all	MA	all	3	3	132	2.3	2.3	P			139			P			151			P
2	Longline	OPEN	all	NE	all	92	92	1,076	8.6	8.6		87	88	872	10.0	10.1		119	119	1,043	11.4	11.4	
3	Hand Line	OPEN	all	MA	all		1	3,584		<0.1	P			3,182			P		1	3,485		<0.1	P
4	Hand Line	OPEN	all	NE	all	3	3	2,094	0.1	0.1	P	12	14	2,427	0.5	0.6		13	15	2,295	0.6	0.7	
5	Otter Trawl	OPEN	all	MA	sm	187	188	4,151	4.5	4.5		150	150	3,831	3.9	3.9		277	282	3,805	7.3	7.4	
6	Otter Trawl	OPEN	all	MA	lg	168	170	6,090	2.8	2.8		120	122	6,144	2.0	2.0		201	204	5,689	3.5	3.6	
7	Otter Trawl	OPEN	all	NE	sm	67	67	3,656	1.8	1.8		124	129	3,259	3.8	4.0		268	271	3,668	7.3	7.4	
8	Otter Trawl	OPEN	all	NE	lg	672	674	11,392	5.9	5.9		814	815	10,308	7.9	7.9		829	835	10,395	8.0	8.0	
9	Scallop Trawl	AA	GEN	MA	all	5	5	93	5.4	5.4	P	2	2	84	2.4	2.4	P			124			P
10	Scallop Trawl	AA	LIM	MA	all	2	2	14	14.3	14.3	P			5			P			11			P
11	Scallop Trawl	OPEN	GEN	MA	all	10	10	804	1.2	1.2	P	19	19	890	2.1	2.1	P	6	6	455	1.3	1.3	P
12	Scallop Trawl	OPEN	LIM	MA	all			84			P			36			P			36			P
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									6			P	27	27	9	*	*	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg													54	55	13	*	*	
15	Shrimp Trawl	OPEN	all	MA	all			862			P			944			P			443			P
16	Shrimp Trawl	OPEN	all	NE	all	16	16	2,706	0.6	0.6		10	10	1,453	0.7	0.7		16	16	2,533	0.6	0.6	
17	Floating Trap	OPEN	all	MA	all									21			P			16			P
18	Floating Trap	OPEN	all	NE	all									138			P			111			P
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	15	313	1,960	0.8	16.0		13	218	1,668	0.8	13.1		6	169	1,883	0.3	9.0	P*
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	12	79	839	1.4	9.4		4	78	1,064	0.4	7.3	P*	27	147	1,506	1.8	9.8	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	33	120	2,906	1.1	4.1		47	126	2,419	1.9	5.2		59	103	2,097	2.8	4.9	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	3	3	80	3.8	3.8		2	2	55	3.6	3.6	P			28			P
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	150	326	8,147	1.8	4.0	P	238	378	8,846	2.7	4.3		412	506	9,468	4.4	5.3	
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	173	246	3,679	4.7	6.7		107	155	3,184	3.4	4.9		235	271	3,399	6.9	8.0	
25	Purse Seine	OPEN	all	MA	all	1	1	227	0.4	0.4	P			211			P			214			P
26	Purse Seine	OPEN	all	NE	all	20	22	343	5.8	6.4		26	33	300	8.7	11.0		25	38	216	11.6	17.6	
27	Scallop Dredge	AA	GEN	MA	all	152	152	916	16.6	16.6		116	116	853	13.6	13.6		4	5	75	5.3	6.7	P
28	Scallop Dredge	AA	GEN	NE	all	75	75	190	39.5	39.5		56	56	105	53.3	53.3				3			P
29	Scallop Dredge	AA	LIM	MA	all	70	70	409	17.1	17.1		99	101	392	25.3	25.8		28	28	350	8.0	8.0	
30	Scallop Dredge	AA	LIM	NE	all	127	127	313	40.6	40.6		132	132	214	61.7	61.7		30	30	137	21.9	21.9	
31	Scallop Dredge	OPEN	GEN	MA	all	25	26	8,679	0.3	0.3		31	31	6,177	0.5	0.5		42	42	3,059	1.4	1.4	
32	Scallop Dredge	OPEN	GEN	NE	all	10	10	3,555	0.3	0.3		13	13	1,957	0.7	0.7		15	15	2,328	0.6	0.6	
33	Scallop Dredge	OPEN	LIM	MA	all	49	49	1,343	3.6	3.6		65	65	1,054	6.2	6.2		49	53	1,115	4.4	4.8	
34	Scallop Dredge	OPEN	LIM	NE	all	77	77	1,637	4.7	4.7		69	69	1,082	6.4	6.4		63	63	1,037	6.1	6.1	
35	Mid-water Paired & Single Trawl	OPEN	all	MA	all	1	3	44	2.3	6.8	P	2	2	70	2.9	2.9	P	3	4	25	12.0	16.0	P
36	Mid-water Paired & Single Trawl	OPEN	all	NE	all	46	49	302	15.2	16.2		64	78	313	20.4	24.9		99	125	310	31.9	40.3	
37	Pots and Traps, Fish	OPEN	all	MA	all	2	2	1,283	0.2	0.2	P			1,183			P			1,050			P
38	Pots and Traps, Fish	OPEN	all	NE	all	1	1	848	0.1	0.1	P	3	3	508	0.6	0.6	P	5	5	479	1.0	1.0	P
39	Pots and Traps, Conch	OPEN	all	MA	all		1	641		0.2	P			586			P			751			P
40	Pots and Traps, Conch	OPEN	all	NE	all			679			P			652			P			764			P

Table 2, continued. Number of Northeast Fisheries Observer Program (NEFOP) and Vessel Trip Report (VTR) trips and percentage of observer coverage, by NEFOP data set for fish and invertebrates (FISH) and protected species (PSPP) and fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009) and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates confidential fleets. An "*" indicates NEFOP trips greater than VTR trips. "P" indicates fleets for which pilot coverage was assigned; "P*" indicates fleets that were pilot for NEFOP FISH set only.

						SBRM 2009						SBRM 2010						SBRM 2011					
						NEFOP			% Coverage			NEFOP			% Coverage			NEFOP			% Coverage		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	FISH	PSPP	VTR	FISH	PSPP	Pilot	FISH	PSPP	VTR	FISH	PSPP	Pilot	FISH	PSPP	VTR	FISH	PSPP	Pilot
41	Pots and Traps, Hagfish	OPEN	all	MA	all	3	3	23	13.0	13.0	P			18			P			1			P
42	Pots and Traps, Hagfish	OPEN	all	NE	all	7	7	157	4.5	4.5		12	12	129	9.3	9.3		10	10	89	11.2	11.2	
43	Pots and Traps, Shrimp	OPEN	all	NE	all									122			P			232			P
44	Pots and Traps, Lobster	OPEN	all	MA	all			2,809			P			2,697			P			2,523			P
45	Pots and Traps, Lobster	OPEN	all	NE	all			29,214			P	1	1	27,232	<0.1	<0.1	P			27,994			P
46	Pots and Traps, Crab	OPEN	all	MA	all	1	1	126	0.8	0.8	P	1	1	46	2.2	2.2	P			112			P
47	Pots and Traps, Crab	OPEN	all	NE	all			106			P	1	1	122	0.8	0.8	P			203			P
48	Beam Trawl	OPEN	all	MA	all									230			P			160			P
49	Beam Trawl	OPEN	all	NE	all									118			P			134			P
50	Dredge, Other	OPEN	all	MA	all									261			P			457			P
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all			3,725			P			2,012			P			1,712			P
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all			2,744			P			917			P			1,150			P
				Total for Rows 1 to 52		**2,278**	**2,994**	**114,662**	**2.0**	**2.6**		**2,440**	**3,020**	**100,536**	**2.4**	**3.0**		**2,923**	**3,446**	**99,343**	**2.9**	**3.5**	
53	Hand Line	AA	all	MA	all							1	1		*	*							
54	Scallop Trawl	AA	LIM	NE	all	1	1	3	33.3	33.3		1	1	5	20.0	20.0		1	1	3	33.3	33.3	
55	Scallop Trawl	OPEN	LIM	NE	all			7				1	1	6	16.7	16.7				5			
56	Twin Trawl	OPEN	all	MA	all							2	2		*	*		1	1		*	*	
57	Twin Trawl	OPEN	all	NE	all													1	1		*	*	
58	Troll Line, Other	OPEN	all	MA	all	1	1		*	*													
59	Beach Seine	OPEN	all	MA	all	53	55	1	*	*		6	7		*	*		8	8		*	*	
60	Purse Seine, Menhaden	OPEN	all	MA	all	1	5		*	*		6	7		*	*		3	3		*	*	
61	Purse Seine, Menhaden	OPEN	all	NE	all														1			*	
				Total for Rows 1 to 61		**2,334**	**3,056**	**114,673**	**2.0**	**2.7**		**2,457**	**3,039**	**100,547**	**2.4**	**3.0**		**2,937**	**3,461**	**99,351**	**3.0**	**3.5**	

Table 3. Number of Northeast Fisheries Observer Program (NEFOP) and Vessel Trip Report (VTR) sea days, and percentage of observed coverage, by NEFOP data set for fish and invertebrates (FISH) and protected species (PSPP) and fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009) and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or no NEFOP trips in annual SBRM analyses. Light shading indicates confidential fleets. An "*" indicates NEFOP sea days greater than VTR sea days. "P" indicates fleets for which pilot coverage was assigned; "P*" indicates fleets that were pilot for NEFOP FISH set only.

						SBRM 2009						SBRM 2010						SBRM 2011					
						NEFOP			% Coverage			NEFOP			% Coverage			NEFOP			% Coverage		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	FISH	PSPP	VTR	FISH	PSPP	Pilot	FISH	PSPP	VTR	FISH	PSPP	Pilot	FISH	PSPP	VTR	FISH	PSPP	Pilot
1	Longline	OPEN	all	MA	all	35	35	1,191	2.9	2.9	P			1,216			P			977			P
2	Longline	OPEN	all	NE	all	139	139	1,508	9.2	9.2		179	182	1,250	14.3	14.6		189	189	1,389	13.6	13.6	
3	Hand Line	OPEN	all	MA	all		1	3,980		<0.1	P			3,493			P		8	3,697		0.2	P
4	Hand Line	OPEN	all	NE	all	11	11	2,217	0.5	0.5	P	27	31	2,514	1.1	1.2		18	25	2,451	0.7	1.0	
5	Otter Trawl	OPEN	all	MA	sm	484	489	8,864	5.5	5.5		488	488	8,994	5.4	5.4		786	797	8,164	9.6	9.8	
6	Otter Trawl	OPEN	all	MA	lg	317	323	11,531	2.7	2.8		252	257	12,015	2.1	2.1		512	515	11,469	4.5	4.5	
7	Otter Trawl	OPEN	all	NE	sm	163	163	8,603	1.9	1.9		272	280	7,931	3.4	3.5		726	729	8,342	8.7	8.7	
8	Otter Trawl	OPEN	all	NE	lg	3,597	3,602	27,836	12.9	12.9		4,146	4,147	25,996	15.9	16.0		3,741	3,752	24,804	15.1	15.1	
9	Scallop Trawl	AA	GEN	MA	all	11	11	206	5.3	5.3	P	5	5	168	3.0	3.0	P			215			P
10	Scallop Trawl	AA	LIM	MA	all	9	9	78	11.5	11.5	P			31			P			82			P
11	Scallop Trawl	OPEN	GEN	MA	all	20	20	1,565	1.3	1.3	P	38	38	1,746	2.2	2.2	P	6	6	850	0.7	0.7	P
12	Scallop Trawl	OPEN	LIM	MA	all			617			P			233			P			265			P
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									6			P	201	201	65	*	*	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg													412	421	90	*	*	
15	Shrimp Trawl	OPEN	all	MA	all			3,642			P			4,337			P			2,337			P
16	Shrimp Trawl	OPEN	all	NE	all	16	16	2,793	0.6	0.6		10	10	1,475	0.7	0.7		16	16	2,661	0.6	0.6	
17	Floating Trap	OPEN	all	MA	all									40			P			16			P
18	Floating Trap	OPEN	all	NE	all									138			P			116			P
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	15	320	2,030	0.7	15.8		13	224	1,731	0.8	12.9		6	182	1,964	0.3	9.3	P*
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	13	80	884	1.5	9.0		4	79	1,179	0.3	6.7	P*	27	147	1,646	1.6	8.9	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	35	141	3,945	0.9	3.6		57	146	3,340	1.7	4.4		70	121	2,584	2.7	4.7	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	3	3	80	3.8	3.8		2	2	56	3.6	3.6	P			29			P
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	233	438	9,324	2.5	4.7	P	328	492	10,343	3.2	4.8		523	622	10,671	4.9	5.8	
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	257	388	5,490	4.7	7.1		160	238	4,582	3.5	5.2		319	386	4,874	6.5	7.9	
25	Purse Seine	OPEN	all	MA	all	1	1	252	0.4	0.4	P			254			P			215			P
26	Purse Seine	OPEN	all	NE	all	46	50	759	6.1	6.6		70	94	736	9.5	12.8		78	117	561	13.9	20.9	
27	Scallop Dredge	AA	GEN	MA	all	318	318	1,503	21.2	21.2		267	267	1,538	17.4	17.4		12	15	170	7.1	8.8	P
28	Scallop Dredge	AA	GEN	NE	all	183	183	329	55.6	55.6		125	125	208	60.1	60.1				8			P
29	Scallop Dredge	AA	LIM	MA	all	532	532	3,231	16.5	16.5		839	862	3,041	27.6	28.3		232	232	2,678	8.7	8.7	
30	Scallop Dredge	AA	LIM	NE	all	1,086	1,086	2,578	42.1	42.1		1,267	1,267	1,765	71.8	71.8		317	317	1,417	22.4	22.4	
31	Scallop Dredge	OPEN	GEN	MA	all	39	42	13,504	0.3	0.3		41	41	9,254	0.4	0.4		50	50	4,292	1.2	1.2	
32	Scallop Dredge	OPEN	GEN	NE	all	20	20	5,714	0.4	0.4		23	23	3,218	0.7	0.7		21	21	3,418	0.6	0.6	
33	Scallop Dredge	OPEN	LIM	MA	all	424	424	11,700	3.6	3.6		588	588	9,321	6.3	6.3		449	484	10,189	4.4	4.8	
34	Scallop Dredge	OPEN	LIM	NE	all	918	918	16,769	5.5	5.5		817	817	11,189	7.3	7.3		747	747	11,873	6.3	6.3	
35	Mid-water Paired & Single Trawl	OPEN	all	MA	all	5	11	226	2.2	4.9	P	7	7	291	2.4	2.4	P	10	13	111	9.0	11.7	P
36	Mid-water Paired & Single Trawl	OPEN	all	NE	all	202	216	1,219	16.6	17.7		259	296	1,270	20.4	23.3		377	469	1,174	32.1	39.9	
37	Pots and Traps, Fish	OPEN	all	MA	all	2	2	1,320	0.2	0.2	P			1,221			P			1,083			P
38	Pots and Traps, Fish	OPEN	all	NE	all	1	1	870	0.1	0.1	P	3	3	519	0.6	0.6	P	5	5	496	1.0	1.0	P
39	Pots and Traps, Conch	OPEN	all	MA	all		1	655		0.2	P			588			P			756			P
40	Pots and Traps, Conch	OPEN	all	NE	all			694			P			653			P			765			P

Table 3, continued. Number of Northeast Fisheries Observer Program (NEFOP) and Vessel Trip Report (VTR) sea days, and percentage of observed coverage, by NEFOP data set for fish and invertebrates (FISH) and protected species (PSPP) and fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009) and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or no NEFOP trips in annual SBRM analyses. Light shading indicates confidential fleets. An "*" indicates NEFOP sea days greater than VTR sea days. "P" indicates fleets for which pilot coverage was assigned; "P*" indicates fleets that were pilot for NEFOP FISH set only.

						SBRM 2009						SBRM 2010						SBRM 2011					
						NEFOP			% Coverage			NEFOP			% Coverage			NEFOP			% Coverage		
Row	Gear Type	Area	Category	Region	Group	FISH	PSPP	VTR	FISH	PSPP	Pilot	FISH	PSPP	VTR	FISH	PSPP	Pilot	FISH	PSPP	VTR	FISH	PSPP	Pilot
41	Pots and Traps, Hagfish	OPEN	all	MA	all	23	23	261	8.8	8.8	P			180			P			1			P
42	Pots and Traps, Hagfish	OPEN	all	NE	all	21	21	650	3.2	3.2		50	50	580	8.6	8.6		48	48	424	11.3	11.3	
43	Pots and Traps, Shrimp	OPEN	all	NE	all									122			P			232			P
44	Pots and Traps, Lobster	OPEN	all	MA	all			3,443			P			3,405			P			3,313			P
45	Pots and Traps, Lobster	OPEN	all	NE	all			36,774			P	1	1	34,611	<0.1	<0.1	P			35,617			P
46	Pots and Traps, Crab	OPEN	all	MA	all	4	4	231	1.7	1.7	P	7	7	149	4.7	4.7	P			112			P
47	Pots and Traps, Crab	OPEN	all	NE	all			397			P	10	10	419	2.4	2.4	P			773			P
48	Beam Trawl	OPEN	all	MA	all									540			P			360			P
49	Beam Trawl	OPEN	all	NE	all									164			P			152			P
50	Dredge, Other	OPEN	all	MA	all									280			P			502			P
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all			6,122			P			3,355			P			3,022			P
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all			2,318			P			949			P			1,375			P
				Total for Rows 1 to 52		**9,183**	**10,042**	**207,903**	**4.4**	**4.8**		**10,355**	**11,077**	**182,634**	**5.7**	**6.1**		**9,898**	**10,635**	**174,847**	**5.7**	**6.1**	
53	Hand Line	AA	all	MA	all							11	11		*	*							
54	Scallop Trawl	AA	LIM	NE	all	10	10	31	32.3	32.3		10	10	51	19.6	0.2		5	5	18	27.8	27.8	
55	Scallop Trawl	OPEN	LIM	NE	all			61				7	7	56	12.5	0.1				55			
56	Twin Trawl	OPEN	all	MA	all							11	11		*	*		6	6		*	*	
57	Twin Trawl	OPEN	all	NE	all													8	8		*	*	
58	Troll Line, Other	OPEN	all	MA	all	1	1		*	*													
59	Beach Seine	OPEN	all	MA	all	58	59	1	*	*		9	10		*	*		14	14		*	*	
60	Purse Seine, Menhaden	OPEN	all	MA	all	1	10		*	*		6	9		*	*		3	3		*	*	
61	Purse Seine, Menhaden	OPEN	all	NE	all														7			*	
				Total for Rows 1 to 61		**9,253**	**10,122**	**207,996**	**4.4**	**4.9**		**10,409**	**11,135**	**182,741**	**5.7**	**6.1**		**9,934**	**10,678**	**174,920**	**5.7**	**6.1**	

Table 4. Reported catch weight (kept and discarded, live pounds) on NEFOP trips for each of the 14 SBRM species groups, the 14 SBRM species groups combined, the non-SBRM species, and all species combined, and the number of sea turtle interactions for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009) and SBRM 2011 (July 2009 through June 2010).
(Note: This summary includes data that cannot be classified to a fleet; all species excludes sea turtles, marine mammals, and sea birds.)

	SBRM 2009		SBRM 2010		SBRM 2011	
Species Groups	Kept	Discarded	Kept	Discarded	Kept	Discarded
ATLANTIC SALMON	0	0	9	0		
BLUEFISH	154,814	13,015	130,319	9,291	177,874	21,371
FLUKE-SCUP-BLACK SEA BASS	635,880	468,415	763,238	423,951	1,547,720	625,708
HERRING, ATLANTIC	22,211,454	306,121	42,191,257	383,758	58,452,582	93,879
LARGE MESH GROUNDFISH	9,366,280	1,131,798	11,844,501	1,307,018	12,757,072	1,341,127
MONKFISH	2,377,524	428,666	2,062,848	390,881	1,784,204	281,465
RED CRAB	3,279	123,592	103,396	238,778	4	76,590
SEA SCALLOP	29,142,302	764,808	33,352,886	1,442,055	15,040,333	829,732
SKATE COMPLEX	5,472,014	8,902,135	5,099,171	9,570,035	4,882,452	9,569,955
SMALL MESH GROUNDFISH	261,335	285,722	533,803	322,912	1,289,804	481,094
SPINY DOGFISH	116,917	1,759,149	203,094	1,658,282	593,722	2,076,530
SQUID-BUTTERFISH-MACKEREL	11,505,367	218,220	15,026,458	385,951	9,188,044	454,803
SURFCLAM - OCEAN QUAHOG	64	6,286	15	5,522	24	3,658
TILEFISH	56,329	635	960	404	3,563	1,681
14 SBRM species groups, COMBINED	81,303,558	14,408,561	111,311,956	16,138,837	105,717,398	15,857,593
Non-SBRM species	7,011,935	4,202,133	5,520,306	6,273,895	8,285,197	6,196,882
ALL SPECIES, COMBINED	88,315,493	18,610,694	116,832,262	22,412,732	114,002,595	22,054,475

SEA TURTLES (in numbers)	19	26	57

Table 5A. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: ATLANTIC SALMON

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm									
6	Otter Trawl	OPEN	all	MA	lg									
7	Otter Trawl	OPEN	all	NE	sm									
8	Otter Trawl	OPEN	all	NE	lg									
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg									
16	Shrimp Trawl	OPEN	all	NE	all									
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg				< 1	9.0	0.0			
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg									
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all									
30	Scallop Dredge	AA	LIM	NE	all									
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all									
34	Scallop Dredge	OPEN	LIM	NE	all									
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: ATLANTIC SALMON

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
37	Pots and Traps, Fish	OPEN	all	MA	all									
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total				**< 1**	**9.0**	**0.0**			

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: BLUEFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all							2	0.0	5.0
4	Hand Line	OPEN	all	NE	all				8	6.5	0.0	6	0.0	5.0
5	Otter Trawl	OPEN	all	MA	sm	46	21,665.9	753.8	38	28,038.0	701.1	34	43,846.7	9,128.9
6	Otter Trawl	OPEN	all	MA	lg	28	1,673.5	281.6	20	1,322.4	28.0	22	2,573.8	114.1
7	Otter Trawl	OPEN	all	NE	sm	28	1,298.2	506.9	29	1,555.1	185.5	48	11,995.1	3,387.6
8	Otter Trawl	OPEN	all	NE	lg	14	3,257.4	5,877.2	14	2,253.3	5,981.5	13	7,265.2	4,185.9
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							4	41.0	10.0
16	Shrimp Trawl	OPEN	all	NE	all									
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	53	57,906.0	124.5	56	29,180.6	0.8	47	47,330.3	6.8
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	53	53,968.0	23.0	49	56,192.5	0.0	27	52,759.1	16.0
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	7	73.7	36.5	13	221.5	321.3	25	642.0	584.7
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	100	14.0	0.0	100	109.2	0.0			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	13	8,577.0	147.8	9	7,053.0	1,320.5	10	7,848.8	640.9
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	29	1,662.4	4,325.3	13	184.4	604.4	11	122.3	167.7
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all									
30	Scallop Dredge	AA	LIM	NE	all							3	0.0	2.0
31	Scallop Dredge	OPEN	GEN	MA	all				3	0.0	1.0			
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all									
34	Scallop Dredge	OPEN	LIM	NE	all	1	0.0	10.0				3	0.0	18.0
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	4	295.0	505.6				2	0.0	82.0
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: BLUEFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all				50	0.0	22.0			
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all	9	450.0	0.0	100	2,263.0	0.0	88	1,366.0	0.0
					Total	**19**	**150,841.1**	**12,592.2**	**16**	**128,379.5**	**9,166.1**	**19**	**175,790.4**	**18,354.6**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: FLUKE - SCUP - BLACK SEA BASS

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all							2	23.0	16.8
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	90	329,610.5	95,939.3	84	400,875.7	73,322.8	91	684,309.6	141,683.2
6	Otter Trawl	OPEN	all	MA	lg	91	202,089.3	18,667.1	95	217,370.2	15,113.0	99	561,626.6	41,238.4
7	Otter Trawl	OPEN	all	NE	sm	60	15,924.4	23,821.5	74	29,769.9	82,826.1	80	137,294.7	167,604.2
8	Otter Trawl	OPEN	all	NE	lg	48	52,919.9	217,422.5	39	67,846.1	124,206.3	44	101,081.1	202,786.1
9	Scallop Trawl	AA	GEN	MA	all	40	0.0	158.5	100	12.5	276.1			
10	Scallop Trawl	AA	LIM	MA	all	50	62.5	212.7						
11	Scallop Trawl	OPEN	GEN	MA	all	70	173.5	55.2	47	132.8	1,493.7	100	319.1	22.4
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							30	122.2	33.0
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							25	765.6	948.7
16	Shrimp Trawl	OPEN	all	NE	all							6	0.0	0.5
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	7	60.8	2.3	6	32.6	2.0	3	6.6	13.5
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	34	1,175.1	0.0	27	614.3	0.0	12	151.2	0.0
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	23	876.2	151.0	31	731.9	334.8	37	1,330.6	1,171.6
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	100	783.0	3.0	100	380.0	0.0			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	10	6,280.3	414.8	6	850.6	147.0	3	452.2	24.4
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	27	1,240.9	2,675.7	21	1,548.4	4,046.4	20	1,023.8	4,133.6
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	47	104.1	1,690.7	72	379.6	1,698.3	60	0.0	158.0
28	Scallop Dredge	AA	GEN	NE	all	59	50.0	516.3	18	0.0	92.5			
29	Scallop Dredge	AA	LIM	MA	all	76	645.5	7,719.5	62	2,756.8	17,548.6	79	770.9	8,905.1
30	Scallop Dredge	AA	LIM	NE	all	83	74.3	25,985.0	72	95.7	37,731.9	87	13.6	16,624.9
31	Scallop Dredge	OPEN	GEN	MA	all	50	187.3	600.8	65	77.9	200.0	62	179.7	257.9
32	Scallop Dredge	OPEN	GEN	NE	all	20	0.0	96.0	31	0.0	195.5	7	0.0	292.0
33	Scallop Dredge	OPEN	LIM	MA	all	82	1,093.8	11,149.1	72	1,664.9	13,788.1	59	173.0	5,128.4
34	Scallop Dredge	OPEN	LIM	NE	all	82	282.5	32,313.2	86	124.0	22,062.6	75	70.7	23,612.7
35	Mid-water paired & single Trawl	OPEN	all	MA	all	33	0.0	968.0						
36	Mid-water paired & single Trawl	OPEN	all	NE	all	8	156.3	411.0	4	1,407.0	817.0	2	2,141.0	0.0
37	Pots and Traps, Fish	OPEN	all	MA	all	100	2,240.0	883.0						

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: FLUKE - SCUP - BLACK SEA BASS

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all	100	375.0	290.5	100	763.0	461.7	17	63.0	0.0
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	3.0	4.0						
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	0.8			
56	Twin Trawl	OPEN	all	MA	all				100	0.0	86.1			
57	Twin Trawl	OPEN	all	NE	all							100	325.0	1,155.5
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all	2	2.0	0.0	14	0.0	0.4	13	1.5	0.0
					Total	**43**	**616,410.2**	**442,150.7**	**40**	**727,433.9**	**396,451.7**	**41**	**1,492,244.7**	**615,810.9**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: HERRING, ATLANTIC

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all				1	0.0	1.0			
4	Hand Line	OPEN	all	NE	all							6	2.5	0.0
5	Otter Trawl	OPEN	all	MA	sm	4	106.0	71.2	5	0.0	1,767.0	9	2,800.0	12,996.5
6	Otter Trawl	OPEN	all	MA	lg	1	0.0	0.5	2	0.0	4.1	1	0.0	8.4
7	Otter Trawl	OPEN	all	NE	sm	37	70,065.0	10,249.7	27	385,045.0	13,077.9	23	198,637.5	20,992.7
8	Otter Trawl	OPEN	all	NE	lg	16	54.9	2,296.2	18	97.4	1,808.4	20	64.1	4,450.6
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							48	0.0	305.1
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							27	0.2	184.3
16	Shrimp Trawl	OPEN	all	NE	all	88	0.0	87.1	80	239.0	158.2	56	0.0	370.0
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	1	370.0	0.0	< 1	1.5	0.0			
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	1	0.0	0.3						
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	10	320.5	326.6	9	217.5	115.7	7	151.9	140.2
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	1	8.0	0.0	3	35.5	8.0	1	25.0	0.1
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all	95	3,804,644.0	56,856.0	91	7,292,690.0	272,296.2	84	7,814,109.0	302.0
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all				1	2.5	0.0			
30	Scallop Dredge	AA	LIM	NE	all				3	0.0	3.8			
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all	2	0.0	1.0	2	0.0	0.5			
34	Scallop Dredge	OPEN	LIM	NE	all	3	0.0	1.0				3	0.0	1.5
35	Mid-water paired & single Trawl	OPEN	all	MA	all	100	100,132.0	40.0	50	349,303.0	0.0	75	253,301.0	0.5
36	Mid-water paired & single Trawl	OPEN	all	NE	all	94	18,163,848.0	235,796.0	94	34,162,023.0	94,118.7	98	50,087,158.5	51,975.6
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: HERRING, ATLANTIC

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**9**	**22,139,548.4**	**305,725.6**	**12**	**42,189,654.4**	**383,359.5**	**15**	**58,356,249.7**	**91,727.5**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: LARGE MESH GROUNDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all	33	8.0	0.0						
2	Longline	OPEN	all	NE	all	91	240,983.7	26,993.2	94	389,745.1	25,929.9	83	275,987.9	16,771.9
4	Hand Line	OPEN	all	NE	all	100	1,476.6	48.3	92	3,048.7	381.7	75	1,851.8	286.2
5	Otter Trawl	OPEN	all	MA	sm	75	2,512.8	11,275.6	61	2,705.0	11,951.9	71	5,336.5	25,009.7
6	Otter Trawl	OPEN	all	MA	lg	87	105,566.1	26,405.7	84	19,309.1	13,236.5	78	1,929.7	19,202.0
7	Otter Trawl	OPEN	all	NE	sm	87	9,337.6	28,310.1	76	27,643.1	20,086.4	87	7,468.9	50,376.0
8	Otter Trawl	OPEN	all	NE	lg	99	7,725,339.2	825,489.0	99	10,373,674.9	1,037,722.6	99	8,919,220.5	1,019,158.3
9	Scallop Trawl	AA	GEN	MA	all				50	0.0	7.0			
10	Scallop Trawl	AA	LIM	MA	all	50	0.0	3.0						
11	Scallop Trawl	OPEN	GEN	MA	all	80	98.0	20.0	89	290.0	724.9	83	0.0	744.3
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							100	466,665.7	11,792.5
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							100	1,552,956.6	62,816.1
16	Shrimp Trawl	OPEN	all	NE	all	100	0.0	683.3	100	0.0	760.8	100	0.0	855.9
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	2	0.0	8.9	< 1	20.0	0.0	1	0.9	0.5
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	6	25.0	15.2	3	0.0	42.0	3	22.0	19.5
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg				2	6.3	0.0	5	26.0	1.8
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	94	780,714.2	24,120.1	95	689,434.0	24,778.8	96	815,147.3	40,604.3
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	54	18,982.4	2,649.2	51	19,959.6	1,897.6	67	77,599.8	5,311.5
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all							5	0.0	71.0
27	Scallop Dredge	AA	GEN	MA	all	35	0.0	269.4	22	0.0	66.5	20	0.0	2.0
28	Scallop Dredge	AA	GEN	NE	all	85	19.0	803.8	91	1.8	555.9			
29	Scallop Dredge	AA	LIM	MA	all	64	22.0	2,276.1	56	25.5	5,965.9	57	0.0	353.4
30	Scallop Dredge	AA	LIM	NE	all	83	360.9	22,100.3	77	2,283.4	32,808.8	70	0.0	2,874.1
31	Scallop Dredge	OPEN	GEN	MA	all	65	0.0	938.4	68	0.0	455.7	86	1.0	322.1
32	Scallop Dredge	OPEN	GEN	NE	all	90	0.7	416.8	85	17.0	757.8	80	0.0	245.5
33	Scallop Dredge	OPEN	LIM	MA	all	92	26.2	5,512.8	91	42.2	5,651.1	80	26.0	8,125.0
34	Scallop Dredge	OPEN	LIM	NE	all	100	1,791.5	68,155.4	99	1,398.4	55,329.1	100	442.2	35,679.2
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	20	10,929.5	693.5	26	12,325.0	35,262.7	58	111,861.2	6,374.1
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: LARGE MESH GROUNDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all							33	19.3	0.0
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all	14	0.0	0.2						
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all				100	0.0	0.3			
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	0.0	1.0						
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	8.9			
56	Twin Trawl	OPEN	all	MA	all				50	0.0	0.7	100	0.0	35.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	81.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all				14	0.0	0.2			
					Total	**66**	**8,898,193.4**	**1,047,189.3**	**69**	**11,541,929.0**	**1,274,383.7**	**75**	**12,236,563.5**	**1,307,112.8**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: MONKFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all	33	7.0	73.0						
2	Longline	OPEN	all	NE	all	26	346.8	19.0	10	144.2	1.0	6	127.5	8.0
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	45	11,107.8	11,213.1	47	7,295.2	2,442.0	50	12,564.4	13,012.0
6	Otter Trawl	OPEN	all	MA	lg	48	23,101.8	2,429.7	44	5,933.2	453.6	44	20,365.4	8,974.6
7	Otter Trawl	OPEN	all	NE	sm	57	5,478.7	2,174.6	35	10,522.2	1,200.2	44	8,808.2	6,598.6
8	Otter Trawl	OPEN	all	NE	lg	87	1,481,242.4	97,482.9	77	1,404,158.7	122,530.8	79	1,184,428.1	92,089.8
9	Scallop Trawl	AA	GEN	MA	all	100	90.0	123.5	100	0.0	33.2			
10	Scallop Trawl	AA	LIM	MA	all	50	0.0	61.0						
11	Scallop Trawl	OPEN	GEN	MA	all	100	561.0	6.5	84	875.8	191.9	67	699.9	305.7
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							52	732.2	329.0
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							65	22,400.1	1,279.7
16	Shrimp Trawl	OPEN	all	NE	all	19	0.0	24.1	70	0.0	24.5	19	0.0	1.1
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm				< 1	15.0	0.0			
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	3	1,119.0	0.0	3	36.0	31.6	1	0.0	16.0
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	87	221,794.9	1,991.0	87	198,593.7	5,682.5	79	109,085.7	4,854.0
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	52	10,081.6	401.8	40	7,533.9	252.0	55	12,695.9	981.4
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	92	257,793.5	13,475.7	86	152,471.5	6,150.5	84	247,225.0	10,454.7
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all				3	0.0	3.0	3	0.0	12.0
27	Scallop Dredge	AA	GEN	MA	all	89	2,785.3	6,155.3	86	1,359.6	2,659.3	80	97.0	474.0
28	Scallop Dredge	AA	GEN	NE	all	99	167.0	5,655.8	98	19.0	3,181.3			
29	Scallop Dredge	AA	LIM	MA	all	100	6,349.5	32,277.8	95	12,726.5	26,106.3	100	7,824.1	14,219.6
30	Scallop Dredge	AA	LIM	NE	all	99	39,957.2	107,329.0	100	39,064.7	81,552.3	97	10,140.7	29,674.0
31	Scallop Dredge	OPEN	GEN	MA	all	88	3,242.0	894.3	81	1,409.3	303.9	88	1,433.8	502.0
32	Scallop Dredge	OPEN	GEN	NE	all	70	153.0	522.7	100	560.0	766.6	40	388.0	409.4
33	Scallop Dredge	OPEN	LIM	MA	all	98	35,477.8	42,440.3	95	34,246.7	22,468.4	88	18,548.1	25,926.7
34	Scallop Dredge	OPEN	LIM	NE	all	97	147,596.7	83,183.1	100	123,522.2	105,393.6	98	61,066.4	66,061.1
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	8	6.0	39.7	3	11.0	2.5	7	18.0	67.7
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: MONKFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	0.0	311.0	100	0.0	12.9	100	125.0	200.8
55	Scallop Trawl	OPEN	LIM	NE	all				100	539.0	916.0			
56	Twin Trawl	OPEN	all	MA	all							100	38.0	2.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	75.5
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**63**	**2,248,459.1**	**408,284.9**	**60**	**2,001,037.3**	**382,359.9**	**56**	**1,718,811.5**	**276,529.4**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: RED CRAB

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm				1	0.0	2.1	2	0.0	2,168.0
6	Otter Trawl	OPEN	all	MA	lg	2	0.0	3,117.5	1	0.0	0.7	1	0.0	11.0
7	Otter Trawl	OPEN	all	NE	sm				2	0.0	43.4	2	0.0	33.5
8	Otter Trawl	OPEN	all	NE	lg	30	4.0	60,227.4	24	2,759.0	113,436.8	18	0.0	68,199.3
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							11	4.0	58.9
16	Shrimp Trawl	OPEN	all	NE	all				10	0.0	1.0			
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm				1	0.0	0.3			
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	< 1	0.0	1.0	1	7.0	22.5	1	0.0	7.6
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg				1	0.0	1.0	1	0.0	4.7
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all	1	0.0	0.5						
29	Scallop Dredge	AA	LIM	MA	all									
30	Scallop Dredge	AA	LIM	NE	all	1	0.0	3.0						
31	Scallop Dredge	OPEN	GEN	MA	all							2	0.0	0.5
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all							2	0.0	10.0
34	Scallop Dredge	OPEN	LIM	NE	all	1	0.0	0.2	3	0.0	14.4	2	0.0	0.5
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all									
37	Pots and Traps, Fish	OPEN	all	MA	all	50	0.0	20.0						

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: RED CRAB

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all	100	3,275.0	1,811.0	100	14,037.0	24,790.0			
47	Pots and Traps, Crab	OPEN	all	NE	all				100	86,593.4	100,030.0			
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**7**	**3,279.0**	**65,180.6**	**7**	**103,396.4**	**238,342.2**	**6**	**4.0**	**70,494.0**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: SEA SCALLOP

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	7	0.0	11.2	5	6.0	3.5	12	32.8	149.5
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	13	2,374.0	10,831.9	17	1,205.0	20,393.7	19	1,837.4	22,070.5
6	Otter Trawl	OPEN	all	MA	lg	15	5,783.1	13,576.1	20	1,834.4	2,519.1	22	4,220.2	16,863.5
7	Otter Trawl	OPEN	all	NE	sm	22	744.7	239.1	10	168.0	53.7	15	3,962.3	11,369.3
8	Otter Trawl	OPEN	all	NE	lg	44	106,013.9	12,857.8	37	68,091.2	25,781.5	31	22,448.2	16,690.2
9	Scallop Trawl	AA	GEN	MA	all	100	39,684.1	4,150.9	100	11,345.5	6,752.4			
10	Scallop Trawl	AA	LIM	MA	all	100	17,934.5	1,440.0						
11	Scallop Trawl	OPEN	GEN	MA	all	100	24,952.4	759.0	100	50,038.8	2,987.0	100	13,405.2	1,321.0
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							7	8.0	7.0
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							20	107.2	46.9
16	Shrimp Trawl	OPEN	all	NE	all	13	0.0	1.1	40	0.0	15.3	19	0.0	4.6
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	3	0.0	25.5	7	23.8	89.5	5	117.5	1.6
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	1	1.0	0.8	< 1	250.0	0.0	1	0.3	68.5
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	13	176.1	17.9	10	194.0	292.5	10	121.0	16.6
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all				3	0.0	0.3			
27	Scallop Dredge	AA	GEN	MA	all	100	1,543,690.0	45,505.3	100	1,141,276.7	88,126.1	100	51,179.5	8,053.1
28	Scallop Dredge	AA	GEN	NE	all	100	764,780.6	42,755.6	100	578,485.2	53,643.4			
29	Scallop Dredge	AA	LIM	MA	all	100	5,880,950.0	88,357.7	100	8,447,377.0	224,937.7	100	1,644,999.3	33,681.4
30	Scallop Dredge	AA	LIM	NE	all	100	12,852,258.4	347,795.9	100	13,231,191.6	730,245.6	100	2,290,851.6	124,797.5
31	Scallop Dredge	OPEN	GEN	MA	all	100	86,014.9	1,097.7	100	109,820.8	8,364.1	98	177,768.9	18,979.5
32	Scallop Dredge	OPEN	GEN	NE	all	100	44,289.1	415.8	100	29,670.5	751.5	100	77,453.8	9,688.4
33	Scallop Dredge	OPEN	LIM	MA	all	100	1,899,410.3	37,139.1	95	3,138,885.8	85,966.4	90	3,021,192.1	34,656.4
34	Scallop Dredge	OPEN	LIM	NE	all	100	5,725,991.2	156,656.8	100	6,409,150.7	188,371.6	100	7,719,980.4	529,604.2
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all							2	9.5	0.0
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in non-consecutive row numbers.

Species Group: SEA SCALLOP

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	142,792.9	0.0	100	83,041.8	0.0	100	2,614.0	0.0
55	Scallop Trawl	OPEN	LIM	NE	all				100	50,396.8	520.0			
56	Twin Trawl	OPEN	all	MA	all							100	0.0	335.5
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**34**	**29,137,841.3**	**763,635.2**	**34**	**33,352,453.6**	**1,439,815.2**	**56**	**15,032,309.2**	**828,405.1**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SKATE COMPLEX

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all	33	0.0	1,189.0						
2	Longline	OPEN	all	NE	all	79	3,106.2	29,921.0	90	2,691.6	35,852.0	60	269.3	90,700.8
4	Hand Line	OPEN	all	NE	all				8	0.0	147.0			
5	Otter Trawl	OPEN	all	MA	sm	90	30,958.8	258,443.7	89	54,768.5	180,450.6	90	30,577.7	287,612.1
6	Otter Trawl	OPEN	all	MA	lg	99	78,234.1	400,094.6	98	75,674.8	349,065.4	99	76,089.3	387,403.3
7	Otter Trawl	OPEN	all	NE	sm	78	102,321.6	61,740.6	71	18,907.6	75,317.7	73	2,425.3	143,353.1
8	Otter Trawl	OPEN	all	NE	lg	98	3,799,661.3	6,122,752.1	97	4,113,467.7	7,149,156.2	94	3,080,057.5	6,754,909.1
9	Scallop Trawl	AA	GEN	MA	all	100	0.0	1,251.0	100	0.0	570.2			
10	Scallop Trawl	AA	LIM	MA	all	100	0.0	1,463.0						
11	Scallop Trawl	OPEN	GEN	MA	all	100	75.0	9,185.5	100	327.0	51,616.5	100	761.1	9,258.0
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							100	34,070.3	107,944.3
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							100	134,092.2	461,796.5
16	Shrimp Trawl	OPEN	all	NE	all	31	0.0	46.0	60	0.0	20.0	13	0.0	3.4
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	2	227.0	82.8				1	0.0	6.0
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	15	1,056.3	151.9	5	13.0	100.8	12	23.5	288.5
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	64	39,699.6	7,166.7	75	97,199.7	11,056.1	82	154,148.6	15,353.8
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	33	0.0	41.0						
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	35	5,838.5	6,201.5	41	2,170.1	4,462.7	47	20,883.6	11,305.0
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	87	1,036,497.9	91,685.3	81	585,274.6	50,189.8	87	1,165,895.7	109,170.3
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all				3	0.0	11.0			
27	Scallop Dredge	AA	GEN	MA	all	98	0.0	29,736.7	88	12.0	12,374.8	80	0.0	975.0
28	Scallop Dredge	AA	GEN	NE	all	97	0.0	8,156.1	98	0.0	6,955.1			
29	Scallop Dredge	AA	LIM	MA	all	100	0.0	109,009.6	98	0.0	166,487.1	100	14.0	71,357.1
30	Scallop Dredge	AA	LIM	NE	all	100	462.0	290,652.5	100	36.0	259,319.2	100	0.0	89,956.5
31	Scallop Dredge	OPEN	GEN	MA	all	96	107.5	16,325.1	100	98.4	10,046.4	95	578.5	12,119.8
32	Scallop Dredge	OPEN	GEN	NE	all	90	0.0	6,998.2	100	0.0	7,321.5	93	0.0	5,354.3
33	Scallop Dredge	OPEN	LIM	MA	all	100	0.0	299,997.9	95	169.0	326,568.6	90	85.2	168,290.0
34	Scallop Dredge	OPEN	LIM	NE	all	100	589.0	742,549.9	99	661.0	644,924.7	100	15.0	539,977.1
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	6	0.0	18.1	1	0.0	6.0	2	24.0	39.0
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SKATE COMPLEX

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all				33	0.0	1.8			
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	0.0	2,609.0	100	0.0	255.0	100	0.0	1,110.0
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	3,698.0			
56	Twin Trawl	OPEN	all	MA	all				50	0.0	209.0	100	0.0	18.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	559.5
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all	24	0.0	258.0	43	0.0	107.0	25	0.0	84.0
					Total	**72**	**5,098,834.9**	**8,497,726.8**	**74**	**4,951,471.0**	**9,346,290.2**	**71**	**4,700,010.8**	**9,268,944.5**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SMALL MESH GROUNDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all	67	0.0	357.5						
2	Longline	OPEN	all	NE	all	30	4.0	385.0	31	8.3	1,060.1	19	76.7	255.8
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	34	65,940.2	18,806.9	45	147,503.3	37,995.1	45	272,006.0	65,376.1
6	Otter Trawl	OPEN	all	MA	lg	23	490.3	253.1	25	29,385.3	4,688.7	17	204.5	712.5
7	Otter Trawl	OPEN	all	NE	sm	72	138,154.9	196,056.4	50	253,088.3	90,924.4	69	939,609.9	293,563.6
8	Otter Trawl	OPEN	all	NE	lg	58	3,224.1	43,262.2	58	5,601.7	53,359.0	63	11,323.2	71,016.6
9	Scallop Trawl	AA	GEN	MA	all	40	0.0	12.0	50	0.0	0.3			
10	Scallop Trawl	AA	LIM	MA	all	100	0.0	3.0						
11	Scallop Trawl	OPEN	GEN	MA	all	20	12.0	0.5	32	0.5	45.2	67	128.9	179.1
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							59	317.0	1,535.8
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							62	529.2	2,295.8
16	Shrimp Trawl	OPEN	all	NE	all	100	0.0	877.6	100	0.0	1,302.4	88	500.0	2,276.3
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg				1	0.0	2.6			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg				4	3.2	1.7	1	5.0	0.0
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	19	277.8	493.6	28	405.0	503.0	37	2,309.9	1,476.8
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	7	33.8	20.2	7	17.0	20.5	14	85.3	30.6
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all	5	0.0	20.0	24	4,278.0	0.0	29	3,458.6	1.0
27	Scallop Dredge	AA	GEN	MA	all	27	0.0	116.0	19	0.0	70.7	40	0.0	21.5
28	Scallop Dredge	AA	GEN	NE	all	53	0.0	353.2	52	0.0	167.0			
29	Scallop Dredge	AA	LIM	MA	all	46	0.0	617.6	45	1.0	2,134.4	39	0.0	199.0
30	Scallop Dredge	AA	LIM	NE	all	61	0.0	4,651.8	64	0.0	5,751.2	63	0.0	484.5
31	Scallop Dredge	OPEN	GEN	MA	all	19	0.0	15.7	35	0.0	35.8	24	1.5	52.9
32	Scallop Dredge	OPEN	GEN	NE	all	20	0.0	5.6	23	0.0	0.9	33	0.0	19.1
33	Scallop Dredge	OPEN	LIM	MA	all	55	5.3	180.0	63	124.5	505.8	51	0.0	1,125.7
34	Scallop Dredge	OPEN	LIM	NE	all	62	11.5	2,346.3	72	34.3	8,509.1	62	165.0	5,137.5
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	37	6,177.0	1,063.2	27	14,347.8	62,404.6	41	15,999.0	1,038.4
37	Pots and Traps, Fish	OPEN	all	MA	all	50	4.0	0.0						

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SMALL MESH GROUNDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all	29	0.0	1.3	8	0.0	3.1			
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	0.0	11.0				100	0.0	18.0
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	45.4			
56	Twin Trawl	OPEN	all	MA	all				50	0.0	1,242.4	100	18,257.0	5,023.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	7,714.5
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**33**	**214,334.9**	**269,909.7**	**38**	**454,798.2**	**270,773.4**	**41**	**1,264,976.7**	**459,554.1**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SPINY DOGFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all	67	0.0	4,926.0						
2	Longline	OPEN	all	NE	all	92	15,289.3	164,698.2	81	3,998.0	45,263.3	64	54,770.5	108,088.6
4	Hand Line	OPEN	all	NE	all	33	0.0	31.6	8	0.0	80.0	25	62.0	0.0
5	Otter Trawl	OPEN	all	MA	sm	56	751.0	277,093.1	72	3,089.0	398,539.5	55	29,726.4	320,666.3
6	Otter Trawl	OPEN	all	MA	lg	45	1,782.0	43,838.8	54	368.0	53,653.9	46	11,787.5	137,931.0
7	Otter Trawl	OPEN	all	NE	sm	69	8,116.0	45,784.9	47	13,848.0	68,074.6	64	45,811.0	211,876.5
8	Otter Trawl	OPEN	all	NE	lg	85	5,908.2	781,812.9	72	8,030.2	621,576.9	76	18,364.6	479,699.7
9	Scallop Trawl	AA	GEN	MA	all	60	0.0	144.3	100	0.0	6,353.6			
10	Scallop Trawl	AA	LIM	MA	all	50	0.0	530.0						
11	Scallop Trawl	OPEN	GEN	MA	all	70	784.0	670.0	21	28.0	2,527.8	67	0.0	606.0
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							56	0.0	7,035.1
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							84	436.0	70,319.1
16	Shrimp Trawl	OPEN	all	NE	all				30	0.0	23.0	25	0.0	43.1
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	2	7,980.0	2,473.0	6	5,373.0	425.5	8	15,636.0	185.2
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	24	25,371.5	5,947.5	50	60,454.0	387.3	33	78,409.0	2,750.7
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	23	666.7	4,829.0	29	3,332.7	5,670.7	33	526.0	3,047.4
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	67	7.5	6.0						
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	44	34,685.0	176,638.3	43	67,524.9	164,567.0	78	263,540.0	380,971.7
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	66	9,502.2	44,888.0	63	8,483.6	23,063.8	76	19,532.2	8,876.2
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all	64	2,564.0	4,846.4	42	10,283.0	6,596.0	39	13,029.0	19,800.0
27	Scallop Dredge	AA	GEN	MA	all	11	0.0	283.1	49	0.0	1,767.3	40	0.0	232.0
28	Scallop Dredge	AA	GEN	NE	all	15	0.0	69.5	9	0.0	46.9			
29	Scallop Dredge	AA	LIM	MA	all	57	0.0	10,877.4	50	0.0	15,784.9	61	0.0	2,101.0
30	Scallop Dredge	AA	LIM	NE	all	65	0.0	9,181.2	70	0.0	23,952.0	80	0.0	5,732.7
31	Scallop Dredge	OPEN	GEN	MA	all	19	0.0	82.8	26	0.0	75.5	14	0.0	80.5
32	Scallop Dredge	OPEN	GEN	NE	all				38	0.0	138.4	13	0.0	428.9
33	Scallop Dredge	OPEN	LIM	MA	all	63	4.0	6,698.2	60	0.0	14,099.0	35	0.0	1,782.9
34	Scallop Dredge	OPEN	LIM	NE	all	74	0.0	9,164.8	67	0.0	9,320.8	78	0.0	5,471.6
35	Mid-water paired & single Trawl	OPEN	all	MA	all	67	0.0	16,609.0	50	0.0	300.0	50	0.0	105.0
36	Mid-water paired & single Trawl	OPEN	all	NE	all	61	0.0	75,481.0	58	10,411.0	98,049.1	51	14,153.0	212,925.8
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SPINY DOGFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all				100	0.0	1.0			
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	0.0	663.0						
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	5.0			
56	Twin Trawl	OPEN	all	MA	all				50	0.0	287.0	100	0.0	1.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	11,847.5
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all	57	0.0	6,795.5	14	0.0	5.0	25	0.0	136.5
					Total	**34**	**113,411.4**	**1,695,063.6**	**33**	**195,223.4**	**1,560,634.8**	**22**	**565,783.2**	**1,992,742.0**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SQUID - BUTTERFISH - MACKEREL

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	81	1,730,650.5	25,857.1	79	2,167,909.0	190,918.3	75	2,344,953.8	143,101.1
6	Otter Trawl	OPEN	all	MA	lg	44	1,165.3	936.5	48	2,385.8	281.8	42	508.3	540.1
7	Otter Trawl	OPEN	all	NE	sm	79	1,047,719.0	88,599.1	92	2,135,005.0	77,973.4	97	4,323,145.3	213,334.9
8	Otter Trawl	OPEN	all	NE	lg	41	469.3	7,820.0	40	3,011.1	14,363.8	51	3,232.1	15,328.6
9	Scallop Trawl	AA	GEN	MA	all				50	0.0	2.8			
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all	30	13.0	0.0	37	8.0	10.5	50	2.8	10.3
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							70	13.0	1,570.2
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							56	15.3	1,002.4
16	Shrimp Trawl	OPEN	all	NE	all				40	0.0	9.0	44	10.0	50.9
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	20	1,397.2	0.0	26	1,760.7	0.0	25	1,826.9	0.6
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	3	0.4	0.5	3	0.5	0.2			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	1	0.0	0.1	1	0.0	1.1	1	50.0	0.0
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	4	92.3	4.3	10	122.7	65.0	11	150.7	108.3
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	5	404.7	9.4	5	37.7	2.7	7	275.2	47.2
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all	36	1,534.0	84.0	24	2,734.0	0.4	34	7,022.0	2.5
27	Scallop Dredge	AA	GEN	MA	all	7	0.3	8.3	5	0.0	7.7	20	0.0	34.0
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all	21	3.5	14.8	47	17.9	208.9	32	2.1	8.8
30	Scallop Dredge	AA	LIM	NE	all	18	0.0	60.5	35	6.3	171.9	50	0.0	44.0
31	Scallop Dredge	OPEN	GEN	MA	all	15	3.3	1.4	26	31.0	12.0	14	0.3	6.2
32	Scallop Dredge	OPEN	GEN	NE	all	10	0.0	4.0				7	0.0	0.2
33	Scallop Dredge	OPEN	LIM	MA	all	47	0.6	52.8	48	33.3	156.5	37	30.7	76.2
34	Scallop Dredge	OPEN	LIM	NE	all	26	13.3	45.4	38	22.6	75.1	33	0.0	116.6
35	Mid-water paired & single Trawl	OPEN	all	MA	all	100	151,938.0	30.0	50	620,000.0	0.0	75	216,139.0	0.4
36	Mid-water paired & single Trawl	OPEN	all	NE	all	82	7,930,982.0	82,753.0	76	9,904,596.9	60,981.8	74	1,773,123.8	2,803.5
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SQUID - BUTTERFISH - MACKEREL

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all	14	0.0	0.1						
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all				100	0.0	4.3	100	0.0	0.1
55	Scallop Trawl	OPEN	LIM	NE	all				100	1.0	1.6			
56	Twin Trawl	OPEN	all	MA	all				50	86,830.0	13,294.5	100	868.0	1,004.0
57	Twin Trawl	OPEN	all	NE	all							100	56,388.0	23,385.5
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all	4	0.0	26.0	29	3.3	0.0	13	1.0	0.0
					Total	**27**	**10,866,386.7**	**206,307.3**	**33**	**14,924,516.8**	**358,543.3**	**22**	**8,727,758.3**	**402,576.6**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SURFCLAM - OCEAN QUAHOG

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	2	0.5	0.6						
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	2	0.0	308.0	3	15.0	106.0	2	14.8	113.0
6	Otter Trawl	OPEN	all	MA	lg	8	0.0	364.0	3	0.0	89.0	2	1.2	14.3
7	Otter Trawl	OPEN	all	NE	sm	4	0.0	9.5	1	0.0	130.0	2	0.0	38.0
8	Otter Trawl	OPEN	all	NE	lg	5	63.0	1,689.6	2	0.0	393.1	2	8.0	875.5
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all	10	0.0	3.0						
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							2	0.0	27.0
16	Shrimp Trawl	OPEN	all	NE	all									
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm							1	0.0	0.1
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg									
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	< 1	0.0	0.1						
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	1	0.0	5.0	1	0.0	7.0			
28	Scallop Dredge	AA	GEN	NE	all	3	0.0	69.0	2	0.0	9.0			
29	Scallop Dredge	AA	LIM	MA	all	6	0.0	8.3	6	0.0	311.0	4	0.0	8.0
30	Scallop Dredge	AA	LIM	NE	all	7	0.0	509.5	5	0.0	635.5	10	0.0	41.5
31	Scallop Dredge	OPEN	GEN	MA	all	8	0.0	5.0	3	0.0	77.0	12	0.0	10.0
32	Scallop Dredge	OPEN	GEN	NE	all				8	0.0	2.0			
33	Scallop Dredge	OPEN	LIM	MA	all	10	0.0	374.8	5	0.0	2,510.0	2	0.0	17.0
34	Scallop Dredge	OPEN	LIM	NE	all	16	0.0	2,810.6	3	0.0	1,251.9	11	0.0	2,506.3
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all									
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: SURFCLAM - OCEAN QUAHOG

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**3**	**63.5**	**6,157.0**	**2**	**15.0**	**5,521.5**	**41**	**24.0**	**3,650.7**

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: TILEFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all	100	55,051.0	0.0						
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	7	648.3	379.0	5	514.7	129.0	8	1,010.9	415.9
6	Otter Trawl	OPEN	all	MA	lg	1	11.0	0.0				3	184.0	176.2
7	Otter Trawl	OPEN	all	NE	sm	6	40.0	199.0	8	329.6	172.5	10	1,132.7	300.5
8	Otter Trawl	OPEN	all	NE	lg	1	228.6	6.0	1	80.5	24.0	2	428.3	451.8
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg									
16	Shrimp Trawl	OPEN	all	NE	all									
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	1	25.0	0.0						
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg							< 1	24.0	0.0
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	2	128.5	16.7	3	0.0	49.0	2	83.4	46.8
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all									
30	Scallop Dredge	AA	LIM	NE	all									
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all									
34	Scallop Dredge	OPEN	LIM	NE	all									
35	Mid-water paired & single Trawl	OPEN	all	MA	all									

Table 5A, continued. Percentage of NEFOP trips which encountered each species group and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species Group: TILEFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
36	Mid-water paired & single Trawl	OPEN	all	NE	all									
37	Pots and Traps, Fish	OPEN	all	MA	all									
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all				50	0.0	1.0			
57	Twin Trawl	OPEN	all	NE	all							100	0.0	273.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**1**	**56,132.4**	**600.7**	**1**	**924.8**	**375.5**	**3**	**2,863.3**	**1,664.2**

Table 5B. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: BLACK SEA BASS

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all							1	0.0	16.8
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	46	34,263.9	9,235.7	47	36,254.7	7,192.4	60	61,245.9	17,069.8
6	Otter Trawl	OPEN	all	MA	lg	36	1,669.1	283.9	40	1,539.0	1,336.8	58	13,459.2	4,696.9
7	Otter Trawl	OPEN	all	NE	sm	34	787.8	761.5	47	988.6	2,300.6	54	3,799.2	11,800.6
8	Otter Trawl	OPEN	all	NE	lg	4	621.3	64.3	5	176.6	698.5	9	1,206.4	1,796.6
9	Scallop Trawl	AA	GEN	MA	all				100	0.0	46.0			
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all	10	0.0	6.0	5	3.1	0.0	50	43.6	5.7
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							4	2.6	3.0
16	Shrimp Trawl	OPEN	all	NE	all									
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	1	2.0	0.0	1	8.4	0.0			
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	33	31.0	0.0	100	80.0	0.0			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	5	160.4	8.0	2	116.5	0.0	1	7.0	9.0
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	1	16.7	0.0				< 1	7.0	0.0
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	7	0.0	9.2	15	0.0	40.8	20	0.0	2.5
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all	27	16.0	107.5	42	8.1	218.0	39	29.0	63.7
30	Scallop Dredge	AA	LIM	NE	all	19	0.0	127.3	38	8.6	283.1	67	3.0	312.0
31	Scallop Dredge	OPEN	GEN	MA	all	8	2.0	0.3	13	5.4	5.4	7	0.0	6.7
32	Scallop Dredge	OPEN	GEN	NE	all							7	0.0	4.0
33	Scallop Dredge	OPEN	LIM	MA	all	27	20.3	71.1	31	0.0	63.3	29	0.0	249.6
34	Scallop Dredge	OPEN	LIM	NE	all	5	7.0	9.0	17	0.0	145.1	21	57.0	233.1
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	4	4.0	398.0	4	1,407.0	129.0			

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: BLACK SEA BASS

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
37	Pots and Traps, Fish	OPEN	all	MA	all	100	2,240.0	883.0						
38	Pots and Traps, Fish	OPEN	all	NE	all	100	184.0	91.5	100	635.0	277.1			
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	0.0	3.0						
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all				50	0.0	7.1			
57	Twin Trawl	OPEN	all	NE	all							100	0.0	42.5
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**10**	**40,025.5**	**12,059.3**	**13**	**41,231.0**	**12,743.2**	**18**	**79,859.9**	**36,312.5**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: FLUKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all							2	23.0	0.0
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	88	181,526.0	27,146.0	82	145,819.1	19,663.8	88	360,844.1	34,547.9
6	Otter Trawl	OPEN	all	MA	lg	91	192,513.3	14,289.0	95	198,711.8	5,884.5	99	541,149.1	30,689.0
7	Otter Trawl	OPEN	all	NE	sm	57	7,363.4	6,640.8	64	10,200.6	9,813.9	70	30,868.6	31,312.3
8	Otter Trawl	OPEN	all	NE	lg	48	50,503.0	215,645.0	38	59,908.7	116,474.0	43	81,502.4	183,304.6
9	Scallop Trawl	AA	GEN	MA	all	40	0.0	158.5	100	12.5	227.0			
10	Scallop Trawl	AA	LIM	MA	all	50	62.5	212.7						
11	Scallop Trawl	OPEN	GEN	MA	all	70	173.5	46.5	47	128.2	1,491.7	100	241.5	13.7
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							30	122.2	33.0
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							24	187.0	613.5
16	Shrimp Trawl	OPEN	all	NE	all									
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	6	54.3	1.7	4	24.2	2.0	3	6.6	11.5
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	33	1,159.6	0.0	27	607.3	0.0	10	145.2	0.0
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	23	876.2	151.0	31	731.9	334.8	37	1,330.6	1,171.6
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	8	1,829.0	309.8	3	308.4	34.5	2	293.6	12.4
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	27	1,208.9	2,675.2	21	1,537.4	4,046.4	20	934.5	4,133.6
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	44	104.1	1,678.7	68	379.6	1,654.3	60	0.0	155.5
28	Scallop Dredge	AA	GEN	NE	all	59	50.0	516.3	18	0.0	92.5			
29	Scallop Dredge	AA	LIM	MA	all	71	629.5	7,608.0	60	2,748.7	17,282.4	79	741.9	8,839.2
30	Scallop Dredge	AA	LIM	NE	all	83	74.3	25,845.9	72	87.1	37,420.9	87	10.6	16,296.9
31	Scallop Dredge	OPEN	GEN	MA	all	50	185.3	600.5	61	72.5	194.2	62	178.7	251.2
32	Scallop Dredge	OPEN	GEN	NE	all	20	0.0	96.0	31	0.0	195.5	7	0.0	287.0
33	Scallop Dredge	OPEN	LIM	MA	all	78	1,068.5	11,054.1	72	1,664.9	13,712.1	59	173.0	4,878.0
34	Scallop Dredge	OPEN	LIM	NE	all	82	267.5	32,293.3	86	124.0	21,901.3	75	13.0	23,360.7
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	6	152.3	10.0				1	77.0	0.0
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: FLUKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	3.0	0.0						
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all				50	0.0	79.0			
57	Twin Trawl	OPEN	all	NE	all							100	325.0	1,111.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all	2	2.0	0.0	14	0.0	0.4	13	1.5	0.0
					Total	**42**	**439,806.2**	**346,979.0**	**38**	**423,066.9**	**250,505.2**	**40**	**1,019,169.1**	**341,022.6**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: SCUP

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	54	113,820.6	59,557.6	47	218,801.9	46,466.6	58	262,219.6	90,065.5
6	Otter Trawl	OPEN	all	MA	lg	48	7,906.9	4,094.2	38	17,119.4	7,891.7	47	7,018.3	5,852.5
7	Otter Trawl	OPEN	all	NE	sm	48	7,773.2	16,419.2	65	18,580.7	70,711.6	67	102,626.9	124,491.3
8	Otter Trawl	OPEN	all	NE	lg	6	1,795.6	1,713.2	6	7,760.8	7,033.8	14	18,372.3	17,684.9
9	Scallop Trawl	AA	GEN	MA	all				50	0.0	3.1			
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all	30	0.0	2.7	5	1.5	2.0	33	34.0	3.0
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							4	576.0	332.2
16	Shrimp Trawl	OPEN	all	NE	all							6	0.0	0.5
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	1	4.5	0.6				1	0.0	2.0
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	6	15.5	0.0	1	7.0	0.0	1	6.0	0.0
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	100	752.0	3.0	100	300.0	0.0			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	6	4,290.9	97.0	3	425.7	112.5	1	151.6	3.0
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	1	15.3	0.5	1	11.0	0.0	1	82.3	0.0
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	3	0.0	2.8	4	0.0	3.2			
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all	6	0.0	4.0	12	0.0	48.2	7	0.0	2.2
30	Scallop Dredge	AA	LIM	NE	all	7	0.0	11.8	14	0.0	27.9	23	0.0	16.0
31	Scallop Dredge	OPEN	GEN	MA	all				10	0.0	0.4	2	1.0	0.0
32	Scallop Dredge	OPEN	GEN	NE	all							7	0.0	1.0
33	Scallop Dredge	OPEN	LIM	MA	all	6	5.0	23.9	9	0.0	12.7	2	0.0	0.8
34	Scallop Dredge	OPEN	LIM	NE	all	6	8.0	10.9	3	0.0	16.2	6	0.7	18.9
35	Mid-water paired & single Trawl	OPEN	all	MA	all	33	0.0	968.0						
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2	0.0	3.0	1	0.0	688.0	1	2,064.0	0.0
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: SCUP

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all	100	191.0	199.0	100	128.0	184.6	17	63.0	0.0
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	0.0	1.0						
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	0.8			
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all							100	0.0	2.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**11**	**136,578.5**	**83,112.4**	**10**	**263,136.0**	**133,203.3**	**18**	**393,215.7**	**238,475.8**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: AMERICAN PLAICE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	3	2.0	3.0	5	3.0	5.0	2	3.0	1.5
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm				2	0.0	691.5	1	8.0	116.0
6	Otter Trawl	OPEN	all	MA	lg	2	284.0	114.5	1	485.0	0.0			
7	Otter Trawl	OPEN	all	NE	sm	30	32.0	1,084.5	12	1,626.5	568.1	11	414.5	5,177.7
8	Otter Trawl	OPEN	all	NE	lg	70	305,530.6	60,531.3	67	455,078.1	90,944.6	65	500,964.9	133,473.9
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							48	519.3	329.8
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							78	6,437.6	4,419.6
16	Shrimp Trawl	OPEN	all	NE	all	100	0.0	178.9	100	0.0	236.3	88	0.0	316.0
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg				1	0.0	7.1			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	24	652.5	130.4	27	478.5	222.5	31	1,239.3	497.0
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	4	96.1	15.6	5	18.5	5.0	13	512.2	47.8
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	1	0.0	1.2				20	0.0	1.0
28	Scallop Dredge	AA	GEN	NE	all	1	0.0	1.5						
29	Scallop Dredge	AA	LIM	MA	all	3	0.0	2.0	4	0.0	262.1	4	0.0	1.0
30	Scallop Dredge	AA	LIM	NE	all	12	0.0	1,033.8	14	0.0	792.4	10	0.0	9.9
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all							7	0.0	17.0
33	Scallop Dredge	OPEN	LIM	MA	all	2	0.0	3.0	3	0.0	4.2	2	0.0	135.0
34	Scallop Dredge	OPEN	LIM	NE	all	30	0.0	921.1	39	82.0	2,300.3	21	1.6	1,119.0
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all							5	208.0	4.4
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: AMERICAN PLAICE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	0.0	1.0						
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**22**	**306,597.2**	**64,021.8**	**25**	**457,771.6**	**96,039.1**	**26**	**510,308.4**	**145,666.6**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ATLANTIC COD

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	83	31,173.7	12,438.9	86	60,024.2	10,270.8	69	71,504.1	9,719.2
4	Hand Line	OPEN	all	NE	all	100	1,446.2	48.3	83	2,683.1	352.2	56	1,705.7	235.7
5	Otter Trawl	OPEN	all	MA	sm	1	4.0	5.0	1	16.0	0.0	4	50.0	39.5
6	Otter Trawl	OPEN	all	MA	lg	6	2,432.0	74.5	4	146.0	5.3	2	0.0	22.0
7	Otter Trawl	OPEN	all	NE	sm	24	480.3	324.3	16	6,928.3	1,361.0	11	4,324.3	552.8
8	Otter Trawl	OPEN	all	NE	lg	82	1,643,232.8	223,838.3	89	1,518,191.0	304,099.3	81	1,375,105.2	267,715.7
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all				5	10.0	0.0	17	0.0	0.4
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							96	26,880.5	1,520.8
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							93	128,361.8	22,010.3
16	Shrimp Trawl	OPEN	all	NE	all	31	0.0	5.3	30	0.0	1.6	31	0.0	3.9
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg				1	0.0	6.3	1	22.0	0.0
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg				1	3.0	0.0			
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	89	177,342.5	8,414.8	91	232,073.9	13,299.8	91	357,053.6	22,942.1
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	46	12,732.8	1,621.3	43	16,307.8	1,323.5	61	68,218.1	3,759.4
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all	4	0.0	19.5	2	0.0	0.5			
29	Scallop Dredge	AA	LIM	MA	all	6	0.0	20.0	2	4.0	21.0			
30	Scallop Dredge	AA	LIM	NE	all	17	6.0	219.3	7	0.0	80.7			
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all	10	0.7	0.6				7	0.0	0.4
33	Scallop Dredge	OPEN	LIM	MA	all	4	7.0	0.0	2	13.0	0.0	8	0.0	31.0
34	Scallop Dredge	OPEN	LIM	NE	all	49	272.8	518.3	29	86.0	181.4	33	53.0	286.0
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	6	8.0	354.0	4	50.0	13.4	18	880.1	585.3
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ATLANTIC COD

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**37**	**1,869,138.8**	**247,902.4**	**43**	**1,836,536.3**	**331,016.8**	**45**	**2,034,158.3**	**329,424.4**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ATLANTIC HALIBUT

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	5	175.5	11.0	2	74.0	0.0	7	263.0	562.4
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	1	12.0	0.0						
6	Otter Trawl	OPEN	all	MA	lg									
7	Otter Trawl	OPEN	all	NE	sm	1	5.2	0.0	2	118.0	0.0	< 1	0.0	16.0
8	Otter Trawl	OPEN	all	NE	lg	27	2,924.4	1,799.4	27	4,338.0	3,169.2	27	2,424.1	4,452.4
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							15	0.0	40.0
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							35	360.5	322.6
16	Shrimp Trawl	OPEN	all	NE	all	13	0.0	2.7						
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg							1	15.0	0.0
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	3	94.5	75.0	3	52.0	54.1	5	140.0	271.4
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	5	134.0	133.0	3	33.5	30.0	6	115.0	210.5
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all									
30	Scallop Dredge	AA	LIM	NE	all				1	0.0	3.0			
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all							2	23.0	0.0
34	Scallop Dredge	OPEN	LIM	NE	all	1	1.0	0.0	4	11.0	6.0	5	4.0	7.0
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all									
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ATLANTIC HALIBUT

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**7**	**3,346.6**	**2,021.1**	**8**	**4,626.5**	**3,262.3**	**9**	**3,344.5**	**5,882.3**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ATLANTIC WOLFFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	11	200.6	11.0	13	92.6	7.0	10	7.2	793.4
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm				1	0.0	7.5			
6	Otter Trawl	OPEN	all	MA	lg									
7	Otter Trawl	OPEN	all	NE	sm	6	110.0	25.0	2	37.2	0.0	< 1	0.0	29.0
8	Otter Trawl	OPEN	all	NE	lg	25	6,971.0	444.0	20	6,156.8	503.7	20	2,047.9	3,347.8
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg									
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							13	118.9	344.0
16	Shrimp Trawl	OPEN	all	NE	all									
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg				1	0.0	25.5			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	7	288.5	29.5	6	266.8	0.0	9	297.9	475.3
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	4	197.7	17.0	1	6.0	0.0	2	0.0	105.0
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all									
30	Scallop Dredge	AA	LIM	NE	all	2	0.0	60.5						
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all									
34	Scallop Dredge	OPEN	LIM	NE	all	5	13.0	46.0						
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all									
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ATLANTIC WOLFFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**8**	**7,780.8**	**633.0**	**7**	**6,559.4**	**543.7**	**8**	**2,471.9**	**5,094.5**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: HADDOCK

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	74	206,523.2	13,709.0	89	322,332.9	13,579.6	58	201,411.9	4,703.3
4	Hand Line	OPEN	all	NE	all	100	30.4	0.0	58	302.2	5.5	25	76.9	0.0
5	Otter Trawl	OPEN	all	MA	sm	1	0.0	0.8	1	0.0	90.0	1	5.0	171.0
6	Otter Trawl	OPEN	all	MA	lg	1	49,055.2	9,587.0						
7	Otter Trawl	OPEN	all	NE	sm	18	22.8	149.0	12	3,830.5	276.0	6	21.4	3,733.2
8	Otter Trawl	OPEN	all	NE	lg	72	2,191,045.5	143,933.3	68	2,949,935.6	68,728.6	65	2,983,707.9	18,379.7
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							100	426,625.9	3,124.8
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							96	1,094,283.6	7,618.3
16	Shrimp Trawl	OPEN	all	NE	all	13	0.0	1.3	40	0.0	9.0	19	0.0	1.0
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	44	5,946.9	187.7	46	18,481.2	575.8	30	8,246.1	310.3
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	7	231.2	71.0	8	209.5	11.2	13	385.5	111.6
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all	7	3.0	21.5						
29	Scallop Dredge	AA	LIM	MA	all	1	0.0	25.0	3	3.2	16.5			
30	Scallop Dredge	AA	LIM	NE	all	7	0.0	120.8	8	5.5	50.1			
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all									
34	Scallop Dredge	OPEN	LIM	NE	all	22	29.9	233.3	19	32.0	142.0	10	44.0	19.3
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	12	10,921.5	255.0	15	11,335.5	25,890.0	46	106,037.1	4,618.5
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: HADDOCK

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all							100	0.0	29.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**26**	**2,463,809.5**	**168,294.7**	**30**	**3,306,468.2**	**109,374.3**	**28**	**4,820,845.3**	**42,820.0**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: OCEAN POUT

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	17	0.0	436.7	20	30.0	582.9	27	0.0	834.7
4	Hand Line	OPEN	all	NE	all				8	0.0	24.0			
5	Otter Trawl	OPEN	all	MA	sm	1	18.0	0.0	3	0.0	143.0	9	58.0	2,067.6
6	Otter Trawl	OPEN	all	MA	lg	4	4.5	236.0	8	185.5	124.5	< 1	0.0	3.5
7	Otter Trawl	OPEN	all	NE	sm	24	0.0	939.7	15	0.0	569.4	12	0.0	2,126.7
8	Otter Trawl	OPEN	all	NE	lg	47	21.5	30,091.1	45	116.0	33,314.9	35	89.6	30,882.3
9	Scallop Trawl	AA	GEN	MA	all				50	0.0	4.0			
10	Scallop Trawl	AA	LIM	MA	all	50	0.0	3.0						
11	Scallop Trawl	OPEN	GEN	MA	all							50	0.0	44.9
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							22	0.0	236.8
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							45	0.0	1,890.6
16	Shrimp Trawl	OPEN	all	NE	all									
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	2	0.0	142.5	1	0.0	18.0	2	0.0	64.5
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	< 1	0.0	9.0	1	0.0	7.0	1	0.0	10.8
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all	20	0.0	23.7	34	0.0	38.9			
29	Scallop Dredge	AA	LIM	MA	all	6	0.0	25.2	2	0.0	18.0			
30	Scallop Dredge	AA	LIM	NE	all	21	0.0	139.4	14	0.0	72.0	3	0.0	0.1
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all							7	0.0	2.8
33	Scallop Dredge	OPEN	LIM	MA	all	10	0.0	20.7	5	7.9	13.0	4	0.0	15.0
34	Scallop Dredge	OPEN	LIM	NE	all	34	3.0	130.0	42	0.0	211.9	43	0.0	290.5
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2	0.0	5.0						
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: OCEAN POUT

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all							100	0.0	35.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	31.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**15**	**47.0**	**32,202.0**	**17**	**339.4**	**35,141.5**	**14**	**147.6**	**38,536.8**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: POLLOCK

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	4	82.5	11.0	10	106.7	5.7	8	96.9	2.0
4	Hand Line	OPEN	all	NE	all				25	61.0	0.0	25	68.6	50.0
5	Otter Trawl	OPEN	all	MA	sm							< 1	4.0	0.0
6	Otter Trawl	OPEN	all	MA	lg									
7	Otter Trawl	OPEN	all	NE	sm	12	3,400.8	503.2	5	2,897.3	178.0	5	60.3	45.1
8	Otter Trawl	OPEN	all	NE	lg	57	1,470,942.8	2,747.9	50	2,225,212.6	8,433.9	48	1,102,039.3	10,111.4
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							37	653.5	2.0
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							75	140,444.5	879.0
16	Shrimp Trawl	OPEN	all	NE	all	25	0.0	3.3	20	0.0	2.0	38	0.0	75.1
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg							1	10.0	0.0
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	63	527,515.1	12,874.8	54	376,704.9	7,598.0	51	293,834.4	10,107.5
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	16	3,042.5	440.1	19	2,624.5	385.3	28	3,407.1	764.4
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all							5	0.0	71.0
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all									
30	Scallop Dredge	AA	LIM	NE	all									
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all	2	0.0	2.5						
34	Scallop Dredge	OPEN	LIM	NE	all	6	0.0	40.2						
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2	0.0	38.0	6	67.0	31.0	8	92.0	702.8
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: POLLOCK

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**22**	**2,004,983.7**	**16,661.0**	**22**	**2,607,674.0**	**16,633.9**	**25**	**1,540,710.6**	**22,810.3**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: REDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	38	995.6	30.0	53	1,867.2	43.1	19	454.1	7.4
4	Hand Line	OPEN	all	NE	all							13	0.5	0.5
5	Otter Trawl	OPEN	all	MA	sm	4	0.0	28.2	1	0.0	305.0	3	129.0	118.5
6	Otter Trawl	OPEN	all	MA	lg	1	0.0	5.0						
7	Otter Trawl	OPEN	all	NE	sm	6	94.0	30.0	4	1,068.5	88.3	6	414.0	708.3
8	Otter Trawl	OPEN	all	NE	lg	41	297,224.3	38,224.2	43	501,704.6	53,010.5	43	544,555.3	76,872.9
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							7	286.0	127.0
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							51	103,726.5	4,058.5
16	Shrimp Trawl	OPEN	all	NE	all	38	0.0	218.3	100	0.0	122.3	69	0.0	212.2
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	22	18,406.3	729.4	24	12,953.5	671.3	19	11,856.4	985.4
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	4	102.0	10.5	5	55.5	2.0	3	18.0	21.0
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all									
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all									
30	Scallop Dredge	AA	LIM	NE	all	2	0.0	7.5				3	0.0	0.3
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all									
34	Scallop Dredge	OPEN	LIM	NE	all									
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2	0.0	0.9	3	740.5	9,328.2	10	4,614.0	457.3
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: REDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all	14	0.0	0.2						
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**14**	**316,822.2**	**39,284.2**	**17**	**518,389.8**	**63,570.7**	**17**	**666,053.8**	**83,569.3**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: WHITE HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all	33	8.0	0.0						
2	Longline	OPEN	all	NE	all	40	1,790.1	333.0	49	4,825.5	1,405.1	18	1,803.0	116.9
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	3	225.0	475.3	3	642.5	19.5	6	3,821.0	636.8
6	Otter Trawl	OPEN	all	MA	lg	4	80.0	166.5	4	503.5	443.0	4	23.0	166.7
7	Otter Trawl	OPEN	all	NE	sm	18	3,146.0	10,230.5	12	4,161.1	2,682.3	13	1,254.2	3,393.2
8	Otter Trawl	OPEN	all	NE	lg	51	251,471.3	4,142.7	48	422,351.7	8,095.3	46	536,179.1	9,354.0
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all							17	0.0	22.0
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							15	27.0	13.1
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							53	37,142.4	475.9
16	Shrimp Trawl	OPEN	all	NE	all	31	0.0	80.5	90	0.0	146.2	69	0.0	119.6
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm				< 1	20.0	0.0			
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg				1	0.0	1.4			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	31	31,023.6	475.0	25	33,804.2	627.5	33	124,934.5	2,287.3
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	5	631.5	87.5	7	484.8	80.0	8	2,646.6	153.2
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	5	0.0	52.4	3	0.0	5.1			
28	Scallop Dredge	AA	GEN	NE	all	3	0.0	3.5	7	0.0	4.5			
29	Scallop Dredge	AA	LIM	MA	all	9	0.0	348.3	9	10.0	618.3			
30	Scallop Dredge	AA	LIM	NE	all	12	0.0	523.5	17	10.0	820.0	20	0.0	21.4
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all	16	0.0	81.8	17	0.0	94.0	8	0.0	58.3
34	Scallop Dredge	OPEN	LIM	NE	all	16	6.0	38.1	26	11.0	1,191.0	25	0.0	979.8
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all				3	97.0	0.1	2	28.0	4.0
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: WHITE HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all							33	19.3	0.0
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**20**	**288,381.5**	**17,038.6**	**22**	**466,921.2**	**16,233.3**	**22**	**707,878.1**	**17,802.2**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: WINDOWPANE FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all							1	0.0	7.0
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	56	449.0	6,668.2	42	664.5	5,103.8	45	991.5	7,337.8
6	Otter Trawl	OPEN	all	MA	lg	75	4,458.0	9,455.3	70	3,008.0	9,611.3	59	1,224.5	13,958.2
7	Otter Trawl	OPEN	all	NE	sm	45	398.5	1,652.8	40	77.0	1,915.0	42	10.0	3,543.4
8	Otter Trawl	OPEN	all	NE	lg	67	26,062.9	122,368.5	74	16,850.5	133,227.0	57	598.0	144,832.3
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all	10	0.0	2.0	84	15.0	332.4	17	0.0	8.3
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							70	0.0	2,682.1
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							58	8.0	7,383.7
16	Shrimp Trawl	OPEN	all	NE	all	63	0.0	22.5	80	0.0	42.8	56	0.0	20.9
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	2	0.0	8.9				1	0.9	0.5
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	6	20.0	15.2	1	0.0	0.7	3	0.0	17.0
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg							1	0.0	0.8
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	6	12.8	91.4	8	35.1	73.9	5	16.6	52.5
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	4	0.0	7.3	4	2.0	3.8	1	0.0	5.8
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	20	0.0	170.0	9	0.0	35.7	20	0.0	1.0
28	Scallop Dredge	AA	GEN	NE	all	24	0.0	22.1	48	0.0	60.4			
29	Scallop Dredge	AA	LIM	MA	all	34	0.0	398.9	34	0.0	1,145.5	29	0.0	152.4
30	Scallop Dredge	AA	LIM	NE	all	34	2.0	2,305.2	35	0.0	911.0	27	0.0	2,339.1
31	Scallop Dredge	OPEN	GEN	MA	all	50	0.0	691.7	65	0.0	331.0	74	0.0	200.0
32	Scallop Dredge	OPEN	GEN	NE	all	60	0.0	146.2	69	0.0	328.2	20	0.0	21.0
33	Scallop Dredge	OPEN	LIM	MA	all	71	0.0	1,826.4	75	0.0	3,124.7	71	0.0	5,489.0
34	Scallop Dredge	OPEN	LIM	NE	all	84	18.5	11,410.6	72	3.0	5,703.9	83	0.0	8,573.2
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all									
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: WINDOWPANE FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all				50	0.0	0.7			
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all				14	0.0	0.2			
					Total	**34**	**31,421.7**	**157,263.2**	**38**	**20,655.1**	**161,952.0**	**33**	**2,849.5**	**196,626.0**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: WINTER FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	11	236.5	15.6	17	333.2	20.6	10	379.6	12.8
4	Hand Line	OPEN	all	NE	all				8	2.4	0.0			
5	Otter Trawl	OPEN	all	MA	sm	24	1,717.8	3,093.4	16	593.0	1,352.3	32	228.8	7,548.9
6	Otter Trawl	OPEN	all	MA	lg	49	34,430.2	722.4	48	13,288.6	2,435.4	30	121.2	3,680.2
7	Otter Trawl	OPEN	all	NE	sm	67	1,225.5	9,903.9	57	4,720.3	10,094.7	63	562.4	21,979.6
8	Otter Trawl	OPEN	all	NE	lg	71	598,345.8	20,029.5	80	1,063,133.4	61,546.2	67	1,005,946.5	38,790.9
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all	80	98.0	6.5	53	16.0	139.4	50	0.0	61.7
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							74	3,187.8	825.0
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							85	17,214.2	1,820.8
16	Shrimp Trawl	OPEN	all	NE	all	88	0.0	92.4	70	0.0	119.5	63	0.0	59.8
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	1	5.0	0.0				1	0.0	2.5
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	48	10,526.1	124.3	47	3,442.9	195.1	51	5,677.5	636.1
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	12	1,035.0	46.5	12	163.8	44.0	14	510.0	66.3
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	1	0.0	1.0	1	0.0	6.0			
28	Scallop Dredge	AA	GEN	NE	all	73	6.0	304.7	73	0.0	171.3			
29	Scallop Dredge	AA	LIM	MA	all	13	22.0	310.2	6	5.0	180.0	7	0.0	3.1
30	Scallop Dredge	AA	LIM	NE	all	35	195.0	11,431.2	35	12.8	1,876.0	3	0.0	21.0
31	Scallop Dredge	OPEN	GEN	MA	all	31	0.0	184.8	29	0.0	76.6	21	1.0	32.1
32	Scallop Dredge	OPEN	GEN	NE	all	70	0.0	144.3	62	7.5	58.5	67	0.0	72.8
33	Scallop Dredge	OPEN	LIM	MA	all	41	9.4	311.4	38	6.0	267.4	31	0.0	117.1
34	Scallop Dredge	OPEN	LIM	NE	all	87	1,324.6	23,176.3	86	687.5	15,636.7	83	131.5	10,060.2
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2	0.0	5.0						
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: WINTER FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**36**	**649,176.9**	**69,903.4**	**42**	**1,086,412.4**	**94,219.7**	**41**	**1,033,960.5**	**85,790.9**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: WITCH FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	12	43.0	786.2	15	0.0	3,993.6	24	35.7	6,058.6
6	Otter Trawl	OPEN	all	MA	lg	12	2,341.7	346.7	16	827.1	410.0	17	56.0	1,230.3
7	Otter Trawl	OPEN	all	NE	sm	28	333.5	405.2	14	2,149.0	990.2	20	214.0	1,751.4
8	Otter Trawl	OPEN	all	NE	lg	72	293,141.7	16,347.1	67	336,287.4	34,875.7	68	296,408.0	36,809.1
9	Scallop Trawl	AA	GEN	MA	all				50	0.0	3.0			
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all	10	0.0	0.5	11	0.0	29.8	33	0.0	13.1
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							44	179.5	17.5
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							64	6,579.6	551.2
16	Shrimp Trawl	OPEN	all	NE	all	31	0.0	60.1	70	0.0	74.0	44	0.0	38.5
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg				1	0.0	0.6			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg				1	3.3	0.0			
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	18	285.7	44.6	14	279.3	36.2	19	542.3	41.7
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	8	365.5	5.5	4	15.5	3.5	10	1,040.9	2.0
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	13	0.0	24.9	12	0.0	19.7			
28	Scallop Dredge	AA	GEN	NE	all	3	0.0	3.5						
29	Scallop Dredge	AA	LIM	MA	all	39	0.0	143.4	30	3.3	544.5	43	0.0	195.9
30	Scallop Dredge	AA	LIM	NE	all	51	0.0	1,574.8	46	244.1	2,399.7	70	0.0	475.3
31	Scallop Dredge	OPEN	GEN	MA	all	4	0.0	1.0	13	0.0	4.6	10	0.0	6.6
32	Scallop Dredge	OPEN	GEN	NE	all	20	0.0	13.8	23	0.0	4.5	7	0.0	89.0
33	Scallop Dredge	OPEN	LIM	MA	all	39	4.3	185.9	40	10.0	234.8	29	0.0	478.2
34	Scallop Dredge	OPEN	LIM	NE	all	48	13.9	1,901.5	55	169.7	5,004.4	54	35.9	1,491.9
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2	0.0	1.6						
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: WITCH FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all				100	0.0	0.3			
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	3.4			
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all							100	0.0	21.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**27**	**296,529.3**	**21,846.3**	**29**	**339,988.7**	**48,632.5**	**30**	**305,091.9**	**49,271.3**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: YELLOWTAIL FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all	4	4.5	5.0	11	55.9	10.1	9	65.2	11.3
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	3	44.0	218.5	3	789.0	245.7	4	5.5	915.0
6	Otter Trawl	OPEN	all	MA	lg	9	12,480.5	5,697.8	7	865.4	207.0	3	505.0	141.1
7	Otter Trawl	OPEN	all	NE	sm	24	199.0	3,087.0	11	29.3	1,363.4	23	193.8	7,319.6
8	Otter Trawl	OPEN	all	NE	lg	71	645,395.7	161,435.7	79	874,319.2	237,773.7	68	569,154.8	244,135.9
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all	30	0.0	11.0	21	249.0	223.3	83	0.0	593.9
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							85	8,306.2	2,873.6
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							76	18,279.0	11,041.6
16	Shrimp Trawl	OPEN	all	NE	all	69	0.0	18.0	50	0.0	7.1	44	0.0	8.9
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg				1	0.0	0.4			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg							2	1.0	1.0
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	33	8,908.2	830.2	38	10,861.6	1,406.6	40	11,308.8	1,933.2
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	4	611.8	201.9	6	38.3	2.3	15	746.5	53.7
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	8	0.0	19.9						
28	Scallop Dredge	AA	GEN	NE	all	56	10.0	403.8	75	1.8	280.3			
29	Scallop Dredge	AA	LIM	MA	all	29	0.0	1,003.1	10	0.0	3,160.0	7	0.0	1.0
30	Scallop Dredge	AA	LIM	NE	all	47	157.9	4,744.8	42	2,011.0	25,803.9	10	0.0	7.0
31	Scallop Dredge	OPEN	GEN	MA	all	19	0.0	60.9	19	0.0	43.5	52	0.0	83.4
32	Scallop Dredge	OPEN	GEN	NE	all	70	0.0	111.9	77	9.5	366.6	40	0.0	42.5
33	Scallop Dredge	OPEN	LIM	MA	all	78	5.5	3,081.1	68	5.3	1,913.0	57	3.0	1,801.4
34	Scallop Dredge	OPEN	LIM	NE	all	94	121.9	29,786.0	96	316.2	24,951.5	95	172.2	12,852.3
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2	0.0	34.0	1	35.0	0.0	2	2.0	1.8
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: YELLOWTAIL FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	5.5			
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**31**	**667,939.0**	**210,750.6**	**37**	**889,586.5**	**297,763.9**	**33**	**608,743.0**	**283,818.2**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: OFFSHORE HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm							4	8,846.0	2,841.7
6	Otter Trawl	OPEN	all	MA	lg	1	0.0	3.0				1	35.0	17.0
7	Otter Trawl	OPEN	all	NE	sm	1	0.0	0.5	1	0.0	6.7	2	641.0	508.0
8	Otter Trawl	OPEN	all	NE	lg	2	78.5	489.2	1	5.5	404.9	3	133.8	2,561.5
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							7	2.0	33.0
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							2	0.0	3.5
16	Shrimp Trawl	OPEN	all	NE	all									
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg				1	0.0	1.0			
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	< 1	31.0	0.0				1	81.2	80.2
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg							< 1	1.0	0.0
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	1	0.0	0.1						
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all									
30	Scallop Dredge	AA	LIM	NE	all									
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all	2	0.0	1.2				2	0.0	2.0
34	Scallop Dredge	OPEN	LIM	NE	all	3	0.0	7.8	4	8.8	6.7			
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all							1	0.0	144.0
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: OFFSHORE HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all									
57	Twin Trawl	OPEN	all	NE	all									
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**1**	**109.5**	**501.8**	**< 1**	**14.3**	**419.3**	**2**	**9,740.0**	**6,190.9**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: RED HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all	67	0.0	342.5						
2	Longline	OPEN	all	NE	all	30	0.0	385.0	30	8.3	1,059.1	19	76.7	255.8
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	15	4,557.0	4,021.9	15	7,600.5	19,222.6	23	11,871.0	34,899.0
6	Otter Trawl	OPEN	all	MA	lg	8	134.5	74.1	14	2,651.2	4,526.9	5	14.7	195.7
7	Otter Trawl	OPEN	all	NE	sm	48	23,132.1	77,102.5	30	37,301.5	25,055.0	45	55,230.5	154,344.0
8	Otter Trawl	OPEN	all	NE	lg	37	1,523.8	29,921.0	35	2,208.7	27,225.1	37	1,583.3	34,545.9
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all				5	0.0	0.6	50	0.0	13.1
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							48	4.0	522.1
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							42	438.7	884.4
16	Shrimp Trawl	OPEN	all	NE	all	19	0.0	19.6	50	0.0	53.6	31	0.0	45.0
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg							1	5.0	0.0
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	4	97.2	247.3	3	82.5	40.6	8	647.5	159.9
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	2	0.0	6.5				2	0.0	7.6
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all									
27	Scallop Dredge	AA	GEN	MA	all	13	0.0	82.7	11	0.0	57.7	20	0.0	21.0
28	Scallop Dredge	AA	GEN	NE	all	48	0.0	320.7	43	0.0	152.6			
29	Scallop Dredge	AA	LIM	MA	all	37	0.0	423.3	34	0.0	1,942.8	29	0.0	166.6
30	Scallop Dredge	AA	LIM	NE	all	45	0.0	4,113.2	42	0.0	4,839.8	40	0.0	228.1
31	Scallop Dredge	OPEN	GEN	MA	all	15	0.0	10.4	13	0.0	9.0	14	1.5	16.1
32	Scallop Dredge	OPEN	GEN	NE	all	10	0.0	0.3	23	0.0	0.8	13	0.0	6.4
33	Scallop Dredge	OPEN	LIM	MA	all	41	0.0	103.2	29	0.0	126.1	29	0.0	716.8
34	Scallop Dredge	OPEN	LIM	NE	all	52	0.0	1,955.9	59	0.0	6,536.3	49	0.0	3,668.0
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	4	0.0	318.3	3	203.0	23.5	5	2,510.0	1.0
37	Pots and Traps, Fish	OPEN	all	MA	all	50	4.0	0.0						

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: RED HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all	14	0.0	1.0	8	0.0	3.1			
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	17.1			
56	Twin Trawl	OPEN	all	MA	all							100	1,866.0	4,949.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	335.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**20**	**29,448.6**	**119,449.4**	**21**	**50,055.7**	**90,892.3**	**21**	**74,248.9**	**235,980.5**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: SILVER HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all	33	0.0	15.0						
2	Longline	OPEN	all	NE	all	1	4.0	0.0	2	0.0	1.0			
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	31	61,383.2	14,785.0	43	139,902.8	18,772.5	41	251,289.0	27,635.4
6	Otter Trawl	OPEN	all	MA	lg	17	355.8	176.0	19	26,734.1	161.8	16	154.8	499.8
7	Otter Trawl	OPEN	all	NE	sm	69	115,022.8	118,953.4	49	215,786.8	65,862.7	68	883,738.4	138,711.6
8	Otter Trawl	OPEN	all	NE	lg	47	1,621.8	12,852.0	53	3,387.5	25,729.0	58	9,606.1	33,909.2
9	Scallop Trawl	AA	GEN	MA	all	40	0.0	12.0	50	0.0	0.3			
10	Scallop Trawl	AA	LIM	MA	all	100	0.0	3.0						
11	Scallop Trawl	OPEN	GEN	MA	all	20	12.0	0.5	32	0.5	44.6	67	128.9	166.0
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							52	311.0	980.7
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							49	90.5	1,407.9
16	Shrimp Trawl	OPEN	all	NE	all	100	0.0	858.0	100	0.0	1,248.8	81	500.0	2,231.3
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg				1	0.0	2.6			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg				3	3.2	0.7			
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	18	149.6	246.3	27	322.5	462.4	34	1,581.2	1,236.7
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	7	33.8	13.7	7	17.0	20.5	11	84.3	23.0
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all	5	0.0	20.0	24	4,278.0	0.0	29	3,458.6	1.0
27	Scallop Dredge	AA	GEN	MA	all	17	0.0	33.2	9	0.0	13.0	20	0.0	0.5
28	Scallop Dredge	AA	GEN	NE	all	24	0.0	32.5	20	0.0	14.4			
29	Scallop Dredge	AA	LIM	MA	all	29	0.0	194.3	32	1.0	191.6	32	0.0	32.4
30	Scallop Dredge	AA	LIM	NE	all	46	0.0	538.6	52	0.0	911.4	60	0.0	256.4
31	Scallop Dredge	OPEN	GEN	MA	all	12	0.0	5.3	32	0.0	26.8	24	0.0	36.8
32	Scallop Dredge	OPEN	GEN	NE	all	20	0.0	5.3	8	0.0	0.1	33	0.0	12.7
33	Scallop Dredge	OPEN	LIM	MA	all	47	5.3	75.6	60	124.5	379.7	47	0.0	406.9
34	Scallop Dredge	OPEN	LIM	NE	all	51	11.5	382.6	59	25.5	1,966.1	56	165.0	1,469.5
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	37	6,177.0	744.9	26	14,144.8	62,381.1	40	13,489.0	893.4
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: SILVER HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all	14	0.0	0.3						
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all	100	0.0	11.0				100	0.0	18.0
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	28.3			
56	Twin Trawl	OPEN	all	MA	all				50	0.0	1,242.4	100	16,391.0	74.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	7,379.5
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**26**	**184,776.8**	**149,958.5**	**33**	**404,728.2**	**179,461.8**	**37**	**1,180,987.8**	**217,382.7**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ATLANTIC MACKEREL

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	6	379.0	2,052.9	15	18,956.0	18,528.1	17	5,077.3	2,388.9
6	Otter Trawl	OPEN	all	MA	lg	2	8.5	0.0	2	1,548.0	5.0	5	25.3	198.4
7	Otter Trawl	OPEN	all	NE	sm	25	263.0	37,335.4	28	38,777.1	1,147.8	34	1,118,219.3	7,219.7
8	Otter Trawl	OPEN	all	NE	lg	8	55.4	195.8	6	225.3	398.2	10	215.8	677.5
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all									
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							30	13.0	242.9
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							22	8.5	280.6
16	Shrimp Trawl	OPEN	all	NE	all							19	10.0	3.3
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	1	5.0	0.0	1	11.0	0.0	2	29.0	0.0
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	1	0.4	0.0	1	0.0	0.2			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg				1	0.0	1.1	1	50.0	0.0
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	3	90.2	4.0	10	122.7	64.7	10	129.7	105.2
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	4	404.7	9.2	5	37.7	2.7	6	275.2	46.9
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all	18	1,029.0	34.0	12	2,064.0	0.4	21	5,168.0	0.0
27	Scallop Dredge	AA	GEN	MA	all				1	0.0	0.1			
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all	1	0.0	0.5	4	0.0	4.6	7	0.0	1.6
30	Scallop Dredge	AA	LIM	NE	all	2	0.0	1.0	5	0.0	7.9			
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all									
33	Scallop Dredge	OPEN	LIM	MA	all	4	0.0	3.1	5	0.0	3.7			
34	Scallop Dredge	OPEN	LIM	NE	all	5	0.5	7.7	1	0.0	0.5	2	0.0	1.0
35	Mid-water paired & single Trawl	OPEN	all	MA	all	100	151,938.0	30.0	50	619,400.0	0.0	75	215,964.0	0.4
36	Mid-water paired & single Trawl	OPEN	all	NE	all	73	7,503,684.0	35,297.8	68	9,900,680.9	60,176.6	41	1,749,218.0	2,068.7
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ATLANTIC MACKEREL

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all	14	0.0	0.1						
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all							100	581.0	0.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	189.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all	2	0.0	1.0						
					Total	**6**	**7,657,857.7**	**74,972.5**	**8**	**10,581,822.7**	**80,341.6**	**12**	**3,094,984.1**	**13,424.1**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: BUTTERFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	56	15,776.9	9,415.7	46	5,319.1	68,577.1	54	15,870.9	86,121.2
6	Otter Trawl	OPEN	all	MA	lg	15	176.5	335.5	12	449.5	105.0	17	44.1	102.9
7	Otter Trawl	OPEN	all	NE	sm	66	7,284.4	11,661.4	65	7,386.4	51,954.4	85	27,956.5	108,488.9
8	Otter Trawl	OPEN	all	NE	lg	10	19.1	455.2	6	92.0	172.2	13	166.9	776.4
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all							50	0.5	10.3
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							7	0.0	14.1
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							4	0.0	6.7
16	Shrimp Trawl	OPEN	all	NE	all				40	0.0	8.0	44	0.0	40.6
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	19	1,392.2	0.0	26	1,749.7	0.0	22	1,797.9	0.6
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	1	0.0	0.5	1	0.5	0.0			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	1	2.1	0.0	1	0.0	0.3	1	21.0	1.0
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	< 1	0.0	0.2				< 1	0.0	0.3
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all							11	42.0	2.5
27	Scallop Dredge	AA	GEN	MA	all	1	0.0	1.0						
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all	4	0.0	0.5	8	0.0	6.8	7	0.0	0.5
30	Scallop Dredge	AA	LIM	NE	all	5	0.0	5.3	6	0.0	50.0	13	0.0	2.9
31	Scallop Dredge	OPEN	GEN	MA	all				3	0.0	0.2	2	0.0	0.2
32	Scallop Dredge	OPEN	GEN	NE	all							7	0.0	0.2
33	Scallop Dredge	OPEN	LIM	MA	all	8	0.0	1.8	9	0.0	2.1	4	0.0	0.2
34	Scallop Dredge	OPEN	LIM	NE	all	5	0.0	3.7	4	0.0	2.2	3	0.0	0.5
35	Mid-water paired & single Trawl	OPEN	all	MA	all									
36	Mid-water paired & single Trawl	OPEN	all	NE	all	20	8,721.0	17,206.0	12	503.0	149.2	17	4,244.0	6.9
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: BUTTERFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all							100	0.0	0.1
55	Scallop Trawl	OPEN	LIM	NE	all				100	0.0	0.3			
56	Twin Trawl	OPEN	all	MA	all				50	0.0	100.3	100	287.0	5.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	21,067.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all	2	0.0	25.0	29	3.3	0.0	13	1.0	0.0
					Total	**11**	**33,372.2**	**39,111.8**	**11**	**15,503.5**	**121,128.1**	**19**	**50,431.8**	**216,649.0**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ILLEX SQUID

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	17	1,445,101.8	9,560.8	23	1,834,364.0	84,093.8	13	2,061,949.4	40,129.3
6	Otter Trawl	OPEN	all	MA	lg	5	237.8	397.0	3	0.8	6.9	6	50.4	40.1
7	Otter Trawl	OPEN	all	NE	sm	36	660,526.8	38,159.1	33	1,872,680.3	21,731.9	42	2,507,757.0	78,258.6
8	Otter Trawl	OPEN	all	NE	lg	22	189.5	5,604.0	28	1,019.4	10,245.0	29	419.1	11,772.3
9	Scallop Trawl	AA	GEN	MA	all									
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all				5	0.0	9.0	17	2.3	0.0
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							52	0.0	996.3
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							35	2.3	520.5
16	Shrimp Trawl	OPEN	all	NE	all							6	0.0	1.0
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg							< 1	0.0	1.5
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg									
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all	14	218.0	50.0	12	670.0	0.0	11	1,812.0	0.0
27	Scallop Dredge	AA	GEN	MA	all				1	0.0	0.2			
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all	7	0.0	2.0	6	0.0	10.7	7	0.3	1.1
30	Scallop Dredge	AA	LIM	NE	all	2	0.0	6.5	8	6.3	37.5	17	0.0	8.7
31	Scallop Dredge	OPEN	GEN	MA	all									
32	Scallop Dredge	OPEN	GEN	NE	all	10	0.0	2.0						
33	Scallop Dredge	OPEN	LIM	MA	all	16	0.0	17.5	12	0.0	37.0	14	2.7	55.1
34	Scallop Dredge	OPEN	LIM	NE	all	13	6.8	20.2	14	1.5	14.9	19	0.0	98.1
35	Mid-water paired & single Trawl	OPEN	all	MA	all				50	90.0	0.0	25	175.0	0.0
36	Mid-water paired & single Trawl	OPEN	all	NE	all	18	440.0	30,232.2	19	2,701.0	590.0	38	18,527.0	727.9
37	Pots and Traps, Fish	OPEN	all	MA	all									

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: ILLEX SQUID

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all									
55	Scallop Trawl	OPEN	LIM	NE	all									
56	Twin Trawl	OPEN	all	MA	all				50	0.0	13,194.1	100	0.0	999.0
57	Twin Trawl	OPEN	all	NE	all							100	0.0	2,129.5
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**8**	**2,106,720.7**	**84,051.3**	**12**	**3,711,533.3**	**129,971.0**	**16**	**4,590,697.5**	**135,739.0**

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: LOLIGO SQUID

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
1	Longline	OPEN	all	MA	all									
2	Longline	OPEN	all	NE	all									
4	Hand Line	OPEN	all	NE	all									
5	Otter Trawl	OPEN	all	MA	sm	53	159,694.3	4,158.8	64	309,199.7	19,719.3	59	261,795.2	13,986.1
6	Otter Trawl	OPEN	all	MA	lg	34	588.3	202.0	42	387.5	164.9	29	388.5	163.7
7	Otter Trawl	OPEN	all	NE	sm	51	377,224.8	1,368.2	76	202,408.7	2,935.9	82	667,282.5	17,528.2
8	Otter Trawl	OPEN	all	NE	lg	16	193.3	1,164.8	19	1,668.4	3,311.6	22	2,412.4	1,958.7
9	Scallop Trawl	AA	GEN	MA	all				50	0.0	2.8			
10	Scallop Trawl	AA	LIM	MA	all									
11	Scallop Trawl	OPEN	GEN	MA	all	30	13.0	0.0	32	8.0	1.5			
13	Otter Trawl, Ruhle	OPEN	all	NE	lg							19	0.0	256.9
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							20	4.5	194.1
16	Shrimp Trawl	OPEN	all	NE	all				10	0.0	1.0	6	0.0	6.0
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm									
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg									
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg									
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm									
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	< 1	0.0	0.3				< 1	0.0	0.6
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg									
25	Purse Seine	OPEN	all	MA	all									
26	Purse Seine	OPEN	all	NE	all	5	272.0	0.0						
27	Scallop Dredge	AA	GEN	MA	all	6	0.3	7.3	5	0.0	7.4	20	0.0	34.0
28	Scallop Dredge	AA	GEN	NE	all									
29	Scallop Dredge	AA	LIM	MA	all	14	3.5	9.8	43	17.9	184.8	21	1.8	5.6
30	Scallop Dredge	AA	LIM	NE	all	13	0.0	46.2	21	0.0	69.2	40	0.0	31.4
31	Scallop Dredge	OPEN	GEN	MA	all	15	3.3	1.4	26	31.0	11.8	14	0.3	6.0
32	Scallop Dredge	OPEN	GEN	NE	all	10	0.0	1.0						
33	Scallop Dredge	OPEN	LIM	MA	all	31	0.6	29.9	31	33.3	106.7	25	28.0	18.1
34	Scallop Dredge	OPEN	LIM	NE	all	14	6.0	12.3	29	20.1	57.5	10	0.0	4.1
35	Mid-water paired & single Trawl	OPEN	all	MA	all				50	510.0	0.0			

Table 5B, continued. Percentage of NEFOP trips which encountered each individual species and reported catch weight (kept and discarded, live pounds) on NEFOP trips by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: LOLIGO SQUID

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	% Trips	Kept	Discarded	% Trips	Kept	Discarded	% Trips	Kept	Discarded
36	Mid-water paired & single Trawl	OPEN	all	NE	all	6	418,137.0	17.0	8	568.0	66.0	6	1,134.8	0.0
37	Pots and Traps, Fish	OPEN	all	MA	all									
38	Pots and Traps, Fish	OPEN	all	NE	all									
41	Pots and Traps, Hagfish	OPEN	all	MA	all									
42	Pots and Traps, Hagfish	OPEN	all	NE	all									
45	Pots and Traps, Lobster	OPEN	all	NE	all									
46	Pots and Traps, Crab	OPEN	all	MA	all									
47	Pots and Traps, Crab	OPEN	all	NE	all									
53	Hand Line	AA	all	MA	all									
54	Scallop Trawl	AA	LIM	NE	all				100	0.0	4.3			
55	Scallop Trawl	OPEN	LIM	NE	all				100	1.0	1.3			
56	Twin Trawl	OPEN	all	MA	all				50	86,830.0	0.1			
57	Twin Trawl	OPEN	all	NE	all							100	56,388.0	0.0
58	Troll Line, Other	OPEN	all	MA	all									
59	Beach Seine	OPEN	all	MA	all									
					Total	**12**	**956,136.4**	**7,019.0**	**18**	**601,683.6**	**26,646.1**	**22**	**989,436.0**	**34,193.5**

Table 6A. Number of sea turtle interactions reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 year are not presented, resulting in nonconsecutive row numbers.

Species: SEA TURTLES

(Note: excludes one loggerhead turtle interaction in 2009 and one in 2011 from two trips that could not be classified to a fleet)

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
1	Longline	OPEN	all	MA	all			
2	Longline	OPEN	all	NE	all			
3	Hand Line	OPEN	all	MA	all			
4	Hand Line	OPEN	all	NE	all			
5	Otter Trawl	OPEN	all	MA	sm	7	9	30
6	Otter Trawl	OPEN	all	MA	lg	5		5
7	Otter Trawl	OPEN	all	NE	sm		1	6
8	Otter Trawl	OPEN	all	NE	lg		1	1
9	Scallop Trawl	AA	GEN	MA	all			
10	Scallop Trawl	AA	LIM	MA	all			
11	Scallop Trawl	OPEN	GEN	MA	all			
13	Otter Trawl, Ruhle	OPEN	all	NE	lg			
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg			
16	Shrimp Trawl	OPEN	all	NE	all			
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	1		
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg		11	11
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	1	3	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg			
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg			
25	Purse Seine	OPEN	all	MA	all			
26	Purse Seine	OPEN	all	NE	all			
27	Scallop Dredge	AA	GEN	MA	all			
28	Scallop Dredge	AA	GEN	NE	all			
29	Scallop Dredge	AA	LIM	MA	all	2		
30	Scallop Dredge	AA	LIM	NE	all	1		
31	Scallop Dredge	OPEN	GEN	MA	all			
32	Scallop Dredge	OPEN	GEN	NE	all			
33	Scallop Dredge	OPEN	LIM	MA	all		1	3
34	Scallop Dredge	OPEN	LIM	NE	all			
35	Mid-water paired & single Trawl	OPEN	all	MA	all			

Table 6A, continued. Number of sea turtle interactions reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 year are not presented, resulting in non-consecutive row numbers.

Species: SEA TURTLES

(Note: excludes one loggerhead turtle interaction in 2009 and one in 2011 from two trips that could not be classified to a fleet)

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
36	Mid-water paired & single Trawl	OPEN	all	NE	all			
37	Pots and Traps, Fish	OPEN	all	MA	all			
38	Pots and Traps, Fish	OPEN	all	NE	all			
39	Pots and Traps, Conch	OPEN	all	MA	all			
41	Pots and Traps, Hagfish	OPEN	all	MA	all			
42	Pots and Traps, Hagfish	OPEN	all	NE	all			
45	Pots and Traps, Lobster	OPEN	all	NE	all			
46	Pots and Traps, Crab	OPEN	all	MA	all			
47	Pots and Traps, Crab	OPEN	all	NE	all			
53	Hand Line	AA	all	MA	all			
54	Scallop Trawl	AA	LIM	NE	all			
55	Scallop Trawl	OPEN	LIM	NE	all			
56	Twin Trawl	OPEN	all	MA	all			
57	Twin Trawl	OPEN	all	NE	all			
58	Troll Line, Other	OPEN	all	MA	all			
59	Beach Seine	OPEN	all	MA	all	1		
						18	**26**	**56**

Table 6B. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: GREEN TURTLE

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
1	Longline	OPEN	all	MA	all			
2	Longline	OPEN	all	NE	all			
3	Hand Line	OPEN	all	MA	all			
4	Hand Line	OPEN	all	NE	all			
5	Otter Trawl	OPEN	all	MA	sm			
6	Otter Trawl	OPEN	all	MA	lg			
7	Otter Trawl	OPEN	all	NE	sm			1
8	Otter Trawl	OPEN	all	NE	lg			
9	Scallop Trawl	AA	GEN	MA	all			
10	Scallop Trawl	AA	LIM	MA	all			
11	Scallop Trawl	OPEN	GEN	MA	all			
13	Otter Trawl, Ruhle	OPEN	all	NE	lg			
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg			
16	Shrimp Trawl	OPEN	all	NE	all			
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm			
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg		6	6
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg			
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg			
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg			
25	Purse Seine	OPEN	all	MA	all			
26	Purse Seine	OPEN	all	NE	all			
27	Scallop Dredge	AA	GEN	MA	all			
28	Scallop Dredge	AA	GEN	NE	all			
29	Scallop Dredge	AA	LIM	MA	all			
30	Scallop Dredge	AA	LIM	NE	all			
31	Scallop Dredge	OPEN	GEN	MA	all			
32	Scallop Dredge	OPEN	GEN	NE	all			
33	Scallop Dredge	OPEN	LIM	MA	all			
34	Scallop Dredge	OPEN	LIM	NE	all			
35	Mid-water paired & single Trawl	OPEN	all	MA	all			
36	Mid-water paired & single Trawl	OPEN	all	NE	all			

Table 6B, continued. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: GREEN TURTLE

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
37	Pots and Traps, Fish	OPEN	all	MA	all			
38	Pots and Traps, Fish	OPEN	all	NE	all			
39	Pots and Traps, Conch	OPEN	all	MA	all			
41	Pots and Traps, Hagfish	OPEN	all	MA	all			
42	Pots and Traps, Hagfish	OPEN	all	NE	all			
45	Pots and Traps, Lobster	OPEN	all	NE	all			
46	Pots and Traps, Crab	OPEN	all	MA	all			
47	Pots and Traps, Crab	OPEN	all	NE	all			
53	Hand Line	AA	all	MA	all			
54	Scallop Trawl	AA	LIM	NE	all			
55	Scallop Trawl	OPEN	LIM	NE	all			
56	Twin Trawl	OPEN	all	MA	all			
57	Twin Trawl	OPEN	all	NE	all			
58	Troll Line, Other	OPEN	all	MA	all			
59	Beach Seine	OPEN	all	MA	all			
							6	7

Table 6B, continued. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: KEMP'S RIDLEY TURTLE

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
1	Longline	OPEN	all	MA	all			
2	Longline	OPEN	all	NE	all			
3	Hand Line	OPEN	all	MA	all			
4	Hand Line	OPEN	all	NE	all			
5	Otter Trawl	OPEN	all	MA	sm			1
6	Otter Trawl	OPEN	all	MA	lg	1		
7	Otter Trawl	OPEN	all	NE	sm			
8	Otter Trawl	OPEN	all	NE	lg			
9	Scallop Trawl	AA	GEN	MA	all			
10	Scallop Trawl	AA	LIM	MA	all			
11	Scallop Trawl	OPEN	GEN	MA	all			
13	Otter Trawl, Ruhle	OPEN	all	NE	lg			
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg			
16	Shrimp Trawl	OPEN	all	NE	all			
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm			
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg		3	2
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg			
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg			
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg			
25	Purse Seine	OPEN	all	MA	all			
26	Purse Seine	OPEN	all	NE	all			
27	Scallop Dredge	AA	GEN	MA	all			
28	Scallop Dredge	AA	GEN	NE	all			
29	Scallop Dredge	AA	LIM	MA	all			
30	Scallop Dredge	AA	LIM	NE	all	1		
31	Scallop Dredge	OPEN	GEN	MA	all			
32	Scallop Dredge	OPEN	GEN	NE	all			
33	Scallop Dredge	OPEN	LIM	MA	all			
34	Scallop Dredge	OPEN	LIM	NE	all			
35	Mid-water paired & single Trawl	OPEN	all	MA	all			
36	Mid-water paired & single Trawl	OPEN	all	NE	all			
37	Pots and Traps, Fish	OPEN	all	MA	all			

Table 6B, continued. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: KEMP'S RIDLEY TURTLE

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
38	Pots and Traps, Fish	OPEN	all	NE	all			
39	Pots and Traps, Conch	OPEN	all	MA	all			
41	Pots and Traps, Hagfish	OPEN	all	MA	all			
42	Pots and Traps, Hagfish	OPEN	all	NE	all			
45	Pots and Traps, Lobster	OPEN	all	NE	all			
46	Pots and Traps, Crab	OPEN	all	MA	all			
47	Pots and Traps, Crab	OPEN	all	NE	all			
53	Hand Line	AA	all	MA	all			
54	Scallop Trawl	AA	LIM	NE	all			
55	Scallop Trawl	OPEN	LIM	NE	all			
56	Twin Trawl	OPEN	all	MA	all			
57	Twin Trawl	OPEN	all	NE	all			
58	Troll Line, Other	OPEN	all	MA	all			
59	Beach Seine	OPEN	all	MA	all	1		
						3	**3**	**3**

Table 6B, continued. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: LEATHERBACK TURTLE

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
1	Longline	OPEN	all	MA	all			
2	Longline	OPEN	all	NE	all			
3	Hand Line	OPEN	all	MA	all			
4	Hand Line	OPEN	all	NE	all			
5	Otter Trawl	OPEN	all	MA	sm			
6	Otter Trawl	OPEN	all	MA	lg	1		
7	Otter Trawl	OPEN	all	NE	sm			1
8	Otter Trawl	OPEN	all	NE	lg			
9	Scallop Trawl	AA	GEN	MA	all			
10	Scallop Trawl	AA	LIM	MA	all			
11	Scallop Trawl	OPEN	GEN	MA	all			
13	Otter Trawl, Ruhle	OPEN	all	NE	lg			
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg			
16	Shrimp Trawl	OPEN	all	NE	all			
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	1		
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg			
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg			
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg			
25	Purse Seine	OPEN	all	MA	all			
26	Purse Seine	OPEN	all	NE	all			
27	Scallop Dredge	AA	GEN	MA	all			
28	Scallop Dredge	AA	GEN	NE	all			
29	Scallop Dredge	AA	LIM	MA	all			
30	Scallop Dredge	AA	LIM	NE	all			
31	Scallop Dredge	OPEN	GEN	MA	all			
32	Scallop Dredge	OPEN	GEN	NE	all			
33	Scallop Dredge	OPEN	LIM	MA	all			
34	Scallop Dredge	OPEN	LIM	NE	all			
35	Mid-water paired & single Trawl	OPEN	all	MA	all			
36	Mid-water paired & single Trawl	OPEN	all	NE	all			
37	Pots and Traps, Fish	OPEN	all	MA	all			

Table 6B, continued. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: LEATHERBACK TURTLE

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
38	Pots and Traps, Fish	OPEN	all	NE	all			
39	Pots and Traps, Conch	OPEN	all	MA	all			
41	Pots and Traps, Hagfish	OPEN	all	MA	all			
42	Pots and Traps, Hagfish	OPEN	all	NE	all			
45	Pots and Traps, Lobster	OPEN	all	NE	all			
46	Pots and Traps, Crab	OPEN	all	MA	all			
47	Pots and Traps, Crab	OPEN	all	NE	all			
53	Hand Line	AA	all	MA	all			
54	Scallop Trawl	AA	LIM	NE	all			
55	Scallop Trawl	OPEN	LIM	NE	all			
56	Twin Trawl	OPEN	all	MA	all			
57	Twin Trawl	OPEN	all	NE	all			
58	Troll Line, Other	OPEN	all	MA	all			
59	Beach Seine	OPEN	all	MA	all			
						2		1

Table 6B, continued. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: LOGGERHEAD TURTLE

(Note: excludes one loggerhead turtle interaction in 2009 and one in 2011 from two trips that could not be classified to a fleet)

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
1	Longline	OPEN	all	MA	all			
2	Longline	OPEN	all	NE	all			
3	Hand Line	OPEN	all	MA	all			
4	Hand Line	OPEN	all	NE	all			
5	Otter Trawl	OPEN	all	MA	sm	7	8	27
6	Otter Trawl	OPEN	all	MA	lg	3		5
7	Otter Trawl	OPEN	all	NE	sm		1	4
8	Otter Trawl	OPEN	all	NE	lg			1
9	Scallop Trawl	AA	GEN	MA	all			
10	Scallop Trawl	AA	LIM	MA	all			
11	Scallop Trawl	OPEN	GEN	MA	all			
13	Otter Trawl, Ruhle	OPEN	all	NE	lg			
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg			
16	Shrimp Trawl	OPEN	all	NE	all			
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm			
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg		2	3
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	1	1	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg			
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg			
25	Purse Seine	OPEN	all	MA	all			
26	Purse Seine	OPEN	all	NE	all			
27	Scallop Dredge	AA	GEN	MA	all			
28	Scallop Dredge	AA	GEN	NE	all			
29	Scallop Dredge	AA	LIM	MA	all	2		
30	Scallop Dredge	AA	LIM	NE	all			
31	Scallop Dredge	OPEN	GEN	MA	all			
32	Scallop Dredge	OPEN	GEN	NE	all			
33	Scallop Dredge	OPEN	LIM	MA	all		1	3
34	Scallop Dredge	OPEN	LIM	NE	all			
35	Mid-water paired & single Trawl	OPEN	all	MA	all			
36	Mid-water paired & single Trawl	OPEN	all	NE	all			
37	Pots and Traps, Fish	OPEN	all	MA	all			

Table 6B, continued. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: LOGGERHEAD TURTLE

(Note: excludes one loggerhead turtle interaction in 2009 and one in 2011 from two trips that could not be classified to a fleet)

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
38	Pots and Traps, Fish	OPEN	all	NE	all			
39	Pots and Traps, Conch	OPEN	all	MA	all			
41	Pots and Traps, Hagfish	OPEN	all	MA	all			
42	Pots and Traps, Hagfish	OPEN	all	NE	all			
45	Pots and Traps, Lobster	OPEN	all	NE	all			
46	Pots and Traps, Crab	OPEN	all	MA	all			
47	Pots and Traps, Crab	OPEN	all	NE	all			
53	Hand Line	AA	all	MA	all			
54	Scallop Trawl	AA	LIM	NE	all			
55	Scallop Trawl	OPEN	LIM	NE	all			
56	Twin Trawl	OPEN	all	MA	all			
57	Twin Trawl	OPEN	all	NE	all			
58	Troll Line, Other	OPEN	all	MA	all			
59	Beach Seine	OPEN	all	MA	all			
						13	**13**	**43**

Table 6B, continued. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: TURTLES, UNK HARD-SHELL

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
1	Longline	OPEN	all	MA	all			
2	Longline	OPEN	all	NE	all			
3	Hand Line	OPEN	all	MA	all			
4	Hand Line	OPEN	all	NE	all			
5	Otter Trawl	OPEN	all	MA	sm		1	2
6	Otter Trawl	OPEN	all	MA	lg			
7	Otter Trawl	OPEN	all	NE	sm			
8	Otter Trawl	OPEN	all	NE	lg		1	
9	Scallop Trawl	AA	GEN	MA	all			
10	Scallop Trawl	AA	LIM	MA	all			
11	Scallop Trawl	OPEN	GEN	MA	all			
13	Otter Trawl, Ruhle	OPEN	all	NE	lg			
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg			
16	Shrimp Trawl	OPEN	all	NE	all			
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm			
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg			
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg		2	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg			
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg			
25	Purse Seine	OPEN	all	MA	all			
26	Purse Seine	OPEN	all	NE	all			
27	Scallop Dredge	AA	GEN	MA	all			
28	Scallop Dredge	AA	GEN	NE	all			
29	Scallop Dredge	AA	LIM	MA	all			
30	Scallop Dredge	AA	LIM	NE	all			
31	Scallop Dredge	OPEN	GEN	MA	all			
32	Scallop Dredge	OPEN	GEN	NE	all			
33	Scallop Dredge	OPEN	LIM	MA	all			
34	Scallop Dredge	OPEN	LIM	NE	all			
35	Mid-water paired & single Trawl	OPEN	all	MA	all			
36	Mid-water paired & single Trawl	OPEN	all	NE	all			
37	Pots and Traps, Fish	OPEN	all	MA	all			

Table 6B, continued. Number of sea turtle interactions, by individual turtle species, reported on NEFOP trips, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Confidential fleets and fleets with no NEFOP trips in any of the 3 years are not presented, resulting in nonconsecutive row numbers.

Species: TURTLES, UNK HARD-SHELL

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
38	Pots and Traps, Fish	OPEN	all	NE	all			
39	Pots and Traps, Conch	OPEN	all	MA	all			
41	Pots and Traps, Hagfish	OPEN	all	MA	all			
42	Pots and Traps, Hagfish	OPEN	all	NE	all			
45	Pots and Traps, Lobster	OPEN	all	NE	all			
46	Pots and Traps, Crab	OPEN	all	MA	all			
47	Pots and Traps, Crab	OPEN	all	NE	all			
53	Hand Line	AA	all	MA	all			
54	Scallop Trawl	AA	LIM	NE	all			
55	Scallop Trawl	OPEN	LIM	NE	all			
56	Twin Trawl	OPEN	all	MA	all			
57	Twin Trawl	OPEN	all	NE	all			
58	Troll Line, Other	OPEN	all	MA	all			
59	Beach Seine	OPEN	all	MA	all			
							4	2

Table 7A. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). These CVs were not used in annual SBRM sample size analyses.

	SBRM 2009			SBRM 2010			SBRM 2011		
Species Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
ATLANTIC SALMON	0	0		0	0		0	0	
BLUEFISH	2,545,313	170,085	0.167	2,115,456	142,100	0.232	2,875,102	203,550	0.405
FLUKE - SCUP - BLACK SEA BASS	13,823,651	7,809,785	0.260	15,227,151	4,866,151	0.182	17,898,346	6,331,900	0.102
HERRING, ATLANTIC	169,625,942	1,476,876	0.521	185,476,128	668,530	1.130	190,589,828	599,714	0.354
LARGE MESH GROUNDFISH	56,597,031	12,231,001	0.089	60,170,896	9,734,069	0.052	60,044,095	9,979,956	0.051
MONKFISH	20,301,396	8,548,424	0.097	15,629,517	5,289,487	0.096	12,244,320	4,711,638	0.069
RED CRAB	2,647,568	825,233	0.135	2,418,843	4,132,415	0.036	3,324,653	303,682	0.517
SEA SCALLOP	477,707,901	11,392,431	0.195	410,029,101	14,448,411	0.111	399,868,471	18,126,911	0.152
SKATE COMPLEX	37,618,031	120,158,200	0.051	35,658,370	100,636,955	0.056	38,367,354	82,277,828	0.053
SMALL MESH GROUNDFISH	16,230,030	8,291,253	0.339	14,912,540	3,365,134	0.333	17,257,278	4,463,160	0.214
SPINY DOGFISH	2,355,464	24,352,086	0.146	3,692,163	22,031,631	0.120	8,299,930	19,285,729	0.080
SQUID - BUTTERFISH - MACKEREL	90,120,794	5,393,356	0.351	109,662,242	4,677,924	0.476	81,639,729	4,005,073	0.241
SURFCLAM - OCEAN QUAHOG	593,029,999	153,827	0.531	268,378,952	225,516	0.588	242,156,710	55,119	0.549
TILEFISH	1,505,197	16,806	0.526	1,285,081	6,835	1.010	1,614,830	16,349	0.269

Table 7B. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the SBRM species groups in Table 7A, for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). These CVs were not used in annual SBRM sample size analyses.

	SBRM 2009			SBRM 2010			SBRM 2011		
Individual Species	**Kept**	**Discarded**	**CV**	**Kept**	**Discarded**	**CV**	**Kept**	**Discarded**	**CV**
BLACK SEA BASS	1,629,705	654,155	0.244	1,213,840	228,157	0.379	1,064,220	385,578	0.204
FLUKE	7,385,138	5,048,001	0.092	8,398,295	3,047,413	0.098	10,008,094	3,802,316	0.082
SCUP	4,808,808	2,107,628	0.799	5,615,016	1,590,582	0.474	6,826,032	2,144,007	0.200
AMERICAN PLAICE	2,028,049	494,661	0.086	2,504,878	607,927	0.078	2,791,326	962,346	0.116
ATLANTIC COD	15,440,421	2,033,219	0.122	14,763,418	2,100,653	0.085	16,892,012	2,560,393	0.090
ATLANTIC HALIBUT	14,345	16,176	0.123	18,609	17,812	0.128	20,631	38,735	0.107
ATLANTIC WOLFFISH	87,205	6,608	0.227	63,159	22,439	0.252	22,831	20,166	0.158
HADDOCK	9,187,187	1,330,544	0.238	10,921,520	539,436	0.260	15,739,389	171,808	0.143
OCEAN POUT	18,420	243,518	0.254	11,428	211,991	0.149	1,860	205,840	0.120
POLLOCK	15,769,491	564,405	0.197	17,301,103	276,282	0.128	10,866,326	387,843	0.250
REDFISH	1,855,507	299,268	0.172	2,585,519	364,706	0.178	2,789,778	528,503	0.168
WHITE HAKE	1,694,383	621,444	0.498	1,724,539	220,826	1.256	2,092,871	195,959	0.148
WINDOWPANE FLOUNDER	267,158	2,018,496	0.090	191,765	1,711,056	0.087	83,149	1,772,030	0.114
WINTER FLOUNDER	4,829,897	1,553,017	0.524	4,548,850	1,097,987	0.131	3,813,274	833,562	0.125
WITCH FLOUNDER	2,176,138	237,495	0.145	1,913,148	392,207	0.127	1,765,908	423,128	0.111
YELLOWTAIL FLOUNDER	3,316,035	2,818,756	0.118	3,622,960	2,170,747	0.091	3,164,740	1,879,643	0.133
OFFSHORE HAKE	436,239	3,711	0.323	443,946	2,326	0.550	286,949	54,227	0.564
RED HAKE	1,553,915	3,465,945	0.435	1,652,006	1,307,486	0.448	1,643,450	2,177,395	0.290
SILVER HAKE	14,239,876	4,821,597	0.324	12,816,588	2,055,321	0.354	15,326,879	2,231,538	0.200
ATLANTIC MACKEREL	46,253,105	2,047,300	0.611	50,589,174	295,791	0.991	21,475,002	115,323	0.311
BUTTERFISH	1,469,495	735,543	0.584	812,858	1,960,710	0.801	838,364	1,992,923	0.261
ILLEX SQUID	17,523,814	2,421,652	0.436	34,054,702	2,132,097	0.428	43,203,110	1,438,878	0.466
LOLIGO SQUID	24,873,659	167,478	0.335	24,205,340	283,394	0.946	16,122,589	432,326	0.306

Table 8. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for the 14 SBRM species groups combined in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses.

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	1,421,308	172,685	0.000	1,255,254			1,628,557		
2	Longline	OPEN	all	NE	all	1,571,581	1,592,600	0.412	1,565,462	442,492	0.097	1,788,136	1,078,062	0.184
3	Hand Line	OPEN	all	MA	all	341,713			247,730			372,395		
4	Hand Line	OPEN	all	NE	all	343,039	25,607	0.014	444,580	248,814	0.714	694,416	142,956	0.583
5	Otter Trawl	OPEN	all	MA	sm	33,283,603	12,833,779	0.178	42,285,800	11,112,724	0.221	43,700,794	11,483,043	0.135
6	Otter Trawl	OPEN	all	MA	lg	12,861,810	14,403,529	0.140	18,710,275	21,687,442	0.195	14,933,585	14,413,851	0.104
7	Otter Trawl	OPEN	all	NE	sm	42,095,454	18,183,918	0.261	47,973,152	7,017,818	0.388	51,361,029	10,353,575	0.133
8	Otter Trawl	OPEN	all	NE	lg	72,344,282	52,786,414	0.042	70,800,598	48,762,523	0.040	69,725,229	49,571,414	0.052
9	Scallop Trawl	AA	GEN	MA	all	307,491	64,748	0.101	284,038	597,792	0.000	402,021		
10	Scallop Trawl	AA	LIM	MA	all	262,370	62,589	0.000	156,148			485,645		
11	Scallop Trawl	OPEN	GEN	MA	all	2,463,502	1,098,035	0.113	2,668,743	3,667,979	0.072	1,388,856	1,226,901	0.057
12	Scallop Trawl	OPEN	LIM	MA	all	436,734			218,521			74,943		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				12,332			122,378	44,302	0.091
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							470,990	213,783	0.023
15	Shrimp Trawl	OPEN	all	MA	all	686,789			2,387,458			813,385		
16	Shrimp Trawl	OPEN	all	NE	all	179,243	238,606	0.256	138,720	184,351	0.243	328,255	622,919	0.204
17	Floating Trap	OPEN	all	MA	all				332			139,947		
18	Floating Trap	OPEN	all	NE	all				303,689			196,430		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	783,855	306,910	0.393	709,579	66,324	2.134	833,452	64,926	0.168
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	971,898	1,875,668	1.171	1,447,621	279,590	1.709	2,242,281	239,065	0.428
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	6,430,163	1,164,489	0.235	5,792,975	1,227,275	0.206	6,197,956	861,678	0.242
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	83,630	4,794	0.008	69,314	0		21,440		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	14,469,180	6,600,946	0.138	16,851,328	6,739,768	0.193	17,077,768	7,183,810	0.139
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	17,699,421	2,564,438	0.121	16,971,487	2,955,527	0.141	20,195,464	2,056,403	0.106
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	70,320,994	845,806	0.540	58,264,823	120,666	0.616	35,360,914	145,321	0.515
27	Scallop Dredge	AA	GEN	MA	all	5,218,788	283,225	0.126	4,249,165	408,793	0.128	1,486,885	268,074	0.105
28	Scallop Dredge	AA	GEN	NE	all	903,592	63,809	0.094	945,668	107,088	0.084	188,441		
29	Scallop Dredge	AA	LIM	MA	all	43,692,921	2,120,272	0.316	44,642,709	2,764,112	0.118	34,965,191	2,760,965	0.214
30	Scallop Dredge	AA	LIM	NE	all	43,274,147	3,001,495	0.089	29,242,952	2,699,551	0.071	18,071,415	2,066,892	0.168
31	Scallop Dredge	OPEN	GEN	MA	all	30,462,361	7,131,603	0.179	23,152,460	4,187,440	0.204	11,629,388	2,307,734	0.229
32	Scallop Dredge	OPEN	GEN	NE	all	10,046,491	2,078,613	0.594	5,561,059	1,712,938	0.266	5,924,038	1,295,819	0.334

See supporting text for abbreviations.

Table 8, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for the 14 SBRM species groups combined in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses.

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	123,450,165	27,644,745	0.139	120,117,811	19,147,645	0.112	138,296,420	11,692,045	0.157
34	Scallop Dredge	OPEN	LIM	NE	all	208,618,639	41,531,796	0.080	167,255,837	27,830,983	0.090	182,392,524	29,405,747	0.122
35	Mid-water paired & single Trawl	OPEN	all	MA	all	12,186,984	0		22,411,002	14,304	0.680	7,969,700	1,863	0.898
36	Mid-water paired & single Trawl	OPEN	all	NE	all	123,342,415	1,161,318	0.369	141,890,299	1,385,702	0.203	155,951,377	859,462	0.178
37	Pots and Traps, Fish	OPEN	all	MA	all	665,683	345,051	0.123	493,205			318,939		
38	Pots and Traps, Fish	OPEN	all	NE	all	265,397	222,796	0.000	113,910	84,474	0.537	117,622	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	969			1,383			2,761		
40	Pots and Traps, Conch	OPEN	all	NE	all	565			1,310			4,655		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	161	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	59	0.758	550,000	38	1.890	80	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	166,204			170,857			63,792		
45	Pots and Traps, Lobster	OPEN	all	NE	all	33,552			229,768	1,307,127	0.000	19,914		
46	Pots and Traps, Crab	OPEN	all	MA	all	643,390	409,022	0.000	732,425	1,501,368	0.000	16		
47	Pots and Traps, Crab	OPEN	all	NE	all	1,888,205			1,615,422	1,962,509	0.000	3,265,715		
48	Beam Trawl	OPEN	all	MA	all				584,688			327,753		
49	Beam Trawl	OPEN	all	NE	all				68,660			68,235		
50	Dredge, Other	OPEN	all	MA	all				295,142			46,004		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	404,278,164			187,053,811			153,068,205		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	192,226,668			82,588,910			90,680,356		
	Other fleets					3,384,798			1,128,028			764,954		
					TOTAL	1,484,108,318	200,819,363	0.042	1,124,656,440	170,225,158	0.041	1,076,180,646	150,360,611	0.037

See supporting text for abbreviations.

Table 9A. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: ATLANTIC SALMON

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	0			0			0		
4	Hand Line	OPEN	all	NE	all	0	0		0	0		0	0	
5	Otter Trawl	OPEN	all	MA	sm	0	0		0	0		0	0	
6	Otter Trawl	OPEN	all	MA	lg	0	0		0	0		0	0	
7	Otter Trawl	OPEN	all	NE	sm	0	0		0	0		0	0	
8	Otter Trawl	OPEN	all	NE	lg	0	0		0	0		0	0	
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	0	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	0	
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	0	0		0	0		0	0	
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	0	0		0	0		0	0	
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	0		0	0		0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	

See supporting text for abbreviations.

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: ATLANTIC SALMON

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	
33	Scallop Dredge	OPEN	LIM	MA	all	0	0		0	0		0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	0	0		0	0		0	0	
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					0			0			0		
					TOTAL	0	0		0	0		0	0	

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: BLUEFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	3	0		74			5		
2	Longline	OPEN	all	NE	all	966	0		260	0		81	46	0.557
3	Hand Line	OPEN	all	MA	all	95,553			79,303			80,055		
4	Hand Line	OPEN	all	NE	all	20,348	0		27,448	0		8,847	4,096	9.829
5	Otter Trawl	OPEN	all	MA	sm	551,386	14,339	0.447	260,152	10,504	0.970	379,943	98,758	0.675
6	Otter Trawl	OPEN	all	MA	lg	134,544	8,112	0.454	88,463	1,282	0.720	195,990	2,967	0.622
7	Otter Trawl	OPEN	all	NE	sm	222,664	21,154	0.672	86,383	1,220	0.411	168,873	26,321	0.890
8	Otter Trawl	OPEN	all	NE	lg	76,215	41,125	0.232	28,774	34,406	0.235	52,168	22,820	0.384
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	10	0		0			12		
11	Scallop Trawl	OPEN	GEN	MA	all	40	0		2,400	0		120	0	
12	Scallop Trawl	OPEN	LIM	MA	all	20			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	0	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	4	0.044
15	Shrimp Trawl	OPEN	all	MA	all	789			1,246			1,269		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		70	0		130	0	
17	Floating Trap	OPEN	all	MA	all				0			139,639		
18	Floating Trap	OPEN	all	NE	all				6,254			472		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	715,761	19,201	0.730	554,608	131	1.005	621,354	4,580	0.624
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	484,858	4,806	1.134	812,790	0		1,046,040	2,223	1.511
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	6,324	4,055	0.992	19,203	16,470	0.636	20,036	21,134	0.343
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	53,385	0		16,295	0		15		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	158,581	5,076	0.807	125,618	63,418	0.438	150,185	15,727	0.363
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	10,310	48,845	0.284	3,067	14,458	0.369	3,378	3,990	0.502
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		8	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	0		0	0		0	14	0.890
31	Scallop Dredge	OPEN	GEN	MA	all	60	0		0	211	0.829	695	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		10	0		300	0	

See supporting text for abbreviations.

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: BLUEFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	400	0		130	0		0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	0	425	0.912	0	0		0	563	0.823
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		60	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	3,625	2,947	0.848	247	0		42	309	0.599
37	Pots and Traps, Fish	OPEN	all	MA	all	1,081	0		551			1,293		
38	Pots and Traps, Fish	OPEN	all	NE	all	285	0		96	0		33	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	10			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	384			750			839		
45	Pots and Traps, Lobster	OPEN	all	NE	all	4			23	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		12		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				825			1,664		
49	Beam Trawl	OPEN	all	NE	all				127			226		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	170			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					7,537			221			1,386		
					TOTAL	2,545,313	170,085	0.167	2,115,456	142,100	0.232	2,875,102	203,550	0.405

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: FLUKE - SCUP - BLACK SEA BASS

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	327	0		372			1,230		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	74	1.380
3	Hand Line	OPEN	all	MA	all	217,373			125,025			254,148		
4	Hand Line	OPEN	all	NE	all	34,109	0		35,584	0		36,143	0	
5	Otter Trawl	OPEN	all	MA	sm	3,047,958	1,834,784	0.322	3,313,762	715,731	0.663	3,674,563	1,265,427	0.295
6	Otter Trawl	OPEN	all	MA	lg	5,977,738	527,788	0.277	6,901,691	829,776	0.319	8,599,871	848,382	0.166
7	Otter Trawl	OPEN	all	NE	sm	1,483,805	993,007	1.918	1,369,189	742,568	0.880	1,853,403	1,535,929	0.278
8	Otter Trawl	OPEN	all	NE	lg	1,586,411	1,452,314	0.106	1,982,894	683,865	0.123	2,367,016	1,233,229	0.112
9	Scallop Trawl	AA	GEN	MA	all	3,142	2,395	0.227	577	14,765	0.000	350		
10	Scallop Trawl	AA	LIM	MA	all	35,485	3,488	0.000	5			25,935		
11	Scallop Trawl	OPEN	GEN	MA	all	50,726	5,665	0.286	45,605	107,940	0.224	30,590	2,208	0.180
12	Scallop Trawl	OPEN	LIM	MA	all	32,495			31,850			28,400		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			10	11	0.133
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	338	0.179
15	Shrimp Trawl	OPEN	all	MA	all	19,632			106,594			53,472		
16	Shrimp Trawl	OPEN	all	NE	all	958	0		1,689	0		9,504	56	0.602
17	Floating Trap	OPEN	all	MA	all				0			305		
18	Floating Trap	OPEN	all	NE	all				256,922			109,033		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	4,454	404	1.726	3,264	317	2.010	1,811	9,093	0.554
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	10,289	0		19,502	0		18,344	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	30,081	15,697	0.594	14,650	13,050	0.682	27,116	43,778	0.679
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	4,317	288	0.009	2,544	0		1,731		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	63,754	11,361	0.465	62,865	7,431	0.593	51,541	525	0.506
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	25,362	60,993	0.225	22,001	180,273	0.542	29,117	62,257	0.371
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		263	0		20	0	
27	Scallop Dredge	AA	GEN	MA	all	292	4,237	0.343	797	7,308	0.131	296	2,741	1.734
28	Scallop Dredge	AA	GEN	NE	all	770	671	0.227	0	153	0.226	0		
29	Scallop Dredge	AA	LIM	MA	all	10,553	62,038	0.316	12,315	115,395	0.167	19,078	148,485	0.308
30	Scallop Dredge	AA	LIM	NE	all	121	87,587	0.153	0	84,480	0.121	0	127,786	0.193
31	Scallop Dredge	OPEN	GEN	MA	all	15,635	208,400	0.471	9,695	28,669	0.368	22,625	14,603	0.996
32	Scallop Dredge	OPEN	GEN	NE	all	105	23,627	1.342	2,342	31,819	1.361	56	23,887	0.563

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: FLUKE - SCUP - BLACK SEA BASS

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	42,415	726,888	0.262	44,979	660,745	0.277	60,104	269,898	0.265
34	Scallop Dredge	OPEN	LIM	NE	all	189	1,225,553	0.167	9,555	552,863	0.178	3,780	743,194	0.286
35	Mid-water paired & single Trawl	OPEN	all	MA	all	8,000	0		45,724	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	3,452	2,395	1.179	419	4,858	0.954	0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	659,483	337,409	0.126	481,498			306,663		
38	Pots and Traps, Fish	OPEN	all	NE	all	258,482	222,796	0.000	113,119	84,146	0.539	115,220	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	759			1,328			1,061		
40	Pots and Traps, Conch	OPEN	all	NE	all	565			1,310			750		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		80	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	39,428			78,988			31,493		
45	Pots and Traps, Lobster	OPEN	all	NE	all	9,026			10,424	0		10,538		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		115		
48	Beam Trawl	OPEN	all	MA	all				100,127			78,282		
49	Beam Trawl	OPEN	all	NE	all				16,461			17,152		
50	Dredge, Other	OPEN	all	MA	all				0			362		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			220			50		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					145,960			1,002			56,988		
					TOTAL	13,823,651	7,809,785	0.260	15,227,151	4,866,151	0.182	17,898,346	6,331,900	0.102

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: HERRING, ATLANTIC

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	2	1.102	0	0	
3	Hand Line	OPEN	all	MA	all	60			178			101		
4	Hand Line	OPEN	all	NE	all	102	0		26	0		0	0	
5	Otter Trawl	OPEN	all	MA	sm	748,810	1,461	0.946	46,827	14,832	1.414	85,829	222,190	0.782
6	Otter Trawl	OPEN	all	MA	lg	9,174	28	1.175	7,989	175	1.003	2,525	151	0.973
7	Otter Trawl	OPEN	all	NE	sm	6,303,646	396,618	1.450	7,594,790	212,788	3.421	8,129,141	217,432	0.505
8	Otter Trawl	OPEN	all	NE	lg	91,470	14,474	0.233	157,065	10,923	0.252	18,050	22,972	0.238
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	104	0.107
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	66	0.103
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	29,270	12,089	0.494	12,620	18,641	0.336	162,220	70,873	0.659
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				10,725			10,645		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	2,102	0		977	0		3,464	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	682	0		79	0		32	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	180	16	1.400	30	0		2	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	0	10,076	0.665	6,990	3,821	0.512	1	1,287	0.389
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	400	0		700	230	0.491	40	1	0.848
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	70,320,994	687,088	0.637	58,262,422	10,983	0.567	35,359,384	2,288	0.901
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	0		0	10	0.470	0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: HERRING, ATLANTIC

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	56	1.070	0	15	0.989	0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	0	31	0.825	0	0		0	49	0.744
35	Mid-water paired & single Trawl	OPEN	all	MA	all	5,453,126	0		12,732,000	0		3,664,000	9	0.307
36	Mid-water paired & single Trawl	OPEN	all	NE	all	86,653,435	354,940	0.750	106,092,660	396,110	0.507	143,150,402	62,292	0.408
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		550,000	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			50	0		59		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		3		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			3,930		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					12,491			0			0		
					TOTAL	169,625,942	1,476,876	0.521	185,476,128	668,530	1.130	190,589,828	599,714	0.354

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: LARGE MESH GROUNDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	3,032	0		9,302			10,918		
2	Longline	OPEN	all	NE	all	1,194,238	322,197	0.439	1,317,883	120,016	0.142	1,196,535	71,667	0.147
3	Hand Line	OPEN	all	MA	all	7,970			22,320			7,016		
4	Hand Line	OPEN	all	NE	all	173,290	15,480	0.020	283,608	93,124	0.322	336,029	138,860	0.525
5	Otter Trawl	OPEN	all	MA	sm	49,935	219,239	0.381	24,955	171,115	0.336	14,786	307,913	0.271
6	Otter Trawl	OPEN	all	MA	lg	1,011,483	830,880	0.435	599,992	627,887	0.249	166,763	433,702	0.186
7	Otter Trawl	OPEN	all	NE	sm	541,856	1,150,126	0.773	188,702	296,077	1.024	211,510	433,511	0.307
8	Otter Trawl	OPEN	all	NE	lg	39,883,553	5,235,361	0.062	42,253,570	5,223,893	0.051	43,828,228	5,830,868	0.063
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	143	0.000	0		
10	Scallop Trawl	AA	LIM	MA	all	0	49	0.000	0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	285	2,052	0.144	550	43,986	0.115	0	73,367	0.054
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				12,315			122,276	4,045	0.147
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							445,703	22,304	0.043
15	Shrimp Trawl	OPEN	all	MA	all	533			375			728		
16	Shrimp Trawl	OPEN	all	NE	all	95,227	94,834	0.433	46,929	67,839	0.279	30,782	131,311	0.241
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	271	1,398	0.570	167	0		270	337	0.502
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	3,749	3,352	0.599	1,112	31,646	0.290	97	966	0.679
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	308	0		2,177	0		2,533	100	2.206
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	10,021	0		13,694	0		13,062		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	12,318,855	873,608	0.176	14,091,946	721,373	0.138	12,036,869	1,019,883	0.134
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	1,171,122	48,230	0.315	1,249,462	57,590	0.317	1,502,377	112,204	0.373
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	538	0.809
27	Scallop Dredge	AA	GEN	MA	all	0	863	0.243	0	277	0.280	0	10	20.216
28	Scallop Dredge	AA	GEN	NE	all	0	1,009	0.166	0	921	0.122	0		
29	Scallop Dredge	AA	LIM	MA	all	289	16,378	0.323	0	36,690	0.303	0	6,901	0.459
30	Scallop Dredge	AA	LIM	NE	all	3,645	92,821	0.146	503	63,671	0.096	95	22,334	0.492
31	Scallop Dredge	OPEN	GEN	MA	all	112	314,237	0.390	185	101,544	0.335	29	21,834	0.229
32	Scallop Dredge	OPEN	GEN	NE	all	336	100,964	0.698	988	168,756	0.514	25	24,552	1.514

See supporting text for abbreviations.

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: LARGE MESH GROUNDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	46	369,327	0.247	980	228,406	0.202	297	438,373	0.453
34	Scallop Dredge	OPEN	LIM	NE	all	20,625	2,535,525	0.113	4,895	1,500,666	0.117	2,810	870,249	0.186
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	50,385	3,063	0.913	8,900	178,431	0.617	67,519	14,128	0.304
37	Pots and Traps, Fish	OPEN	all	MA	all	2,973	0		3,126			2,041		
38	Pots and Traps, Fish	OPEN	all	NE	all	5,226	0		159	0		1,959	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			1			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			3,905		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	8	0.885	0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	2,696			4,800			824		
45	Pots and Traps, Lobster	OPEN	all	NE	all	5,625			3,773	0		2,647		
46	Pots and Traps, Crab	OPEN	all	MA	all	2,100	0		0	18	0.000	1		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				289			0		
49	Beam Trawl	OPEN	all	NE	all				21,833			35,461		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					37,245			1,405			0		
					TOTAL	56,597,031	12,231,001	0.089	60,170,896	9,734,069	0.052	60,044,095	9,979,956	0.051

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: MONKFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	60	1,875	0.000	52			3		
2	Longline	OPEN	all	NE	all	757	102	0.449	347	5	0.601	1,447	33	0.946
3	Hand Line	OPEN	all	MA	all	3,753			6,516			2,540		
4	Hand Line	OPEN	all	NE	all	30	0		3,147	0		1,920	0	
5	Otter Trawl	OPEN	all	MA	sm	168,109	199,526	0.380	225,350	23,032	0.748	117,672	112,659	0.418
6	Otter Trawl	OPEN	all	MA	lg	315,498	96,593	0.418	236,987	27,518	0.272	157,402	170,977	0.166
7	Otter Trawl	OPEN	all	NE	sm	190,909	88,512	0.447	149,244	28,671	1.985	103,879	67,368	0.528
8	Otter Trawl	OPEN	all	NE	lg	6,745,523	620,289	0.074	5,503,269	581,081	0.134	4,469,021	711,231	0.081
9	Scallop Trawl	AA	GEN	MA	all	389	1,080	0.128	71	1,714	0.000	531		
10	Scallop Trawl	AA	LIM	MA	all	1,906	1,167	0.000	5			812		
11	Scallop Trawl	OPEN	GEN	MA	all	5,918	667	0.399	3,371	20,683	0.096	1,649	30,133	0.069
12	Scallop Trawl	OPEN	LIM	MA	all	1,797			450			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				17			0	112	0.164
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							431	414	0.088
15	Shrimp Trawl	OPEN	all	MA	all	1,523			494			481		
16	Shrimp Trawl	OPEN	all	NE	all	20,834	3,345	0.772	3,552	2,796	0.577	720	205	0.784
17	Floating Trap	OPEN	all	MA	all				332			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	6,005	0		1,448	0		1,062	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	2,034	0		2,106	24,041	0.290	4,146	793	0.709
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	5,313,533	194,863	0.470	4,281,898	269,162	0.252	2,651,708	167,290	0.306
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	1,153	0		1,909	0		1,569		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	390,519	11,965	0.286	377,228	10,238	0.305	289,234	12,050	0.284
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	5,116,608	287,868	0.243	3,653,454	201,606	0.286	3,605,000	211,237	0.261
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	15	1.123	0	91	0.983
27	Scallop Dredge	AA	GEN	MA	all	3,793	21,864	0.162	1,481	10,274	0.155	209	16,370	0.061
28	Scallop Dredge	AA	GEN	NE	all	0	7,719	0.137	71	5,269	0.115	0		
29	Scallop Dredge	AA	LIM	MA	all	47,391	250,106	0.202	30,655	165,794	0.162	41,933	297,918	0.224
30	Scallop Dredge	AA	LIM	NE	all	71,232	420,509	0.117	15,853	182,979	0.099	30,181	219,869	0.210
31	Scallop Dredge	OPEN	GEN	MA	all	188,833	295,570	0.624	90,893	64,651	0.272	43,556	42,517	0.460
32	Scallop Dredge	OPEN	GEN	NE	all	29,905	123,506	0.455	23,972	132,892	0.361	25,496	42,673	1.094

See supporting text for abbreviations.

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: MONKFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	437,671	2,629,169	0.236	254,933	788,906	0.157	168,149	1,177,734	0.185
34	Scallop Dredge	OPEN	LIM	NE	all	1,175,704	3,291,871	0.148	720,672	2,748,147	0.171	498,243	1,429,710	0.131
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	23	258	0.825	17	13	1.006	40	254	0.471
37	Pots and Traps, Fish	OPEN	all	MA	all	171	0		255			1,788		
38	Pots and Traps, Fish	OPEN	all	NE	all	734	0		43	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	17			1,029			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	3,065			64	0		6		
46	Pots and Traps, Crab	OPEN	all	MA	all	13	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				25,372			3,186		
49	Beam Trawl	OPEN	all	NE	all				2,032			3,284		
50	Dredge, Other	OPEN	all	MA	all				10			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	26,330			8,481			9,591		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	22,817			577			6,471		
	Other fleets					6,840			1,860			960		
					TOTAL	20,301,396	8,548,424	0.097	15,629,517	5,289,487	0.096	12,244,320	4,711,638	0.069

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: RED CRAB

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	0			0			0		
4	Hand Line	OPEN	all	NE	all	0	0		0	0		0	0	
5	Otter Trawl	OPEN	all	MA	sm	250	0		210	16	1.616	800	18,445	0.751
6	Otter Trawl	OPEN	all	MA	lg	15	62,826	0.854	1,700	53	0.774	0	213	1.023
7	Otter Trawl	OPEN	all	NE	sm	0	0		0	1,155	3.036	0	408	0.547
8	Otter Trawl	OPEN	all	NE	lg	100	345,691	0.281	2,335	665,721	0.226	2,027	283,980	0.551
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	0	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	22	0.081
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		0	40	1.106	0	0	
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	49	0.777	0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	0	35	1.925	0	1,205	0.713	0	172	0.580
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	0	0		0	21	0.977	0	70	0.721
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0	0.472	0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	10	0.727	0	0		0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	32	0.784
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: RED CRAB

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	0		0	0		0	333	0.884
34	Scallop Dredge	OPEN	LIM	NE	all	0	5	1.239	0	296	0.827	0	8	0.854
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	412	7,642	0.408	0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		56	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	161	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	117,138			735			80		
45	Pots and Traps, Lobster	OPEN	all	NE	all	10			65,960	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	641,277	409,022	0.000	732,425	1,501,350	0.000	0		
47	Pots and Traps, Crab	OPEN	all	NE	all	1,888,205			1,615,422	1,962,509	0.000	3,265,600		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					0			0			56,146		
					TOTAL	2,647,568	825,233	0.135	2,418,843	4,132,415	0.036	3,324,653	303,682	0.517

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SEA SCALLOP

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	25,032	136	0.807	0	42	1.912	0	552	0.365
3	Hand Line	OPEN	all	MA	all	1,883			3,340			6,514		
4	Hand Line	OPEN	all	NE	all	0	0		0	0		141,610	0	
5	Otter Trawl	OPEN	all	MA	sm	46,697	175,993	0.470	144,394	184,784	0.930	32,922	292,155	0.371
6	Otter Trawl	OPEN	all	MA	lg	3,613,114	654,223	0.859	8,519,702	164,338	0.288	2,994,332	387,956	0.253
7	Otter Trawl	OPEN	all	NE	sm	153,123	9,518	1.109	179,720	994	0.647	41,912	90,568	0.728
8	Otter Trawl	OPEN	all	NE	lg	383,881	79,736	0.286	213,473	146,273	0.181	272,093	83,659	0.283
9	Scallop Trawl	AA	GEN	MA	all	303,953	48,389	0.127	282,387	396,687	0.000	401,090		
10	Scallop Trawl	AA	LIM	MA	all	224,602	23,999	0.000	156,138			458,866		
11	Scallop Trawl	OPEN	GEN	MA	all	2,396,993	77,892	0.211	2,588,188	226,625	0.085	1,355,911	130,215	0.155
12	Scallop Trawl	OPEN	LIM	MA	all	402,372			186,101			43,043		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	2	0.173
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	17	0.149
15	Shrimp Trawl	OPEN	all	MA	all	606,822			555,689			13,578		
16	Shrimp Trawl	OPEN	all	NE	all	17	153	0.957	53,237	728	0.754	0	548	0.522
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	6,664	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	550	2,744	0.935	158	3,517	0.698	6,006	60	1.087
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	0	21	0.718	0	0		0	296	0.955
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	641	205	0.684	23,491	18,473	1.077	283	370	0.448
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	2	1.123	0	0	
27	Scallop Dredge	AA	GEN	MA	all	5,213,013	133,378	0.200	4,246,587	330,579	0.154	1,486,380	208,857	0.131
28	Scallop Dredge	AA	GEN	NE	all	902,822	43,608	0.129	945,597	88,854	0.100	188,441		
29	Scallop Dredge	AA	LIM	MA	all	43,634,678	745,179	0.605	44,599,689	1,318,906	0.230	34,904,169	923,061	0.495
30	Scallop Dredge	AA	LIM	NE	all	43,199,148	1,240,883	0.186	29,225,797	1,727,017	0.108	18,041,139	971,511	0.320
31	Scallop Dredge	OPEN	GEN	MA	all	30,239,130	306,353	0.429	23,004,212	1,664,819	0.287	11,470,500	1,300,737	0.363
32	Scallop Dredge	OPEN	GEN	NE	all	10,015,196	107,250	0.760	5,533,717	124,055	1.756	5,836,859	689,156	0.533

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SEA SCALLOP

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	122,969,302	2,158,417	0.748	119,815,889	2,819,145	0.293	138,053,748	1,506,906	0.325
34	Scallop Dredge	OPEN	LIM	NE	all	207,416,833	5,584,354	0.234	166,520,613	5,232,571	0.230	181,662,456	11,540,284	0.224
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	75			52,780			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	8,180			148,807	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				353,517			125,111		
49	Beam Trawl	OPEN	all	NE	all				11,137			4,307		
50	Dredge, Other	OPEN	all	MA	all				295,132			44,982		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	1,473,019			652,797			798,455		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	1,952,527			595,828			856,249		
	Other fleets					2,517,634			1,120,985			627,516		
					TOTAL	477,707,901	11,392,431	0.195	410,029,101	14,448,411	0.111	399,868,471	18,126,911	0.152

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SKATE COMPLEX

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	30,544	0.000	0			1,022		
2	Longline	OPEN	all	NE	all	15,002	264,836	0.338	8,672	182,612	0.117	4,167	464,520	0.193
3	Hand Line	OPEN	all	MA	all	519			5,029			160		
4	Hand Line	OPEN	all	NE	all	6	0		239	100,821	1.525	11,552	0	
5	Otter Trawl	OPEN	all	MA	sm	177,937	4,703,301	0.256	241,520	2,986,734	0.427	296,059	3,540,263	0.264
6	Otter Trawl	OPEN	all	MA	lg	1,409,745	10,801,007	0.171	1,665,422	16,733,778	0.245	1,825,175	9,775,938	0.144
7	Otter Trawl	OPEN	all	NE	sm	301,212	2,009,167	0.959	35,400	982,413	0.609	30,701	1,278,557	0.323
8	Otter Trawl	OPEN	all	NE	lg	22,857,739	39,604,549	0.054	19,751,794	37,546,115	0.050	17,631,218	37,831,514	0.066
9	Scallop Trawl	AA	GEN	MA	all	0	11,174	0.188	1,000	32,153	0.000	0		
10	Scallop Trawl	AA	LIM	MA	all	0	25,141	0.000	0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	7,000	942,642	0.130	21,406	2,926,934	0.088	580	912,574	0.073
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	36,571	0.109
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							24,857	164,305	0.028
15	Shrimp Trawl	OPEN	all	MA	all	651			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	2,247	6,384	0.768	28	2,571	0.569	0	709	0.948
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				68			232		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	15,137	12,785	0.707	1	0		9,087	1,591	0.188
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	3,031	33,502	0.588	8,386	76,293	0.290	13,785	29,471	1.027
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	1,075,022	595,036	0.382	1,429,126	659,525	0.356	3,398,779	509,732	0.383
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	13,054	3,931	0.009	32,827	0		2,985		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	514,602	175,907	0.268	591,424	162,280	0.236	656,282	167,527	0.145
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	11,189,882	1,464,290	0.186	11,784,759	1,823,200	0.204	14,410,723	1,438,155	0.139
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	55	1.123	0	0	
27	Scallop Dredge	AA	GEN	MA	all	1,690	121,717	0.194	300	52,900	0.206	0	32,772	0.159
28	Scallop Dredge	AA	GEN	NE	all	0	10,317	0.159	0	11,520	0.113	0		
29	Scallop Dredge	AA	LIM	MA	all	0	956,595	0.514	0	1,009,797	0.110	11	1,344,411	0.271
30	Scallop Dredge	AA	LIM	NE	all	0	1,104,236	0.116	800	573,253	0.057	0	676,576	0.214
31	Scallop Dredge	OPEN	GEN	MA	all	16,727	5,952,242	0.209	43,799	2,281,742	0.309	11,879	916,028	0.256
32	Scallop Dredge	OPEN	GEN	NE	all	0	1,720,904	0.713	30	1,235,873	0.311	42	467,168	0.423

See supporting text for abbreviations.

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SKATE COMPLEX

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	36	21,254,164	0.161	891	13,951,301	0.140	1,651	8,151,093	0.213
34	Scallop Dredge	OPEN	LIM	NE	all	5,288	28,353,743	0.105	0	17,304,721	0.123	180	14,538,312	0.170
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	82	0.559	20	36	0.936	0	42	0.957
37	Pots and Traps, Fish	OPEN	all	MA	all	316	0		0			57		
38	Pots and Traps, Fish	OPEN	all	NE	all	581	0		0	328	0.264	20	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	100			290			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	3,761			36	0		395		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				30,200			33,427		
49	Beam Trawl	OPEN	all	NE	all				502			0		
50	Dredge, Other	OPEN	all	MA	all				0			660		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			2,000			969		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					6,746			2,400			699		
					TOTAL	37,618,031	120,158,200	0.051	35,658,370	100,636,955	0.056	38,367,354	82,277,828	0.053

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SMALL MESH GROUNDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	173	9,181	0.000	210			3		
2	Longline	OPEN	all	NE	all	87,520	1,512	0.244	330	2,924	0.339	110	1,153	0.780
3	Hand Line	OPEN	all	MA	all	3,593			5,013			5,054		
4	Hand Line	OPEN	all	NE	all	87	0		103	0		4,472	0	
5	Otter Trawl	OPEN	all	MA	sm	7,079,185	348,658	0.560	7,063,332	485,745	0.374	5,832,098	770,479	0.330
6	Otter Trawl	OPEN	all	MA	lg	129,867	10,328	0.485	173,077	211,627	1.013	242,138	14,027	0.313
7	Otter Trawl	OPEN	all	NE	sm	8,474,323	7,380,013	0.379	7,267,946	1,688,598	0.636	10,598,852	2,688,612	0.339
8	Otter Trawl	OPEN	all	NE	lg	224,255	268,300	0.258	222,885	303,255	0.168	318,352	376,511	0.134
9	Scallop Trawl	AA	GEN	MA	all	0	125	0.354	0	6	0.000	0		
10	Scallop Trawl	AA	LIM	MA	all	0	52	0.000	0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	51	0.432	6,161	1,985	0.517	0	17,654	0.188
12	Scallop Trawl	OPEN	LIM	MA	all	0			120			3,500		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			75	525	0.085
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	810	0.127
15	Shrimp Trawl	OPEN	all	MA	all	290			6,404			1,485		
16	Shrimp Trawl	OPEN	all	NE	all	13,030	121,801	0.367	1,605	89,534	0.448	45,501	406,746	0.280
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	10,200	0		140	0		400	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	16	0		81	1,978	0.290	7	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	16	0		8	99	0.588	84	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	48,006	14,507	0.388	105,762	22,784	0.351	85,587	22,916	0.190
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	28,838	354	0.540	11,695	905	0.564	4,462	506	0.438
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	752	0.998	0	0		0	8	0.909
27	Scallop Dredge	AA	GEN	MA	all	0	407	0.208	0	238	0.442	0	799	0.149
28	Scallop Dredge	AA	GEN	NE	all	0	339	0.151	0	277	0.192	0		
29	Scallop Dredge	AA	LIM	MA	all	0	4,504	0.272	0	10,656	0.293	0	3,621	0.733
30	Scallop Dredge	AA	LIM	NE	all	0	19,292	0.223	0	13,023	0.144	0	4,316	0.647
31	Scallop Dredge	OPEN	GEN	MA	all	35	5,122	0.629	977	7,322	0.436	0	4,615	0.553
32	Scallop Dredge	OPEN	GEN	NE	all	0	1,378	0.997	0	240	0.716	60,960	2,055	2.216

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SMALL MESH GROUNDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	10,990	0.292	0	17,313	0.272	10	41,762	0.514
34	Scallop Dredge	OPEN	LIM	NE	all	0	84,837	0.263	100	193,810	0.198	40	103,023	0.235
35	Mid-water paired & single Trawl	OPEN	all	MA	all	20,460	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2,035	8,700	0.694	1,110	312,777	0.382	645	3,023	0.386
37	Pots and Traps, Fish	OPEN	all	MA	all	938	0		7,224			6,576		
38	Pots and Traps, Fish	OPEN	all	NE	all	80	0		37	0		210	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	200			54			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	48	0.926	0	38	1.890	0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	5,799			14,787			30,313		
45	Pots and Traps, Lobster	OPEN	all	NE	all	1,881			549	0		3,409		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				22,325			9,060		
49	Beam Trawl	OPEN	all	NE	all				0			3,875		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			360			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					99,203			145			0		
					TOTAL	16,230,030	8,291,253	0.339	14,912,540	3,365,134	0.333	17,257,278	4,463,160	0.214

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SPINY DOGFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	131,084	0.000	2,990			52,180		
2	Longline	OPEN	all	NE	all	189,261	1,003,812	0.632	237,970	136,890	0.241	585,796	540,018	0.327
3	Hand Line	OPEN	all	MA	all	8,353			0			11,866		
4	Hand Line	OPEN	all	NE	all	114,456	10,127	0.019	92,790	54,869	1.525	148,217	0	
5	Otter Trawl	OPEN	all	MA	sm	16,223	4,795,254	0.380	89,871	3,639,373	0.434	454,997	2,833,663	0.289
6	Otter Trawl	OPEN	all	MA	lg	47,141	1,376,685	0.282	81,290	3,069,219	0.302	358,095	2,763,575	0.173
7	Otter Trawl	OPEN	all	NE	sm	128,385	1,672,387	0.975	400,746	1,460,598	0.841	461,510	2,140,535	0.276
8	Otter Trawl	OPEN	all	NE	lg	212,713	5,061,866	0.108	278,791	3,475,180	0.099	315,269	3,087,876	0.072
9	Scallop Trawl	AA	GEN	MA	all	0	1,585	0.214	0	152,152	0.000	0		
10	Scallop Trawl	AA	LIM	MA	all	0	8,692	0.000	0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	68,757	0.246	0	339,380	0.099	0	59,734	0.103
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	2,408	0.113
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	25,166	0.067
15	Shrimp Trawl	OPEN	all	MA	all	92			0			10		
16	Shrimp Trawl	OPEN	all	NE	all	660	0		6,525	1,098	0.736	12,930	4,849	0.428
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	14,463	273,122	0.438	144,220	65,826	2.150	183,895	49,099	0.188
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	466,992	1,833,902	1.198	602,892	145,480	3.279	1,150,435	205,613	0.475
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	1,472	352,067	0.342	43,534	265,403	0.242	91,362	119,584	0.371
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	1,700	575	0.015	2,034	0		2,012		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	973,140	5,498,261	0.163	1,483,094	5,745,628	0.226	3,802,891	5,940,164	0.167
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	152,110	652,906	0.196	221,656	656,693	0.222	636,992	224,007	0.226
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	155,867	0.838	0	109,608	0.675	0	142,377	0.526
27	Scallop Dredge	AA	GEN	MA	all	0	721	0.433	0	7,165	0.174	0	5,235	0.043
28	Scallop Dredge	AA	GEN	NE	all	0	94	0.354	0	78	0.350	0		
29	Scallop Dredge	AA	LIM	MA	all	0	85,265	0.222	0	103,786	0.187	0	36,231	0.387
30	Scallop Dredge	AA	LIM	NE	all	0	33,796	0.156	0	53,133	0.106	0	43,820	0.204
31	Scallop Dredge	OPEN	GEN	MA	all	1,819	47,658	0.582	171	14,487	0.381	263	6,321	0.659
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	18,739	0.579	0	46,312	2.167

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SPINY DOGFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	471,480	0.289	0	521,329	0.167	0	101,795	0.344
34	Scallop Dredge	OPEN	LIM	NE	all	0	347,588	0.185	0	259,242	0.243	0	131,664	0.251
35	Mid-water paired & single Trawl	OPEN	all	MA	all	70	0		0	14,304	0.680	0	1,848	0.905
36	Mid-water paired & single Trawl	OPEN	all	NE	all	22,506	468,537	0.451	2,075	414,845	0.244	11,836	773,838	0.195
37	Pots and Traps, Fish	OPEN	all	MA	all	300	0		0			9		
38	Pots and Traps, Fish	OPEN	all	NE	all	5	0		400	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			1,700		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	3			44			15		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			70	1,307,127	0.000	0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				1,000			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					3,600			0			17,650		
					TOTAL	2,355,464	24,352,086	0.146	3,692,163	22,031,631	0.120	8,299,930	19,285,729	0.080

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SQUID - BUTTERFISH - MACKEREL

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	186			865			1,624		
4	Hand Line	OPEN	all	NE	all	611	0		1,635	0		5,626	0	
5	Otter Trawl	OPEN	all	MA	sm	21,387,801	531,300	0.371	30,862,789	2,876,172	0.441	32,793,525	2,014,244	0.383
6	Otter Trawl	OPEN	all	MA	lg	212,409	27,605	0.482	432,865	17,026	0.453	388,818	10,696	0.300
7	Otter Trawl	OPEN	all	NE	sm	24,284,344	4,452,594	0.419	30,690,546	1,599,120	1.146	29,739,980	1,871,057	0.312
8	Otter Trawl	OPEN	all	NE	lg	278,790	52,083	0.173	404,450	89,527	0.136	446,099	80,026	0.145
9	Scallop Trawl	AA	GEN	MA	all	7	0		3	172	0.000	50		
10	Scallop Trawl	AA	LIM	MA	all	367	0		0			20		
11	Scallop Trawl	OPEN	GEN	MA	all	2,540	0		1,063	445	0.498	6	1,015	0.164
12	Scallop Trawl	OPEN	LIM	MA	all	50			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			17	523	0.143
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	329	0.135
15	Shrimp Trawl	OPEN	all	MA	all	56,457			1,716,656			742,362		
16	Shrimp Trawl	OPEN	all	NE	all	17,000	0		12,465	1,105	0.735	66,468	7,622	0.384
17	Floating Trap	OPEN	all	MA	all				0			3		
18	Floating Trap	OPEN	all	NE	all				29,720			76,048		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	8,798	0		4,611	0		12,058	159	0.188
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	247	104	2.113	424	152	0.290	9,395	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	2,677	11	0.928	2,190	48	0.863	285	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		10	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	1,722	128	0.564	6,381	1,592	0.232	5,161	3,263	0.209
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	4,022	270	0.527	930	54	1.097	2,566	2,546	0.799
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	2,100	0.986	2,130	2	1.123	1,510	19	0.708
27	Scallop Dredge	AA	GEN	MA	all	0	23	0.505	0	30	0.668	0	1,290	0.212
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	10	140	0.880	50	1,120	0.270	0	177	0.452
30	Scallop Dredge	AA	LIM	NE	all	0	196	0.248	0	410	0.225	0	370	0.331
31	Scallop Dredge	OPEN	GEN	MA	all	10	451	0.683	2,505	3,203	0.844	10	569	0.600
32	Scallop Dredge	OPEN	GEN	NE	all	949	984	1.164	0	0		300	16	0.563

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SQUID - BUTTERFISH - MACKEREL

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	245	3,281	0.315	10	6,853	0.340	12,425	3,550	0.722
34	Scallop Dredge	OPEN	LIM	NE	all	0	1,688	0.431	2	2,259	0.306	225,015	2,018	0.382
35	Mid-water paired & single Trawl	OPEN	all	MA	all	6,705,328	0		9,633,218	0		4,305,700	7	0.771
36	Mid-water paired & single Trawl	OPEN	all	NE	all	36,606,954	320,395	0.812	35,784,851	78,634	0.541	12,720,893	5,576	0.339
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		551			512		
38	Pots and Traps, Fish	OPEN	all	NE	all	4	0		0	0		180	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	4	0.885	0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	13			382			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	2,000			0	0		2,810		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				50,833			76,722		
49	Beam Trawl	OPEN	all	NE	all				16,567			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	20			3,530			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					547,233			10			3,541		
					TOTAL	90,120,794	5,393,356	0.351	109,662,242	4,677,924	0.476	81,639,729	4,005,073	0.241

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SURFCLAM - OCEAN QUAHOG

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	5	0.379	0	0		0	0	
3	Hand Line	OPEN	all	MA	all	0			0			0		
4	Hand Line	OPEN	all	NE	all	0	0		0	0		0	0	
5	Otter Trawl	OPEN	all	MA	sm	0	4,174	0.615	0	2,774	0.735	0	2,206	0.655
6	Otter Trawl	OPEN	all	MA	lg	0	7,453	0.507	0	4,763	0.655	0	345	0.702
7	Otter Trawl	OPEN	all	NE	sm	0	277	0.538	0	855	0.734	0	309	1.140
8	Otter Trawl	OPEN	all	NE	lg	0	10,592	0.314	0	2,146	0.461	0	3,970	0.725
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	308	0.417	0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	0	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	10	0.044
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	67	0.502
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		66		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	0	0		0	0		0	0	
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	0	1	1.187	0	0		0	0	
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	14	0.990	0	23	0.832	0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	53	0.465	0	15	0.673	0		
29	Scallop Dredge	AA	LIM	MA	all	0	67	0.560	0	1,968	0.588	0	160	1.195
30	Scallop Dredge	AA	LIM	NE	all	0	2,164	0.581	0	1,575	0.426	0	297	0.554
31	Scallop Dredge	OPEN	GEN	MA	all	0	1,570	0.669	24	20,791	1.286	79,831	480	0.957
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	563	1.034	0	0	

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: SURFCLAM - OCEAN QUAHOG

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	50	20,972	1.013	0	153,633	0.801	37	602	2.296
34	Scallop Dredge	OPEN	LIM	NE	all	0	106,176	0.741	0	36,409	1.129	0	46,673	0.643
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	402,778,625			186,386,423			152,259,140		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	190,251,324			81,992,505			89,817,637		
	Other fleets					0			0			0		
					TOTAL	593,029,999	153,827	0.531	268,378,952	225,516	0.588	242,156,710	55,119	0.549

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: TILEFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	1,417,713	0		1,242,254			1,563,196		
2	Longline	OPEN	all	NE	all	58,806	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	2,470			140			3,317		
4	Hand Line	OPEN	all	NE	all	0	0		0	0		0	0	
5	Otter Trawl	OPEN	all	MA	sm	9,312	5,751	1.165	12,638	1,912	0.454	17,599	4,641	0.592
6	Otter Trawl	OPEN	all	MA	lg	1,082	0		1,097	0		2,475	4,921	0.461
7	Otter Trawl	OPEN	all	NE	sm	11,187	10,545	0.545	10,486	2,760	2.387	21,268	2,969	0.455
8	Otter Trawl	OPEN	all	NE	lg	3,632	33	0.988	1,298	138	0.601	5,688	2,759	0.762
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	0	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	0	
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		143	0		51	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		249	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	0		46	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	0	0		20	0		17	0	
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	126	476	0.732	272	2,024	0.922	526	1,060	0.611
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	0		0	0		0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9A, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for 14 SBRM species groups, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species Group: TILEFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	0		0	0		0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	0	0		0	0		0	0	
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	9	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	551			16,272			228		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			12	0		50		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				200			300		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					309			0			69		
					TOTAL	1,505,197	16,806	0.526	1,285,081	6,835	1.010	1,614,830	16,349	0.269

Table 9B. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: BLACK SEA BASS

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	252	0		372			30		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	74	1.380
3	Hand Line	OPEN	all	MA	all	59,088			45,481			73,664		
4	Hand Line	OPEN	all	NE	all	7,362	0		4,385	0		6,493	0	
5	Otter Trawl	OPEN	all	MA	sm	406,785	194,383	0.467	373,032	62,801	1.227	296,772	144,258	0.318
6	Otter Trawl	OPEN	all	MA	lg	150,636	10,340	0.411	147,721	82,307	0.331	204,988	95,530	0.495
7	Otter Trawl	OPEN	all	NE	sm	67,683	32,449	3.834	32,770	17,115	0.460	47,984	109,865	0.386
8	Otter Trawl	OPEN	all	NE	lg	37,450	452	0.377	20,185	3,469	0.361	26,163	10,981	0.289
9	Scallop Trawl	AA	GEN	MA	all	32	0		22	2,706	0.000	300		
10	Scallop Trawl	AA	LIM	MA	all	110	0		0			1,525		
11	Scallop Trawl	OPEN	GEN	MA	all	5	616	0.432	95	0		113	562	0.244
12	Scallop Trawl	OPEN	LIM	MA	all	125			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	0	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	1	0.318
15	Shrimp Trawl	OPEN	all	MA	all	75			6,928			725		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		313	0		1,192	0	
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				892			1,101		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	267	0		16	0		906	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	1,764	0		2,239	0		431	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	80	0		89	0		2,197	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	459	0		496	0		135		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	3,921	202	0.920	4,462	0		2,578	258	0.566
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	173	0		159	0		438	0	
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	6	26	0.479	0	139	0.316	0	58	0.212
28	Scallop Dredge	AA	GEN	NE	all	400	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	20	861	0.293	0	1,586	0.349	20	1,235	0.683
30	Scallop Dredge	AA	LIM	NE	all	0	420	0.179	0	585	0.162	0	2,208	0.323
31	Scallop Dredge	OPEN	GEN	MA	all	8	111	1.757	105	883	0.596	0	393	1.720

See supporting text for abbreviations.

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: BLACK SEA BASS

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
32	Scallop Dredge	OPEN	GEN	NE	all	5	0		0	0		6	327	0.563
33	Scallop Dredge	OPEN	LIM	MA	all	253	4,039	0.434	840	2,177	0.320	28	12,121	0.422
34	Scallop Dredge	OPEN	LIM	NE	all	19	353	0.587	0	3,121	0.407	10	7,706	0.429
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		64	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	332	2,320	1.196	19	767	0.954	0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	642,700	337,409	0.126	453,294			294,380		
38	Pots and Traps, Fish	OPEN	all	NE	all	196,464	70,175	0.000	71,499	50,502	0.534	66,936	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	549			1,300			1,061		
40	Pots and Traps, Conch	OPEN	all	NE	all	507			1,260			500		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	36,192			28,527			23,059		
45	Pots and Traps, Lobster	OPEN	all	NE	all	7,228			9,808	0		8,065		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				7,231			2,299		
49	Beam Trawl	OPEN	all	NE	all				207			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					8,755			29			121		
					TOTAL	1,629,705	654,155	0.244	1,213,840	228,157	0.379	1,064,220	385,578	0.204

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: FLUKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	75	0		0			1,200		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	46,172			57,748			95,259		
4	Hand Line	OPEN	all	NE	all	19,925	0		25,990	0		17,493	0	
5	Otter Trawl	OPEN	all	MA	sm	487,760	528,944	0.306	547,244	190,222	0.626	626,210	299,035	0.316
6	Otter Trawl	OPEN	all	MA	lg	5,267,934	388,202	0.260	5,861,025	315,289	0.299	7,155,301	635,149	0.141
7	Otter Trawl	OPEN	all	NE	sm	382,576	262,977	0.987	347,303	108,713	0.574	538,195	332,917	0.305
8	Otter Trawl	OPEN	all	NE	lg	851,808	1,440,613	0.106	1,116,359	646,789	0.127	1,137,958	1,114,142	0.114
9	Scallop Trawl	AA	GEN	MA	all	3,110	2,395	0.227	555	11,868	0.000	0		
10	Scallop Trawl	AA	LIM	MA	all	35,370	3,488	0.000	5			18,410		
11	Scallop Trawl	OPEN	GEN	MA	all	50,716	4,772	0.335	45,415	107,683	0.225	30,414	1,350	0.208
12	Scallop Trawl	OPEN	LIM	MA	all	32,265			31,850			28,400		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			10	11	0.133
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	219	0.172
15	Shrimp Trawl	OPEN	all	MA	all	3,157			99,606			51,972		
16	Shrimp Trawl	OPEN	all	NE	all	955	0		0	0		10	0	
17	Floating Trap	OPEN	all	MA	all				0			303		
18	Floating Trap	OPEN	all	NE	all				2,048			3,136		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	4,149	281	0.895	1,217	317	2.010	699	7,746	0.532
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	8,104	0		14,105	0		16,957	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	28,294	15,697	0.594	14,236	13,050	0.682	24,875	43,778	0.679
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	158	0		50	0		50		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	37,151	8,299	0.448	40,489	1,545	0.545	31,570	181	1.117
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	23,104	60,986	0.225	19,413	180,273	0.542	26,937	62,257	0.371
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		5	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	286	4,205	0.346	797	7,158	0.134	296	2,682	1.776
28	Scallop Dredge	AA	GEN	NE	all	0	671	0.227	0	153	0.226	0		
29	Scallop Dredge	AA	LIM	MA	all	10,533	61,144	0.321	12,315	113,500	0.168	11,155	147,206	0.309
30	Scallop Dredge	AA	LIM	NE	all	121	87,132	0.154	0	83,841	0.122	0	125,454	0.195
31	Scallop Dredge	OPEN	GEN	MA	all	15,627	208,288	0.472	9,575	27,722	0.372	22,525	14,209	0.987
32	Scallop Dredge	OPEN	GEN	NE	all	100	23,627	1.342	2,067	31,819	1.361	50	23,478	0.563

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: FLUKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	36,162	721,491	0.262	38,128	658,059	0.278	60,073	257,735	0.268
34	Scallop Dredge	OPEN	LIM	NE	all	170	1,224,730	0.167	1,555	549,414	0.179	3,770	734,765	0.286
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	205	58	0.915	400	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	3,983	0		570			433		
38	Pots and Traps, Fish	OPEN	all	NE	all	4,212	0		5,245	0		3,719	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	210			23			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		80	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	1,420			15,579			493		
45	Pots and Traps, Lobster	OPEN	all	NE	all	87			133	0		364		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				71,889			75,960		
49	Beam Trawl	OPEN	all	NE	all				14,181			12,050		
50	Dredge, Other	OPEN	all	MA	all				0			362		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			220			50		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					29,239			955			11,355		
					TOTAL	7,385,138	5,048,001	0.092	8,398,295	3,047,413	0.098	10,008,094	3,802,316	0.082

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: SCUP

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	112,113			21,796			85,225		
4	Hand Line	OPEN	all	NE	all	6,822	0		5,209	0		12,157	0	
5	Otter Trawl	OPEN	all	MA	sm	2,153,413	1,111,456	0.386	2,393,486	462,708	0.789	2,751,581	822,134	0.326
6	Otter Trawl	OPEN	all	MA	lg	559,168	129,246	0.493	892,945	432,181	0.458	1,239,582	117,703	0.470
7	Otter Trawl	OPEN	all	NE	sm	1,033,546	697,582	2.332	989,116	616,740	1.019	1,267,224	1,093,148	0.300
8	Otter Trawl	OPEN	all	NE	lg	697,153	11,250	0.345	846,350	33,607	0.475	1,202,895	108,106	0.411
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	191	0.000	50		
10	Scallop Trawl	AA	LIM	MA	all	5	0		0			6,000		
11	Scallop Trawl	OPEN	GEN	MA	all	5	277	0.326	95	258	0.100	63	296	0.244
12	Scallop Trawl	OPEN	LIM	MA	all	105			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	0	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	117	0.318
15	Shrimp Trawl	OPEN	all	MA	all	16,400			60			775		
16	Shrimp Trawl	OPEN	all	NE	all	3	0		1,376	0		8,302	56	0.602
17	Floating Trap	OPEN	all	MA	all				0			2		
18	Floating Trap	OPEN	all	NE	all				253,982			104,796		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	38	123	3.725	2,031	0		206	1,347	0.692
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	421	0		3,158	0		956	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	1,707	0		325	0		44	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	3,700	288	0.009	1,998	0		1,546		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	22,682	2,861	1.079	17,914	5,887	0.622	17,393	86	0.593
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	2,085	7	0.801	2,429	0		1,742	0	
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		258	0		20	0	
27	Scallop Dredge	AA	GEN	MA	all	0	7	0.676	0	11	0.426	0	0	
28	Scallop Dredge	AA	GEN	NE	all	370	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	32	0.495	0	309	0.533	7,903	44	1.095
30	Scallop Dredge	AA	LIM	NE	all	0	34	0.359	0	54	0.187	0	124	0.491
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		15	64	0.533	100	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		275	0		0	82	0.563

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: SCUP

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	6,000	1,358	1.210	6,011	509	0.642	3	42	0.966
34	Scallop Dredge	OPEN	LIM	NE	all	0	469	0.670	8,000	328	0.711	0	723	1.164
35	Mid-water paired & single Trawl	OPEN	all	MA	all	8,000	0		45,660	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2,915	17	1.199	0	4,091	0.954	0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	12,800	0		27,634			11,850		
38	Pots and Traps, Fish	OPEN	all	NE	all	57,806	152,621	0.000	36,375	33,644	0.547	44,565	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			5			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	58			50			250		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	1,816			34,882			7,941		
45	Pots and Traps, Lobster	OPEN	all	NE	all	1,711			483	0		2,109		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		115		
48	Beam Trawl	OPEN	all	MA	all				21,007			23		
49	Beam Trawl	OPEN	all	NE	all				2,073			5,102		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					107,966			18			45,512		
					TOTAL	4,808,808	2,107,628	0.799	5,615,016	1,590,582	0.474	6,826,032	2,144,007	0.200

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: AMERICAN PLAICE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	3	20	0.439	7	23	0.411	2	14	0.784
3	Hand Line	OPEN	all	MA	all	11			0			0		
4	Hand Line	OPEN	all	NE	all	0	0		2,120	0		570	0	
5	Otter Trawl	OPEN	all	MA	sm	549	0		132	10,217	0.444	197	1,183	0.588
6	Otter Trawl	OPEN	all	MA	lg	16,284	3,988	0.629	10,673	0		4,996	0	
7	Otter Trawl	OPEN	all	NE	sm	15,645	35,458	0.440	2,352	16,799	0.596	2,526	44,394	0.597
8	Otter Trawl	OPEN	all	NE	lg	1,973,669	393,082	0.093	2,474,577	496,358	0.088	2,763,513	837,991	0.128
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				225			3	115	0.168
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							1,379	1,569	0.177
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	5,333	24,829	0.325	778	19,310	0.350	1,354	47,447	0.281
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	125	0		0	5,402	0.290	0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	88	0		65	0		420	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	2	0		5	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	7,727	3,872	0.303	9,090	7,888	0.311	9,761	4,313	0.155
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	1,855	238	0.724	3,023	168	0.733	6,001	409	0.393
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	3	0.843	0	0		0	5	20.216
28	Scallop Dredge	AA	GEN	NE	all	0	1	0.471	0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	16	0.750	0	1,668	0.603	0	12	0.987
30	Scallop Dredge	AA	LIM	NE	all	0	3,698	0.408	0	1,385	0.191	0	78	0.628
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		10	0		0	1,900	2.407

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: AMERICAN PLAICE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	168	1.105	0	128	0.755	0	4,489	0.859
34	Scallop Dredge	OPEN	LIM	NE	all	875	29,288	0.401	295	48,582	0.269	0	18,413	0.362
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	400	0		0	0		0	15	0.783
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	3,245	0		0	0		10	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	250			300	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				1,226			594		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					1,988			0			0		
					TOTAL	2,028,049	494,661	0.086	2,504,878	607,927	0.078	2,791,326	962,346	0.116

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ATLANTIC COD

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		7,605			10,674		
2	Longline	OPEN	all	NE	all	409,491	240,958	0.599	320,395	64,889	0.191	303,002	42,054	0.220
3	Hand Line	OPEN	all	MA	all	5,279			19,781			6,511		
4	Hand Line	OPEN	all	NE	all	163,837	15,480	0.020	268,421	74,244	0.386	312,643	119,233	0.554
5	Otter Trawl	OPEN	all	MA	sm	397	76	1.315	177	0		46	494	0.632
6	Otter Trawl	OPEN	all	MA	lg	31,381	2,595	0.681	50,247	403	0.769	55,771	399	0.546
7	Otter Trawl	OPEN	all	NE	sm	88,888	11,328	1.717	17,928	23,854	0.954	30,674	4,404	0.526
8	Otter Trawl	OPEN	all	NE	lg	9,026,627	1,435,440	0.118	7,951,948	1,484,782	0.097	9,133,392	1,688,548	0.112
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	39	0.271
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				2,975			475	520	0.102
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							30,451	7,730	0.094
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	48,785	736	0.512	27,160	213	0.740	13,070	994	0.717
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	800	0		10	4,793	0.290	15	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	57	0		932	0		123	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	7,730	0		10,440	0		12,704		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	5,116,180	277,461	0.390	5,482,726	405,673	0.245	6,159,339	611,556	0.175
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	521,538	27,344	0.349	590,691	35,904	0.356	798,271	73,758	0.492
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	15	0.314	0	1	0.671	0		
29	Scallop Dredge	AA	LIM	MA	all	9	120	0.631	0	134	0.621	0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	893	0.223	0	192	0.321	0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	155	0.916	20	0		0	28	1.128

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ATLANTIC COD

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	0		0	0		40	1,777	0.592
34	Scallop Dredge	OPEN	LIM	NE	all	113	18,521	0.227	20	5,503	0.280	0	6,958	0.395
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	6,800	2,098	1.167	0	68	0.761	241	1,900	0.525
37	Pots and Traps, Fish	OPEN	all	MA	all	191	0		632			1,326		
38	Pots and Traps, Fish	OPEN	all	NE	all	164	0		0	0		1,594	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	49			701			587		
45	Pots and Traps, Lobster	OPEN	all	NE	all	1,965			3,207	0		2,288		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				5			0		
49	Beam Trawl	OPEN	all	NE	all				7,397			18,775		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					10,140			0			0		
					TOTAL	15,440,421	2,033,219	0.122	14,763,418	2,100,653	0.085	16,892,012	2,560,393	0.090

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ATLANTIC HALIBUT

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	2,105	42	0.579	5,402	0		5,703	501	0.676
3	Hand Line	OPEN	all	MA	all	0			0			0		
4	Hand Line	OPEN	all	NE	all	264	0		460	0		306	0	
5	Otter Trawl	OPEN	all	MA	sm	0	0		0	0		0	0	
6	Otter Trawl	OPEN	all	MA	lg	0	0		0	0		0	0	
7	Otter Trawl	OPEN	all	NE	sm	70	0		0	0		0	127	1.377
8	Otter Trawl	OPEN	all	NE	lg	9,306	11,334	0.115	10,045	15,217	0.133	10,914	33,989	0.118
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			40	14	0.160
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	116	0.087
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	32	375	0.856	0	0		0	0	
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	855	2,025	0.525	1,594	1,851	0.483	2,223	2,078	0.253
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	1,713	2,401	0.426	1,008	597	0.843	1,281	1,801	0.382
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	0		0	5	0.474	0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ATLANTIC HALIBUT

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	0		0	0		0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	0	0		0	142	1.176	0	110	0.617
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			100	0		164		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					0			0			0		
					TOTAL	14,345	16,176	0.123	18,609	17,812	0.128	20,631	38,735	0.107

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ATLANTIC WOLFFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	2,052	61	1.564	555	86	0.715	87	2,904	0.432
3	Hand Line	OPEN	all	MA	all	0			0			0		
4	Hand Line	OPEN	all	NE	all	184	0		331	0		122	0	
5	Otter Trawl	OPEN	all	MA	sm	0	0		0	111	0.468	0	0	
6	Otter Trawl	OPEN	all	MA	lg	20	0		0	0		0	0	
7	Otter Trawl	OPEN	all	NE	sm	235	571	0.544	10	0		0	264	0.670
8	Otter Trawl	OPEN	all	NE	lg	72,969	3,088	0.321	52,946	2,843	0.216	17,494	13,826	0.202
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				185			0	0	
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	96	0.298
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	174	0		3	0		47	0	
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		157	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		56	19,400	0.290	0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	5	0		0	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	9,756	804	0.611	8,158	0		3,681	2,178	0.379
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	1,701	187	1.193	758	0		1,397	898	0.423
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	302	0.524	0	0		0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ATLANTIC WOLFFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	0		0	0		0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	45	1,594	0.577	0	0		0	0	
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	4	0		0			3		
38	Pots and Traps, Fish	OPEN	all	NE	all	10	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	50			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					0			0			0		
					TOTAL	87,205	6,608	0.227	63,159	22,439	0.252	22,831	20,166	0.158

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: HADDOCK

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	752,862	74,330	0.156	962,372	48,030	0.176	874,637	22,070	0.228
3	Hand Line	OPEN	all	MA	all	0			0			0		
4	Hand Line	OPEN	all	NE	all	2,264	0		5,825	2,420	1.215	1,666	0	
5	Otter Trawl	OPEN	all	MA	sm	0	18	1.171	0	1,330	0.464	0	1,742	0.462
6	Otter Trawl	OPEN	all	MA	lg	11,290	333,902	0.757	10	0		0	0	
7	Otter Trawl	OPEN	all	NE	sm	55,404	5,298	3.404	1,440	6,892	0.530	33,763	33,642	0.602
8	Otter Trawl	OPEN	all	NE	lg	8,208,963	901,388	0.211	9,768,970	332,470	0.265	14,163,079	94,645	0.131
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				8,600			121,300	1,068	0.123
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							360,881	2,736	0.059
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	4,263	180	0.796	451	1,199	0.400	13,623	178	0.734
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		3	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	15	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	215	0		40	0		3		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	100,590	6,094	0.263	154,642	11,085	0.202	95,610	5,616	0.317
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	7,695	1,065	0.718	9,608	570	0.730	5,824	955	0.329
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	22	0.437	0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	148	0.878	0	105	0.644	0	0	
30	Scallop Dredge	AA	LIM	NE	all	10	550	0.383	0	101	0.214	0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: HADDOCK

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	0		0	0		0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	43	7,075	0.370	90	3,594	0.352	0	417	0.448
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	39,795	473	0.642	8,900	131,641	0.825	67,073	8,741	0.435
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	540	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	65			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				569			1,930		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					3,173			0			0		
					TOTAL	9,187,187	1,330,544	0.238	10,921,520	539,436	0.260	15,739,389	171,808	0.143

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: OCEAN POUT

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	5,132	0.447	25	3,367	0.245	50	3,255	0.295
3	Hand Line	OPEN	all	MA	all	2,034			756			30		
4	Hand Line	OPEN	all	NE	all	0	0		0	16,461	1.525	0	0	
5	Otter Trawl	OPEN	all	MA	sm	2,339	0		601	1,716	0.663	70	21,439	0.374
6	Otter Trawl	OPEN	all	MA	lg	6,203	8,260	0.638	4,415	5,270	0.901	70	65	1.433
7	Otter Trawl	OPEN	all	NE	sm	70	38,305	1.509	14	7,013	0.423	280	22,982	0.325
8	Otter Trawl	OPEN	all	NE	lg	1,595	180,457	0.117	324	171,537	0.107	0	143,698	0.153
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	82	0.000	0		
10	Scallop Trawl	AA	LIM	MA	all	0	49	0.000	0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	4,426	0.162
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	81	0.126
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	654	0.218
15	Shrimp Trawl	OPEN	all	MA	all	7			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		20	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	90	3,717	0.529	0	480	0.926	442	809	0.483
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	0	132	0.801	0	148	0.979	0	92	0.615
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	24	0.248	0	64	0.292	0		
29	Scallop Dredge	AA	LIM	MA	all	0	187	0.502	0	150	0.715	0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	613	0.245	0	177	0.195	0	1	0.889
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	196	1.137

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: OCEAN POUT

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	1,606	0.537	0	409	0.895	0	674	0.709
34	Scallop Dredge	OPEN	LIM	NE	all	0	5,007	0.248	0	5,118	0.311	0	7,469	0.430
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	29	1.206	0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	2,736	0		2,432			686		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	2,514			2,841			232		
45	Pots and Traps, Lobster	OPEN	all	NE	all	832			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					0			0			0		
					TOTAL	18,420	243,518	0.254	11,428	211,991	0.149	1,860	205,840	0.120

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: POLLOCK

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		5			17		
2	Longline	OPEN	all	NE	all	6,287	122	1.980	1,444	13	0.654	1,930	7	0.914
3	Hand Line	OPEN	all	MA	all	241			175			434		
4	Hand Line	OPEN	all	NE	all	6,041	0		2,080	0		18,711	19,433	0.513
5	Otter Trawl	OPEN	all	MA	sm	20	0		22	0		5	0	
6	Otter Trawl	OPEN	all	MA	lg	27	0		206	0		0	0	
7	Otter Trawl	OPEN	all	NE	sm	38,150	21,935	0.586	16,225	6,110	0.645	2,071	393	0.692
8	Otter Trawl	OPEN	all	NE	lg	8,975,757	17,562	0.207	9,170,495	45,276	0.187	5,436,914	62,353	0.227
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				65			3	1	0.151
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							47,015	274	0.117
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	8,015	458	0.585	13,546	266	0.603	540	11,040	0.513
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	15	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	1,214	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		933	0		12	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	1,520	0		3,151	0		144		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	6,151,658	514,701	0.214	7,525,244	209,125	0.155	4,786,776	265,221	0.355
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	569,065	8,206	0.553	567,421	15,380	0.655	570,935	26,870	0.512
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	538	0.809
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	0		0	0		0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		10	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: POLLOCK

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	140	1.096	0	0		0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	0	1,058	0.807	0	0		0	0	
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	40	221	1.196	0	113	0.562	15	1,714	0.386
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		25			4		
38	Pots and Traps, Fish	OPEN	all	NE	all	190	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			6			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	1,845			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				60			790		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					9,406			0			0		
					TOTAL	15,769,491	564,405	0.197	17,301,103	276,282	0.128	10,866,326	387,843	0.250

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: REDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		72			0		
2	Longline	OPEN	all	NE	all	5,170	120	0.357	6,174	161	0.471	2,323	44	0.453
3	Hand Line	OPEN	all	MA	all	10			30			30		
4	Hand Line	OPEN	all	NE	all	457	0		442	0		74	194	0.517
5	Otter Trawl	OPEN	all	MA	sm	523	622	0.709	860	2,383	2.278	570	1,579	0.445
6	Otter Trawl	OPEN	all	MA	lg	0	101	0.873	0	0		0	0	
7	Otter Trawl	OPEN	all	NE	sm	2,710	937	3.652	92	2,165	4.408	1,048	5,678	0.874
8	Otter Trawl	OPEN	all	NE	lg	1,655,018	246,664	0.185	2,395,107	276,650	0.218	2,630,986	480,050	0.183
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				20			0	51	0.059
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							1,031	1,421	0.163
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	1,651	30,298	0.721	93	8,429	0.291	210	27,688	0.372
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	20	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	184,424	20,305	0.367	180,072	28,267	0.372	147,662	9,835	0.435
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	4,314	184	0.695	2,479	42	0.980	5,140	223	0.664
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	26	0.596	0	0		0	3	0.847
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: REDFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	0		0	0		0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	0	0		0	0		0	0	
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	900	5	1.196	0	46,609	0.389	50	1,736	0.885
37	Pots and Traps, Fish	OPEN	all	MA	all	35	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	35	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	8	0.885	0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			53			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	89			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				25			654		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					151			0			0		
					TOTAL	1,855,507	299,268	0.172	2,585,519	364,706	0.178	2,789,778	528,503	0.168

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: WHITE HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	32	0		0			0		
2	Longline	OPEN	all	NE	all	5,651	1,314	0.288	9,955	3,289	0.326	6,743	703	0.438
3	Hand Line	OPEN	all	MA	all	5			0			0		
4	Hand Line	OPEN	all	NE	all	24	0		151	0		1,047	0	
5	Otter Trawl	OPEN	all	MA	sm	29,263	10,428	1.130	9,945	296	0.447	409	6,977	1.009
6	Otter Trawl	OPEN	all	MA	lg	5,095	4,073	0.444	3,718	29,356	0.631	270	3,068	0.994
7	Otter Trawl	OPEN	all	NE	sm	251,232	540,684	0.571	132,383	65,332	4.222	124,002	33,248	0.552
8	Otter Trawl	OPEN	all	NE	lg	941,378	26,390	0.187	1,146,467	43,935	0.158	1,398,907	57,523	0.141
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	2,169	0.244
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	4	0.141
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							45	161	0.054
15	Shrimp Trawl	OPEN	all	MA	all	0			375			86		
16	Shrimp Trawl	OPEN	all	NE	all	1,280	11,173	0.610	1,000	12,268	0.433	0	19,123	0.268
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		73	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	1,065	0.290	25	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	0		1,950	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	25	0		25	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	412,512	14,603	0.502	391,005	25,850	0.305	514,589	39,809	0.324
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	40,492	1,906	1.098	28,765	3,339	0.860	40,634	5,730	0.817
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	150	0.767	0	17	0.520	0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	5	0.730	0	7	0.334	0		
29	Scallop Dredge	AA	LIM	MA	all	0	2,509	0.581	0	2,894	0.413	0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	1,850	0.416	0	1,746	0.257	0	167	0.444
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: WHITE HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	5,021	0.773	0	3,950	0.742	0	2,009	0.595
34	Scallop Dredge	OPEN	LIM	NE	all	0	1,339	0.430	0	27,479	0.619	35	25,252	0.499
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2,035	0		0	1	1.007	140	15	0.949
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		35			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	565	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			3,905		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	108			600			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	566			115	0		10		
46	Pots and Traps, Crab	OPEN	all	MA	all	2,100	0		0	0		1		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					2,020			0			0		
					TOTAL	1,694,383	621,444	0.498	1,724,539	220,826	1.256	2,092,871	195,959	0.148

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: WINDOWPANE FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	26	0.928
3	Hand Line	OPEN	all	MA	all	0			100			0		
4	Hand Line	OPEN	all	NE	all	0	0		0	0		0	0	
5	Otter Trawl	OPEN	all	MA	sm	5,475	119,724	0.307	4,330	91,070	0.315	6,810	97,867	0.321
6	Otter Trawl	OPEN	all	MA	lg	114,021	256,473	0.222	74,378	448,607	0.264	39,091	322,985	0.211
7	Otter Trawl	OPEN	all	NE	sm	0	46,361	0.672	33	16,020	0.577	0	28,748	0.491
8	Otter Trawl	OPEN	all	NE	lg	144,703	777,705	0.089	111,212	664,835	0.091	36,836	732,386	0.115
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	205	0.432	0	17,013	0.148	0	818	0.271
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	917	0.173
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	2,704	0.035
15	Shrimp Trawl	OPEN	all	MA	all	0			0			7		
16	Shrimp Trawl	OPEN	all	NE	all	0	3,123	0.364	0	5,515	0.464	0	4,865	0.686
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	224	1,398	0.570	5	0		197	337	0.502
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	1,549	3,352	0.599	478	226	4.302	57	842	0.685
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	80	0		179	0		0	68	3.235
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	383	2,523	0.457	1,033	1,538	0.356	151	829	0.487
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	20	88	0.368	17	97	0.457	0	129	0.918
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	583	0.258	0	162	0.435	0	5	20.216
28	Scallop Dredge	AA	GEN	NE	all	0	25	0.219	0	100	0.142	0		
29	Scallop Dredge	AA	LIM	MA	all	0	2,926	0.366	0	6,763	0.351	0	3,170	0.554
30	Scallop Dredge	AA	LIM	NE	all	0	8,563	0.324	0	2,481	0.209	0	18,225	0.572
31	Scallop Dredge	OPEN	GEN	MA	all	0	232,862	0.438	0	79,293	0.437	0	15,178	0.286
32	Scallop Dredge	OPEN	GEN	NE	all	3	35,534	1.275	0	58,185	0.367	0	1,706	0.420

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: WINDOWPANE FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	126,078	0.222	0	130,664	0.217	0	291,712	0.461
34	Scallop Dredge	OPEN	LIM	NE	all	500	400,975	0.240	0	188,487	0.180	0	248,513	0.389
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	0		0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	10	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					190			0			0		
					TOTAL	267,158	2,018,496	0.090	191,765	1,711,056	0.087	83,149	1,772,030	0.114

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: WINTER FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	2,027	118	0.410	1,535	107	0.557	751	47	0.615
3	Hand Line	OPEN	all	MA	all	120			63			11		
4	Hand Line	OPEN	all	NE	all	97	0		273	0		163	0	
5	Otter Trawl	OPEN	all	MA	sm	11,020	69,843	0.703	8,631	24,270	0.520	5,960	110,362	0.391
6	Otter Trawl	OPEN	all	MA	lg	702,525	15,933	0.501	342,263	106,070	0.376	8,250	80,726	0.245
7	Otter Trawl	OPEN	all	NE	sm	54,412	350,789	2.281	7,667	95,082	0.864	5,751	177,040	0.391
8	Otter Trawl	OPEN	all	NE	lg	3,902,615	135,891	0.201	4,083,306	313,087	0.143	3,720,740	207,122	0.208
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	285	667	0.226	550	6,713	0.232	0	6,082	0.162
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				70			195	283	0.196
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							3,420	662	0.047
15	Shrimp Trawl	OPEN	all	MA	all	498			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	2,480	12,824	0.266	282	15,920	0.367	285	12,697	0.444
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	12	0		2	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	46	0		11	0		0	124	0.832
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	76	0		6	0		17	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	69	0		30	0		84		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	126,407	3,449	0.471	90,237	7,601	0.720	51,783	7,058	0.299
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	8,194	772	0.531	5,963	1,168	0.519	10,189	654	0.435
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	7	1.257	0	20	0.835	0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	419	0.181	0	284	0.119	0		
29	Scallop Dredge	AA	LIM	MA	all	280	2,203	0.387	0	1,150	0.581	0	59	0.864
30	Scallop Dredge	AA	LIM	NE	all	2,452	48,839	0.201	310	4,402	0.151	0	176	0.875
31	Scallop Dredge	OPEN	GEN	MA	all	112	61,810	0.753	75	12,849	0.407	17	2,698	0.467
32	Scallop Dredge	OPEN	GEN	NE	all	120	36,011	0.558	463	13,812	0.545	0	6,403	0.329

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: WINTER FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	46	20,718	0.314	315	10,736	0.329	48	5,754	0.370
34	Scallop Dredge	OPEN	LIM	NE	all	12,484	792,694	0.157	1,706	484,715	0.207	1,070	215,615	0.203
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	400	29	1.206	0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	1	0		2			21		
38	Pots and Traps, Fish	OPEN	all	NE	all	137	0		159	0		50	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			1			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	25			563			5		
45	Pots and Traps, Lobster	OPEN	all	NE	all	4			25	0		65		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				220			0		
49	Beam Trawl	OPEN	all	NE	all				4,122			4,399		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					2,953			0			0		
					TOTAL	4,829,897	1,553,017	0.524	4,548,850	1,097,987	0.131	3,813,274	833,562	0.125

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: WITCH FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	1,200	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	0			0			0		
4	Hand Line	OPEN	all	NE	all	0	0		2,065	0		255	0	
5	Otter Trawl	OPEN	all	MA	sm	269	13,313	0.491	228	35,735	0.966	59	56,227	0.416
6	Otter Trawl	OPEN	all	MA	lg	24,760	14,421	0.446	10,244	29,304	0.360	1,361	22,585	0.365
7	Otter Trawl	OPEN	all	NE	sm	11,201	12,999	1.240	3,514	11,331	0.796	2,480	17,473	0.321
8	Otter Trawl	OPEN	all	NE	lg	2,084,588	102,575	0.111	1,846,539	183,923	0.093	1,699,723	251,238	0.110
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	61	0.000	0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	51	0.399	0	1,332	0.536	0	1,291	0.162
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				25			1	6	0.172
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							61	187	0.040
15	Shrimp Trawl	OPEN	all	MA	all	28			0			635		
16	Shrimp Trawl	OPEN	all	NE	all	17,595	8,341	0.811	2,507	3,867	0.507	515	4,988	0.430
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	456	0.290	0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	4	0		24	0		2	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		3	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	18,528	1,224	0.443	12,136	1,663	0.315	13,204	786	0.229
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	13,254	61	1.002	33,827	87	1.215	45,563	103	1.222
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	63	0.324	0	78	0.267	0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	3	0.344	0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	1,138	0.247	0	3,679	0.270	0	3,646	0.448
30	Scallop Dredge	AA	LIM	NE	all	921	7,112	0.324	10	4,307	0.118	0	3,632	0.315
31	Scallop Dredge	OPEN	GEN	MA	all	0	370	1.772	0	971	0.435	0	355	0.731
32	Scallop Dredge	OPEN	GEN	NE	all	60	3,396	1.318	150	538	0.754	0	9,945	2.407

See supporting text for abbreviations.

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: WITCH FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	11,989	0.269	10	7,722	0.391	0	18,204	0.549
34	Scallop Dredge	OPEN	LIM	NE	all	966	60,430	0.415	940	107,135	0.265	135	32,462	0.315
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	15	9	1.196	0	0		0	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	350	0		0	0		5	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	9			6	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	18	0.000	0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				920			1,909		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					2,390			0			0		
					TOTAL	2,176,138	237,495	0.145	1,913,148	392,207	0.127	1,765,908	423,128	0.111

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: YELLOWTAIL FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	3,000	0		1,620			227		
2	Longline	OPEN	all	NE	all	9,442	40	0.387	10,019	52	0.364	1,307	42	0.607
3	Hand Line	OPEN	all	MA	all	270			1,415			0		
4	Hand Line	OPEN	all	NE	all	306	0		1,440	0		472	0	
5	Otter Trawl	OPEN	all	MA	sm	80	5,216	0.890	29	3,988	1.065	660	10,044	0.528
6	Otter Trawl	OPEN	all	MA	lg	99,897	191,135	0.620	103,838	8,876	1.114	56,954	3,874	0.571
7	Otter Trawl	OPEN	all	NE	sm	24,074	86,033	2.151	7,044	45,478	0.682	8,915	65,117	0.573
8	Otter Trawl	OPEN	all	NE	lg	2,959,334	1,006,872	0.106	3,241,634	1,192,981	0.119	2,815,730	1,227,498	0.184
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	1,129	0.208	0	18,927	0.169	0	58,542	0.061
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				150			259	986	0.196
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							1,420	3,994	0.054
15	Shrimp Trawl	OPEN	all	MA	all	0			0			0		
16	Shrimp Trawl	OPEN	all	NE	all	5,793	2,498	0.452	1,109	852	0.584	1,138	2,291	0.457
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		557	304	0.290	0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	3	0		18	0		9	32	0.807
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	460	0		0	0		127		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	199,501	23,634	0.343	236,009	20,352	0.197	251,648	69,795	0.212
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	2,982	5,835	0.816	5,902	90	0.907	17,142	582	0.346
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	57	0.479	0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	495	0.224	0	464	0.187	0		
29	Scallop Dredge	AA	LIM	MA	all	0	7,130	0.435	0	20,147	0.446	0	14	0.749
30	Scallop Dredge	AA	LIM	NE	all	262	20,677	0.153	183	48,874	0.103	95	53	0.552
31	Scallop Dredge	OPEN	GEN	MA	all	0	19,195	0.716	110	8,432	0.607	2	3,603	0.465
32	Scallop Dredge	OPEN	GEN	NE	all	153	25,867	0.870	345	96,221	0.824	25	4,375	1.739

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: YELLOWTAIL FLOUNDER

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	203,607	0.381	655	74,797	0.338	209	113,754	0.603
34	Scallop Dredge	OPEN	LIM	NE	all	5,644	1,219,139	0.174	1,844	629,909	0.168	1,570	315,041	0.218
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	198	1.206	0	0		0	7	0.679
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			1		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		300	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			36			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			20	0		120		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				64			0		
49	Beam Trawl	OPEN	all	NE	all				7,514			6,410		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					4,834			1,405			0		
					TOTAL	3,316,035	2,818,756	0.118	3,622,960	2,170,747	0.091	3,164,740	1,879,643	0.133

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: OFFSHORE HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	0			0			0		
4	Hand Line	OPEN	all	NE	all	0	0		0	0		0	0	
5	Otter Trawl	OPEN	all	MA	sm	128,457	0		246,287	0		155,002	35,123	0.840
6	Otter Trawl	OPEN	all	MA	lg	986	104	0.873	389	0		956	475	0.526
7	Otter Trawl	OPEN	all	NE	sm	300,330	26	0.818	194,180	44	0.689	129,288	3,862	0.988
8	Otter Trawl	OPEN	all	NE	lg	5,560	3,139	0.373	2,648	2,056	0.618	232	14,057	0.502
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	11	0.224
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	1	0.044
15	Shrimp Trawl	OPEN	all	MA	all	0			0			1,335		
16	Shrimp Trawl	OPEN	all	NE	all	600	0		0	0		0	0	
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		6	0		37	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	11	0		4	0		2	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	44	0.863	0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	95	0		62	0		34	312	1.085
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	0	0		0	0		3	0	
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0	0.989	0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	0		0	0		0	0	
30	Scallop Dredge	AA	LIM	NE	all	0	0		0	0		0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		45	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: OFFSHORE HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	75	0.912	0	0		0	105	0.961
34	Scallop Dredge	OPEN	LIM	NE	all	0	366	0.623	0	182	0.749	0	0	
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	0		0	0		0	280	0.557
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				325			60		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					200			0			0		
					TOTAL	436,239	3,711	0.323	443,946	2,326	0.550	286,949	54,227	0.564

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: RED HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	34	8,796	0.000	58			3		
2	Longline	OPEN	all	NE	all	0	1,512	0.244	325	2,922	0.339	10	1,153	0.780
3	Hand Line	OPEN	all	MA	all	3,593			5,007			5,029		
4	Hand Line	OPEN	all	NE	all	84	0		8	0		16	0	
5	Otter Trawl	OPEN	all	MA	sm	719,406	83,936	0.583	741,640	268,386	0.357	656,429	414,944	0.418
6	Otter Trawl	OPEN	all	MA	lg	17,449	3,278	0.736	26,821	201,854	1.066	51,410	3,752	0.494
7	Otter Trawl	OPEN	all	NE	sm	710,548	3,070,931	0.491	803,719	498,656	1.072	810,933	1,470,893	0.412
8	Otter Trawl	OPEN	all	NE	lg	23,187	183,240	0.346	16,934	154,020	0.207	31,365	173,737	0.230
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		650	25	0.583	0	1,291	0.105
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	178	0.110
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	306	0.194
15	Shrimp Trawl	OPEN	all	MA	all	154			6,139			10		
16	Shrimp Trawl	OPEN	all	NE	all	2,770	2,720	0.727	650	2,928	0.747	11,535	5,455	0.478
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	2,180	0		128	0		353	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	5	0		25	0		5	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	6	0		0	0		78	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	13,874	6,266	0.800	20,869	1,167	0.456	32,663	1,442	0.346
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	4,274	98	0.495	3,998	0		568	132	0.801
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	311	0.230	0	193	0.535	0	797	0.212
28	Scallop Dredge	AA	GEN	NE	all	0	307	0.159	0	253	0.198	0		
29	Scallop Dredge	AA	LIM	MA	all	0	3,172	0.327	0	9,454	0.320	0	2,950	0.875
30	Scallop Dredge	AA	LIM	NE	all	0	17,032	0.237	0	11,275	0.163	0	2,443	1.061
31	Scallop Dredge	OPEN	GEN	MA	all	35	3,289	0.749	0	1,899	0.600	0	1,399	0.683
32	Scallop Dredge	OPEN	GEN	NE	all	0	74	1.507	0	212	0.688	960	703	2.290

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: RED HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	6,252	0.412	0	4,345	0.341	0	25,114	0.675
34	Scallop Dredge	OPEN	LIM	NE	all	0	71,007	0.299	0	149,721	0.230	0	70,703	0.286
35	Mid-water paired & single Trawl	OPEN	all	MA	all	20,460	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	3,686	0.983	1,100	139	0.935	0	3	0.869
37	Pots and Traps, Fish	OPEN	all	MA	all	938	0		7,188			6,576		
38	Pots and Traps, Fish	OPEN	all	NE	all	75	0		37	0		210	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	200			54			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	37	1.169	0	38	1.890	0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	5,799			14,787			30,313		
45	Pots and Traps, Lobster	OPEN	all	NE	all	1,881			549	0		3,409		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				1,000			500		
49	Beam Trawl	OPEN	all	NE	all				0			1,075		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			260			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					26,963			60			0		
					TOTAL	1,553,915	3,465,945	0.435	1,652,006	1,307,486	0.448	1,643,450	2,177,395	0.290

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: SILVER HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	139	385	0.000	152			0		
2	Longline	OPEN	all	NE	all	87,520	0		5	2	0.789	100	0	
3	Hand Line	OPEN	all	MA	all	0			6			25		
4	Hand Line	OPEN	all	NE	all	3	0		95	0		4,456	0	
5	Otter Trawl	OPEN	all	MA	sm	6,231,322	264,722	0.690	6,075,405	217,359	0.621	5,020,667	320,412	0.332
6	Otter Trawl	OPEN	all	MA	lg	111,432	6,945	0.622	145,867	9,773	0.282	189,772	9,801	0.319
7	Otter Trawl	OPEN	all	NE	sm	7,463,445	4,309,056	0.360	6,270,047	1,189,899	0.590	9,658,631	1,213,858	0.343
8	Otter Trawl	OPEN	all	NE	lg	195,508	81,921	0.150	203,303	147,179	0.140	286,755	188,717	0.115
9	Scallop Trawl	AA	GEN	MA	all	0	125	0.354	0	6	0.000	0		
10	Scallop Trawl	AA	LIM	MA	all	0	52	0.000	0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	51	0.432	5,511	1,960	0.524	0	16,363	0.197
12	Scallop Trawl	OPEN	LIM	MA	all	0			120			3,500		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			75	335	0.086
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	502	0.171
15	Shrimp Trawl	OPEN	all	MA	all	136			265			140		
16	Shrimp Trawl	OPEN	all	NE	all	9,660	119,081	0.370	955	86,606	0.447	33,966	401,291	0.282
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				0			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	8,020	0		6	0		10	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		52	1,978	0.290	0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	10	0		8	55	0.824	6	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	34,037	8,241	0.259	84,831	21,616	0.359	52,890	21,162	0.202
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	24,564	256	0.704	7,697	905	0.564	3,891	374	0.499
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	752	0.998	0	0		0	8	0.909
27	Scallop Dredge	AA	GEN	MA	all	0	96	0.297	0	45	0.453	0	3	20.216
28	Scallop Dredge	AA	GEN	NE	all	0	32	0.192	0	24	0.317	0		
29	Scallop Dredge	AA	LIM	MA	all	0	1,332	0.437	0	1,202	0.299	0	671	0.531
30	Scallop Dredge	AA	LIM	NE	all	0	2,260	0.259	0	1,748	0.119	0	1,873	0.383
31	Scallop Dredge	OPEN	GEN	MA	all	0	1,833	1.090	932	5,424	0.407	0	3,216	0.532
32	Scallop Dredge	OPEN	GEN	NE	all	0	1,304	1.073	0	28	1.034	60,000	1,352	2.178

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: SILVER HAKE

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	4,664	0.275	0	12,968	0.292	10	16,543	0.327
34	Scallop Dredge	OPEN	LIM	NE	all	0	13,464	0.241	100	43,906	0.242	40	32,320	0.223
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	2,035	5,014	0.726	10	312,637	0.382	645	2,739	0.423
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		36			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	5	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	11	0.976	0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				21,000			8,500		
49	Beam Trawl	OPEN	all	NE	all				0			2,800		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			100			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					72,040			85			0		
					TOTAL	14,239,876	4,821,597	0.324	12,816,588	2,055,321	0.354	15,326,879	2,231,538	0.200

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ATLANTIC MACKEREL

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	106			760			1,591		
4	Hand Line	OPEN	all	NE	all	386	0		1,298	0		743	0	
5	Otter Trawl	OPEN	all	MA	sm	1,296,941	41,635	0.940	477,391	193,552	1.461	176,336	24,145	0.574
6	Otter Trawl	OPEN	all	MA	lg	13,437	0		23,812	380	0.720	12,114	3,581	0.492
7	Otter Trawl	OPEN	all	NE	sm	1,612,718	1,966,343	0.635	5,045,168	22,495	2.884	4,174,289	73,081	0.450
8	Otter Trawl	OPEN	all	NE	lg	13,275	1,156	0.333	9,868	2,169	0.326	11,141	3,453	0.367
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		50		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	0		0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	83	0.187
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	99	0.279
15	Shrimp Trawl	OPEN	all	MA	all	0			960			0		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		3	0		0	910	1.078
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				20,613			63,748		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	196	0		75	0		6	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	15	0		200	152	0.290	10	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	2,661	0		1,770	48	0.863	285	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		10	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	1,704	121	0.596	5,547	1,576	0.234	4,705	3,185	0.214
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	3,972	267	0.531	930	54	1.097	2,433	2,543	0.799
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	221	0.957	0	2	1.123	1,470	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	0	0.973	0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	4	0.797	0	29	0.454	0	28	0.864
30	Scallop Dredge	AA	LIM	NE	all	0	3	0.528	0	16	0.286	0	0	
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		1,500	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	0	

See supporting text for abbreviations.

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ATLANTIC MACKEREL

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	206	0.757	0	157	0.569	0	0	
34	Scallop Dredge	OPEN	LIM	NE	all	0	202	0.789	0	30	0.839	0	31	0.923
35	Mid-water paired & single Trawl	OPEN	all	MA	all	6,705,328	0		9,233,218	0		4,305,700	7	0.771
36	Mid-water paired & single Trawl	OPEN	all	NE	all	36,594,654	37,138	1.187	35,765,851	75,130	0.565	12,720,319	4,176	0.442
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			2		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	4	0.885	0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	5			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				200			60		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					7,707			0			0		
					TOTAL	46,253,105	2,047,300	0.611	50,589,174	295,791	0.991	21,475,002	115,323	0.311

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: BUTTERFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	80			2			30		
4	Hand Line	OPEN	all	NE	all	1	0		2	0		263	0	
5	Otter Trawl	OPEN	all	MA	sm	578,305	161,997	0.498	321,135	922,916	0.616	351,999	1,023,354	0.404
6	Otter Trawl	OPEN	all	MA	lg	32,309	8,942	0.852	14,246	5,487	0.440	35,429	2,528	0.254
7	Otter Trawl	OPEN	all	NE	sm	806,569	460,730	0.880	457,296	1,029,752	1.423	387,184	955,325	0.329
8	Otter Trawl	OPEN	all	NE	lg	27,334	3,221	0.440	7,507	905	0.233	23,370	4,464	0.202
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		13	0		6	1,015	0.164
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			2	5	0.234
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	2	0.298
15	Shrimp Trawl	OPEN	all	MA	all	5,584			5,783			3,402		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		27	972	0.698	2,009	5,927	0.389
17	Floating Trap	OPEN	all	MA	all				0			3		
18	Floating Trap	OPEN	all	NE	all				859			11,100		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	8,602	0		4,536	0		12,052	159	0.188
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	232	104	2.113	222	0		9,377	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	16	0		0	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	8	0		17	16	0.609	50	25	0.716
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	0	2	1.193	0	0		0	3	0.842
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		0	0		0	19	0.708
27	Scallop Dredge	AA	GEN	MA	all	0	2	1.232	0	0		0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	3	0.589	0	38	0.422	0	14	0.716
30	Scallop Dredge	AA	LIM	NE	all	0	16	0.393	0	133	0.609	0	23	0.588
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		10	22	0.921	0	21	0.837
32	Scallop Dredge	OPEN	GEN	NE	all	0	0		0	0		0	16	0.563

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: BUTTERFISH

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	20	103	0.757	0	85	0.544	0	10	0.779
34	Scallop Dredge	OPEN	LIM	NE	all	0	140	0.733	0	54	0.696	0	10	0.850
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	650	100,283	1.161	0	331	0.527	250	3	0.962
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			35		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		180	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			0	0		300		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				1,163			767		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	20			30			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					9,765			10			556		
					TOTAL	1,469,495	735,543	0.584	812,858	1,960,710	0.801	838,364	1,992,923	0.261

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ILLEX SQUID

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	0			0			0		
4	Hand Line	OPEN	all	NE	all	2	0		1	0		1	0	
5	Otter Trawl	OPEN	all	MA	sm	10,426,484	219,818	0.561	18,669,775	1,577,296	0.538	26,301,044	720,987	0.791
6	Otter Trawl	OPEN	all	MA	lg	6,955	8,071	0.671	3,575	345	0.972	68	761	1.218
7	Otter Trawl	OPEN	all	NE	sm	6,594,515	1,969,899	0.527	13,276,533	483,464	0.695	15,934,978	648,787	0.542
8	Otter Trawl	OPEN	all	NE	lg	954	36,640	0.214	4,315	65,468	0.167	2,609	61,741	0.177
9	Scallop Trawl	AA	GEN	MA	all	0	0		0	0		0		
10	Scallop Trawl	AA	LIM	MA	all	0	0		0			0		
11	Scallop Trawl	OPEN	GEN	MA	all	0	0		0	381	0.583	0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	0			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			0	340	0.122
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	158	0.108
15	Shrimp Trawl	OPEN	all	MA	all	40,000			1,700,500			738,035		
16	Shrimp Trawl	OPEN	all	NE	all	0	0		0	0		1,355	112	0.584
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				3			0		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		0	0		0	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		0	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	0	0		0	0		0	39	0.713
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	0	0		0	0		0	0	
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	1,879	1.094	0	0		0	0	
27	Scallop Dredge	AA	GEN	MA	all	0	0		0	1	0.973	0	0	
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	0	17	0.948	0	72	0.697	0	22	0.918
30	Scallop Dredge	AA	LIM	NE	all	0	23	0.575	0	87	0.319	0	93	1.067
31	Scallop Dredge	OPEN	GEN	MA	all	0	0		0	0		0	0	
32	Scallop Dredge	OPEN	GEN	NE	all	0	492	1.164	0	0		0	0	

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: ILLEX SQUID

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	0	1,069	0.617	0	1,741	0.807	0	2,807	0.910
34	Scallop Dredge	OPEN	LIM	NE	all	0	869	0.688	0	406	0.595	225,000	1,634	0.464
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		400,000	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	0	182,875	0.788	0	2,835	0.359	20	1,396	0.453
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		0			0		
38	Pots and Traps, Fish	OPEN	all	NE	all	0	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	0			0			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	0			0	0		0		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				0			0		
49	Beam Trawl	OPEN	all	NE	all				0			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			0			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					454,904			0			0		
					TOTAL	17,523,814	2,421,652	0.436	34,054,702	2,132,097	0.428	43,203,110	1,438,878	0.466

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: LOLIGO SQUID

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
1	Longline	OPEN	all	MA	all	0	0		0			0		
2	Longline	OPEN	all	NE	all	0	0		0	0		0	0	
3	Hand Line	OPEN	all	MA	all	0			103			3		
4	Hand Line	OPEN	all	NE	all	222	0		334	0		4,619	0	
5	Otter Trawl	OPEN	all	MA	sm	9,085,869	93,404	0.494	11,394,348	182,408	1.107	5,963,766	235,748	0.467
6	Otter Trawl	OPEN	all	MA	lg	159,211	10,539	0.939	391,207	10,814	0.574	341,157	3,195	0.589
7	Otter Trawl	OPEN	all	NE	sm	15,270,542	51,919	0.580	11,911,549	59,406	2.965	9,243,459	179,959	0.406
8	Otter Trawl	OPEN	all	NE	lg	237,207	8,231	0.338	382,760	19,390	0.245	408,819	9,633	0.283
9	Scallop Trawl	AA	GEN	MA	all	7	0		0	172	0.000	0		
10	Scallop Trawl	AA	LIM	MA	all	367	0		0			20		
11	Scallop Trawl	OPEN	GEN	MA	all	2,540	0		1,050	64	0.420	0	0	
12	Scallop Trawl	OPEN	LIM	MA	all	50			0			0		
13	Otter Trawl, Ruhle	OPEN	all	NE	lg				0			15	88	0.216
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg							0	69	0.191
15	Shrimp Trawl	OPEN	all	MA	all	10,873			9,413			925		
16	Shrimp Trawl	OPEN	all	NE	all	17,000	0		12,435	133	1.117	63,104	673	0.595
17	Floating Trap	OPEN	all	MA	all				0			0		
18	Floating Trap	OPEN	all	NE	all				8,245			1,200		
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0		0	0		0	0	
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0		2	0		8	0	
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0		420	0		0	0	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0		0	0		0		
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	10	8	0.921	817	0		406	15	0.769
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	50	0		0	0		133	0	
25	Purse Seine	OPEN	all	MA	all	0	0		0			0		
26	Purse Seine	OPEN	all	NE	all	0	0		2,130	0		40	0	
27	Scallop Dredge	AA	GEN	MA	all	0	20	0.543	0	29	0.688	0	1,290	0.212
28	Scallop Dredge	AA	GEN	NE	all	0	0		0	0		0		
29	Scallop Dredge	AA	LIM	MA	all	10	104	1.178	50	971	0.290	0	113	0.615
30	Scallop Dredge	AA	LIM	NE	all	0	150	0.304	0	158	0.183	0	246	0.321
31	Scallop Dredge	OPEN	GEN	MA	all	10	451	0.683	995	3,180	0.850	10	548	0.617
32	Scallop Dredge	OPEN	GEN	NE	all	949	246	1.164	0	0		300	0	

See supporting text for abbreviations.

Table 9B, continued. Vessel Trip Report landings (kept, live pounds), estimated discards (live pounds) and associated coefficient of variation (CV) for individual species comprising the 14 SBRM species groups in Table 7A, by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered or with no NEFOP trips in annual SBRM analyses. These CVs were not used in annual SBRM sample size analyses. Blank CV indicates either no discards or discards equals 0.

Species: LOLIGO SQUID

						SBRM 2009			SBRM 2010			SBRM 2011		
Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	Kept	Discarded	CV	Kept	Discarded	CV	Kept	Discarded	CV
33	Scallop Dredge	OPEN	LIM	MA	all	225	1,872	0.374	10	4,563	0.414	12,421	624	0.463
34	Scallop Dredge	OPEN	LIM	NE	all	0	437	0.467	2	1,769	0.366	15	124	0.600
35	Mid-water paired & single Trawl	OPEN	all	MA	all	0	0		0	0		0	0	
36	Mid-water paired & single Trawl	OPEN	all	NE	all	11,650	99	1.196	19,000	338	0.517	304	0	
37	Pots and Traps, Fish	OPEN	all	MA	all	0	0		551			475		
38	Pots and Traps, Fish	OPEN	all	NE	all	4	0		0	0		0	0	
39	Pots and Traps, Conch	OPEN	all	MA	all	0			0			0		
40	Pots and Traps, Conch	OPEN	all	NE	all	0			0			0		
41	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0		0			0		
42	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0		0	0		0	0	
43	Pots and Traps, Shrimp	OPEN	all	NE	all				0			0		
44	Pots and Traps, Lobster	OPEN	all	MA	all	8			382			0		
45	Pots and Traps, Lobster	OPEN	all	NE	all	2,000			0	0		2,510		
46	Pots and Traps, Crab	OPEN	all	MA	all	0	0		0	0		0		
47	Pots and Traps, Crab	OPEN	all	NE	all	0			0	0		0		
48	Beam Trawl	OPEN	all	MA	all				49,470			75,895		
49	Beam Trawl	OPEN	all	NE	all				16,567			0		
50	Dredge, Other	OPEN	all	MA	all				0			0		
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0			3,500			0		
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0			0			0		
	Other fleets					74,855			0			2,985		
					TOTAL	24,873,659	167,478	0.335	24,205,340	283,394	0.946	16,122,589	432,326	0.306

Table 10. Estimates of precision (coefficient of variation) for sea turtle interactions by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009) and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered in the annual SBRM analyses or fleet with no NEFOP coverage. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equal 0.

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
1	Longline	OPEN	all	MA	all			
2	Longline	OPEN	all	NE	all			
3	Hand Line	OPEN	all	MA	all			
4	Hand Line	OPEN	all	NE	all			
5	Otter Trawl	OPEN	all	MA	sm	0.610	0.644	0.492
6	Otter Trawl	OPEN	all	MA	lg	0.678		0.847
7	Otter Trawl	OPEN	all	NE	sm		0.723	1.187
8	Otter Trawl	OPEN	all	NE	lg		0.756	1.077
9	Scallop Trawl	AA	GEN	MA	all			
10	Scallop Trawl	AA	LIM	MA	all			
11	Scallop Trawl	OPEN	GEN	MA	all			
12	Scallop Trawl	OPEN	LIM	MA	all			
13	Otter Trawl, Ruhle	OPEN	all	NE	lg			
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg			
15	Shrimp Trawl	OPEN	all	MA	all			
16	Shrimp Trawl	OPEN	all	NE	all			
17	Floating Trap	OPEN	all	MA	all			
18	Floating Trap	OPEN	all	NE	all			
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0.994		
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg		0.930	0.793
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0.880	0.485	
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm			
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg			
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg			
25	Purse Seine	OPEN	all	MA	all			
26	Purse Seine	OPEN	all	NE	all			
27	Scallop Dredge	AA	GEN	MA	all			
28	Scallop Dredge	AA	GEN	NE	all			
29	Scallop Dredge	AA	LIM	MA	all	1.834		
30	Scallop Dredge	AA	LIM	NE	all	0.945		
31	Scallop Dredge	OPEN	GEN	MA	all			
32	Scallop Dredge	OPEN	GEN	NE	all			

See supporting text for abbreviations.

Table 10, continued. Estimates of precision (coefficient of variation) for sea turtle interactions by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009) and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered in the annual SBRM analyses or fleet with no NEFOP coverage. Light shading indicates that the variance of the discard estimate was not used in the annual SBRM sample size analyses. Blank CV indicates either no discards or discards equal 0.

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	SBRM 2009	SBRM 2010	SBRM 2011
33	Scallop Dredge	OPEN	LIM	MA	all		0.826	0.551
34	Scallop Dredge	OPEN	LIM	NE	all			
35	Mid-water Paired & Single Trawl	OPEN	all	MA	all			
36	Mid-water Paired & Single Trawl	OPEN	all	NE	all			
37	Pots and Traps, Fish	OPEN	all	MA	all			
38	Pots and Traps, Fish	OPEN	all	NE	all			
39	Pots and Traps, Conch	OPEN	all	MA	all			
40	Pots and Traps, Conch	OPEN	all	NE	all			
41	Pots and Traps, Hagfish	OPEN	all	MA	all			
42	Pots and Traps, Hagfish	OPEN	all	NE	all			
43	Pots and Traps, Shrimp	OPEN	all	NE	all			
44	Pots and Traps, Lobster	OPEN	all	MA	all			
45	Pots and Traps, Lobster	OPEN	all	NE	all			
46	Pots and Traps, Crab	OPEN	all	MA	all			
47	Pots and Traps, Crab	OPEN	all	NE	all			
48	Beam Trawl	OPEN	all	MA	all			
49	Beam Trawl	OPEN	all	NE	all			
50	Dredge, Other	OPEN	all	MA	all			
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all			
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all			

See supporting text for abbreviations.

Table 11. Comparison of methods used to estimate SBRM standard sea days (via CVs) and discards for sea turtles.

	Sea days	Sea turtle discards
Analytic approach	Design-based	Model-based with environmental correlates
Species	All sea turtles	Usually loggerheads only (hardshells, in one case)
Time included	July-June of single year	Multiple years (see Table 12)
Strata	52 fleets	Quantified in 3 gear types, not quantified in rest
Basis for strata	Port of departure and gear	Area fished and gear
Production interval	Annually	Approximately every 5 years

Table 12. Most recent average annual estimates of sea turtle interactions and associated CVs in U.S. Mid-Atlantic commercial fisheries. Note that the scallop dredge discard estimate includes observable interactions plus unobservable/quantifiable interactions.

Fishery	Estimate	CV	Years included	Species	Reference
Bottom trawl fish	616	0.23	01 Jan 1996-2004	Loggerhead	Murray 2008
Bottom trawl scallop	81 to 191	0.32 to 0.50	01 Jan 2004-2005	Loggerhead	Murray 2007
Sea Scallop Dredge	95	0.18	26 Sep 2006-2008	Loggerhead	Murray 2011
Sea Scallop Dredge	125	0.15	26 Sep 2006-2008	Hard-shelled	Murray 2011
Gillnet	350	0.20	01 Jan 1995-2006	Loggerhead	Murray 2009

Table 13. Standardized Bycatch Reporting Methodology sea day standard and prioritized sea days by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009) and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered in the annual SBRM analyses. IF= Industry-funded scallop fleets in SBRM 2009.

						SBRM 2009		SBRM 2010		SBRM 2011	
Row	Gear Type	Access Area	Trip Cat.	Region	Mesh Group	2009 SBRM Standard Sea Days	***Prioritized April 2009 - March 2010 Coverage REVISED***	2010 SBRM Standard Sea Days	***Prioritized April 2010 - March 2011 Coverage REVISED***	2011 SBRM Standard Sea Days	***Prioritized April 2011 - March 2012 Coverage REVISED***
1	Longline	OPEN	all	MA	all	108	0	109	102	79	44
2	Longline	OPEN	all	NE	all	456	104	25	178	184	237
3	Hand Line	OPEN	all	MA	all	80	0	70	0	74	0
4	Hand Line	OPEN	all	NE	all	44	0	50	12	49	419
5	Otter Trawl	OPEN	all	MA	sm	1,495	347	1,415	553	1,449	709
6	Otter Trawl	OPEN	all	MA	lg	1,459	655	2,175	1,582	2,835	820
7	Otter Trawl	OPEN	all	NE	sm	4,027	1,019	2,192	954	4,274	529
8	Otter Trawl	OPEN	all	NE	lg	1,233	1,233	668	4,019	5,183	4,127
9	Scallop Trawl	AA	GEN	MA	all	27	0	12	71	12	32
10	Scallop Trawl	AA	LIM	MA	all	46	0	41	**	88	7
11	Scallop Trawl	OPEN	GEN	MA	all	39	0	41	41	29	0
12	Scallop Trawl	OPEN	LIM	MA	all	97	0	84	*	95	10
13	Otter Trawl, Ruhle	OPEN	all	NE	lg			3	446	22	11
14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg					21	15
15	Shrimp Trawl	OPEN	all	MA	all	80	0	97	0	74	0
16	Shrimp Trawl	OPEN	all	NE	all	61	16	36	16	18	18
17	Floating Trap	OPEN	all	MA	all			15	0	3	0
18	Floating Trap	OPEN	all	NE	all			9	0	9	0
19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	1,155	0	35	0	39	0
20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	139	0	478	128	755	206
21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	1,273	55	423	284	86	324
22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	12	0	12	0	12	0
23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	187	225	159	1,595	147	1,822
24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	171	34	140	654	256	611
25	Purse Seine	OPEN	all	MA	all	10	44	10	18	9	43
26	Purse Seine	OPEN	all	NE	all	24	71	30	30	23	112
27	Scallop Dredge	AA	GEN	MA	all	36	IF	43	88 ***	29	48
28	Scallop Dredge	AA	GEN	NE	all	26	IF	12	***	17	50
29	Scallop Dredge	AA	LIM	MA	all	271	IF	93	775 **	178	739
30	Scallop Dredge	AA	LIM	NE	all	233	IF	255	327	170	765
31	Scallop Dredge	OPEN	GEN	MA	all	167	29	49	49	43	43
32	Scallop Dredge	OPEN	GEN	NE	all	43	6	23	23	68	68
33	Scallop Dredge	OPEN	LIM	MA	all	398	IF	3,443	1410 *	1,417	1,045

See supporting text for abbreviations.

Table 13, continued. Standardized Bycatch Reporting Methodology sea day standard and prioritized sea days by fleet for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009) and SBRM 2011 (July 2009 through June 2010). Dark shading indicates fleets not considered in the annual SBRM analyses. IF= Industry-funded scallop fleets in SBRM 2009.

						SBRM 2009		SBRM 2010		SBRM 2011	
Row	Gear Type	Access Area	Trip Cat.	Region	Mesh Group	2009 SBRM Standard Sea Days	***Prioritized April 2009 - March 2010 Coverage REVISED***	2010 SBRM Standard Sea Days	***Prioritized April 2010 - March 2011 Coverage REVISED***	2011 SBRM Standard Sea Days	***Prioritized April 2011 - March 2012 Coverage REVISED***
34	Scallop Dredge	OPEN	LIM	NE	all	254	IF	475	*	658	658
35	Mid-water Paired & Single Trawl	OPEN	all	MA	all	41	12	34	66	30	30
36	Mid-water Paired & Single Trawl	OPEN	all	NE	all	433	433	379	379	190	235
37	Pots and Traps, Fish	OPEN	all	MA	all	28	0	26	0	24	0
38	Pots and Traps, Fish	OPEN	all	NE	all	17	0	13	0	12	85
39	Pots and Traps, Conch	OPEN	all	MA	all	15	0	16	0	20	0
40	Pots and Traps, Conch	OPEN	all	NE	all	14	0	13	0	15	0
41	Pots and Traps, Hagfish	OPEN	all	MA	all	106	0	128	0	3	0
42	Pots and Traps, Hagfish	OPEN	all	NE	all	55	0	56	0	60	0
43	Pots and Traps, Shrimp	OPEN	all	NE	all			9	0	8	0
44	Pots and Traps, Lobster	OPEN	all	MA	all	69	0	68	0	66	0
45	Pots and Traps, Lobster	OPEN	all	NE	all	430	0	427	0	452	0
46	Pots and Traps, Crab	OPEN	all	MA	all	28	0	37	0	12	0
47	Pots and Traps, Crab	OPEN	all	NE	all	70	0	51	0	53	0
48	Beam Trawl	OPEN	all	MA	all			31	0	29	0
49	Beam Trawl	OPEN	all	NE	all			18	0	14	0
50	Dredge, Other	OPEN	all	MA	all			23	0	21	0
51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	122	0	67	0	61	0
52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	46	0	29	0	32	0
	Crab Trawl	OPEN	all	MA	all						15
	SAP/B day/US-CAN (in 2010 & 2011 included in Row 8)						1,940				0
	Herring CAI coverage								150		127
	Discovery Days						60				0
					Total Days	15,125	6,283	14,147	13,950	19,507	14,004

*Note: In SBRM 2010, * denotes 1,410 days for Rows 12, 33, and 34 (Industry-funded fleets); ** denotes 775 days for Rows 10 and 29 (Industry-funded fleets); and *** denotes 88 days for Rows 27 and 28 (Industry-funded fleets).*

See supporting text for abbreviations.

Table 14. Fleet abbreviations used in figures. Fleets that were filtered out through the importance filter and fleets designated as in need of pilot coverage have been aggregated into "Other fleets." Fleets with no NEFOP trips during the 3 years are denoted with "X."

Fleet Abbreviation	Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	No NEFOP trips
LL MA	1	Longline	OPEN	all	MA	all	
LL NE	2	Longline	OPEN	all	NE	all	
HND MA	3	Hand Line	OPEN	all	MA	all	X
HND NE	4	Hand Line	OPEN	all	NE	all	
OT SM MA	5	Otter Trawl	OPEN	all	MA	sm	
OT LG MA	6	Otter Trawl	OPEN	all	MA	lg	
OT SM NE	7	Otter Trawl	OPEN	all	NE	sm	
OT LG NE	8	Otter Trawl	OPEN	all	NE	lg	
SCT AA GEN MA	9	Scallop Trawl	AA	GEN	MA	all	
SCT AA LIM MA	10	Scallop Trawl	AA	LIM	MA	all	
SCT OPEN GEN MA	11	Scallop Trawl	OPEN	GEN	MA	all	
SCT OPEN LIM MM	12	Scallop Trawl	OPEN	LIM	MA	all	X
OTR NE	13	Otter Trawl, Ruhle	OPEN	all	NE	lg	
OTHS NE	14	Otter Trawl, Haddock Separator	OPEN	all	NE	lg	
SHT MA	15	Shrimp Trawl	OPEN	all	MA	all	
SHT NE	16	Shrimp Trawl	OPEN	all	NE	all	
FT MA	17	Floating Trap	OPEN	all	MA	all	X
FT NE	18	Floating Trap	OPEN	all	NE	all	X
GN SM MA	19	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	
GN LG MA	20	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	
GN XLG MA	21	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	
GN SM NE	22	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	
GN LG NE	23	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	
GN XLG NE	24	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	
PS MA	25	Purse Seine	OPEN	all	MA	all	
PS NE	26	Purse Seine	OPEN	all	NE	all	
SCD AA GEN MA	27	Scallop Dredge	AA	GEN	MA	all	
SCD AA GEN NE	28	Scallop Dredge	AA	GEN	NE	all	
SCD AA LIM MA	29	Scallop Dredge	AA	LIM	MA	all	
SCD AA LIM NE	30	Scallop Dredge	AA	LIM	NE	all	
SCD OPEN GEN MA	31	Scallop Dredge	OPEN	GEN	MA	all	
SCD OPEN GEN NE	32	Scallop Dredge	OPEN	GEN	NE	all	
SCD OPEN LIM MA	33	Scallop Dredge	OPEN	LIM	MA	all	
SCD OPEN LIM NE	34	Scallop Dredge	OPEN	LIM	NE	all	
MWT MA	35	Mid-water Paired & Single Trawl	OPEN	all	MA	all	
MWT NE	36	Mid-water Paired & Single Trawl	OPEN	all	NE	all	
FPT MA	37	Pots and Traps, Fish	OPEN	all	MA	all	
FPT NE	38	Pots and Traps, Fish	OPEN	all	NE	all	
CPT MA	39	Pots and Traps, Conch	OPEN	all	MA	all	X
CPT NE	40	Pots and Traps, Conch	OPEN	all	NE	all	X
HPT MA	41	Pots and Traps, Hagfish	OPEN	all	MA	all	
HPT NE	42	Pots and Traps, Hagfish	OPEN	all	NE	all	
SPT NE	43	Pots and Traps, Shrimp	OPEN	all	NE	all	X
LPT MA	44	Pots and Traps, Lobster	OPEN	all	MA	all	X
LPT NE	45	Pots and Traps, Lobster	OPEN	all	NE	all	
CRPT MA	46	Pots and Traps, Crab	OPEN	all	MA	all	
CRPT NE	47	Pots and Traps, Crab	OPEN	all	NE	all	
BT MA	48	Beam Trawl	OPEN	all	MA	all	X
BT NE	49	Beam Trawl	OPEN	all	NE	all	X
DRO MA	50	Dredge, Other	OPEN	all	MA	all	X
CD MA	51	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	X
CD NE	52	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	X
Other Fleets		Other fleets aggregated together					

See supporting text for abbreviations.

Figure 1. Percentage of Vessel Trip Report trips observed by NEFOP for 24 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Results represent the ratio of total NEFOP trips over total VTR trips for each fleet. See Table 14 for fleet abbreviations.

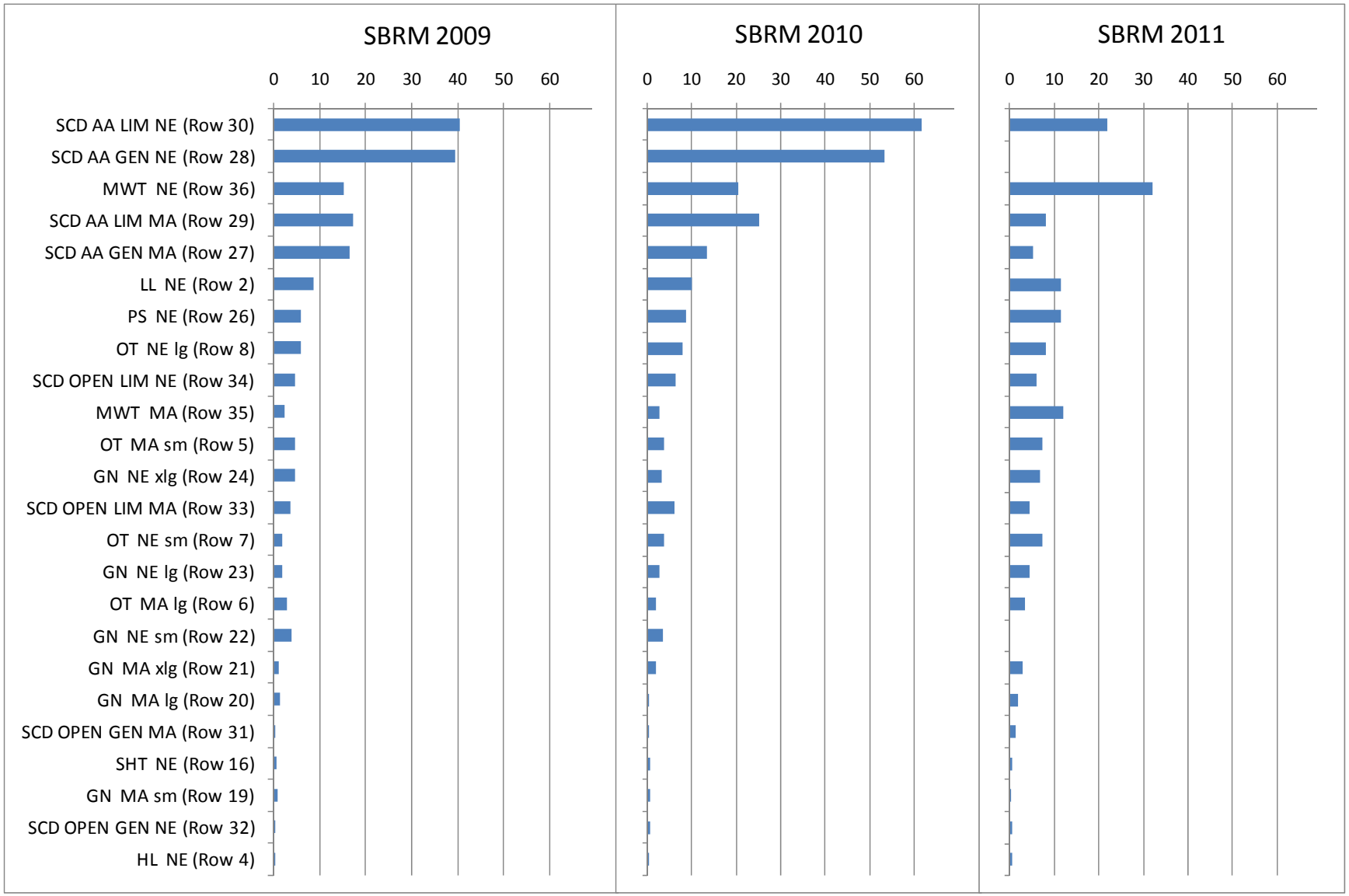


Figure 2. Percentage of Vessel Trip Report sea days observed by NEFOP for 24 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Results represent the ratio of total NEFOP sea days over total VTR sea days for each fleet. See Table 14 for fleet abbreviations.

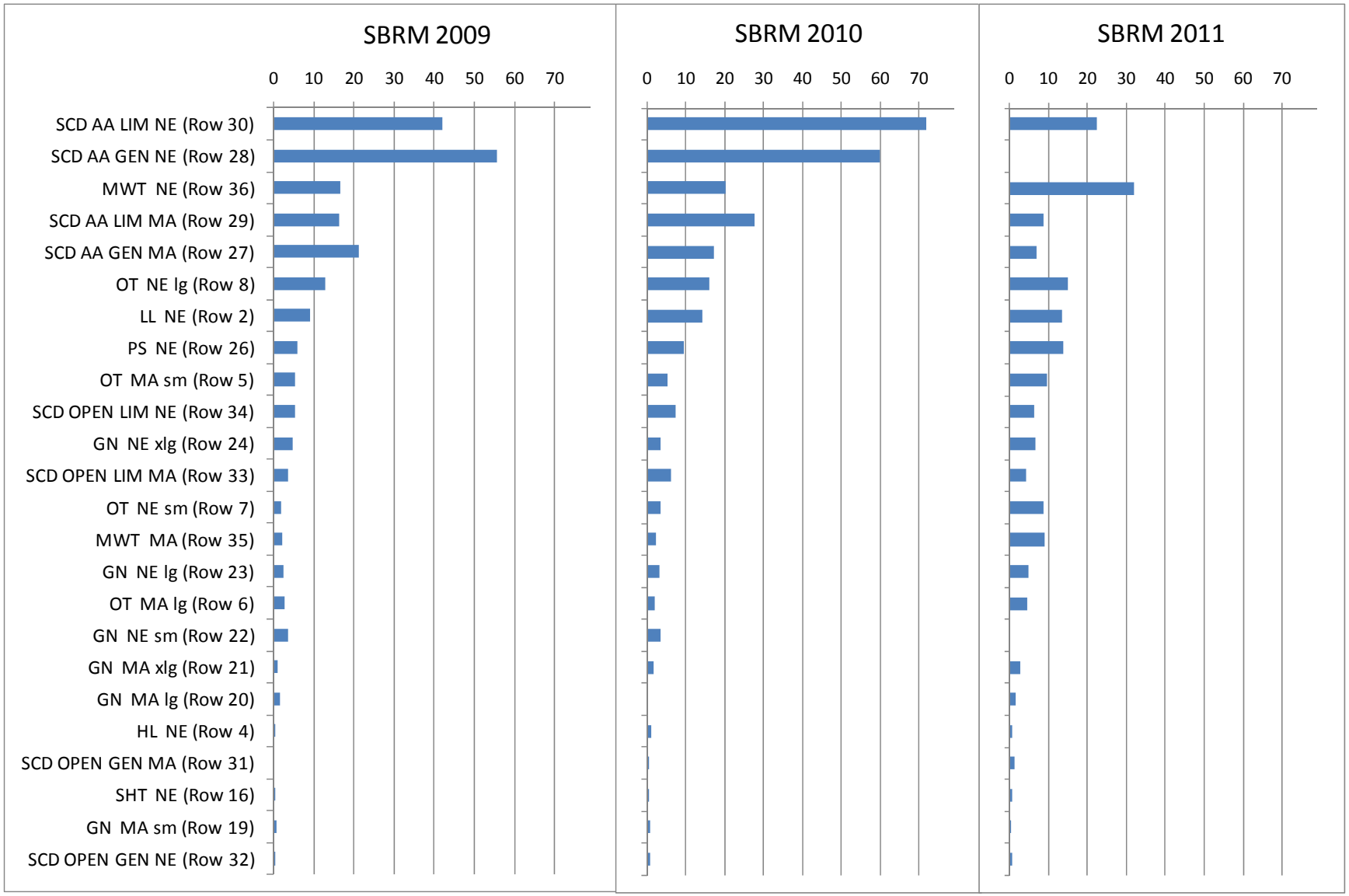


Figure 3. Percentage of Vessel Trip Report landings observed by Northeast Fisheries Observer Program for 24 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Results represent the ratio of total NEFOP observed landings over total VTR landings for each fleet. See Table 14 for fleet abbreviations.

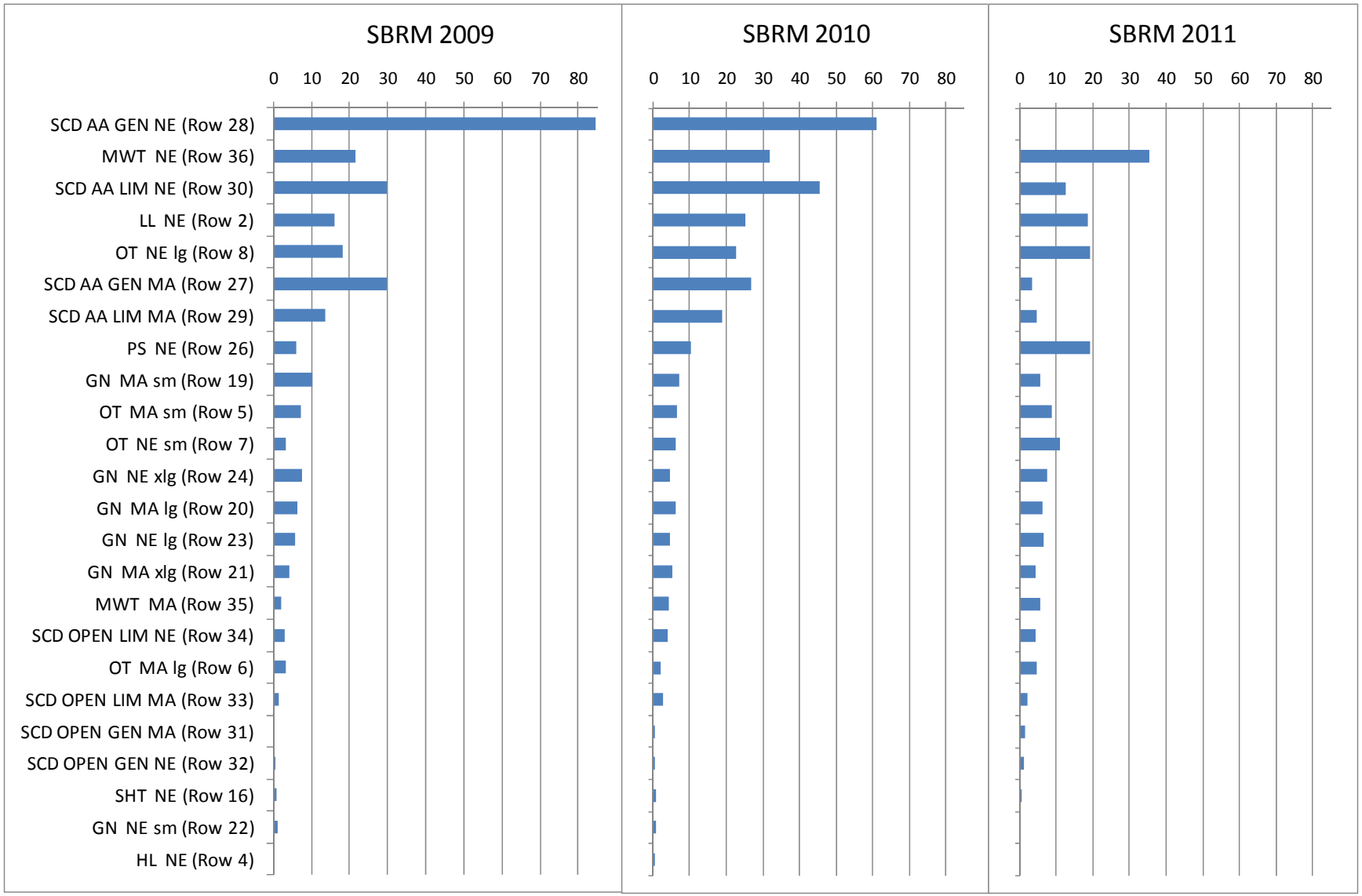


Figure 4. Percentage of estimated discards for each of the 14 SBRM species groups over all fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Results represent the ratio of the sum of the discards over the sum of the total catch (landings + discards) over all fleets for each species group. Salmon is not presented due to no landings and no discards during these 3 years.

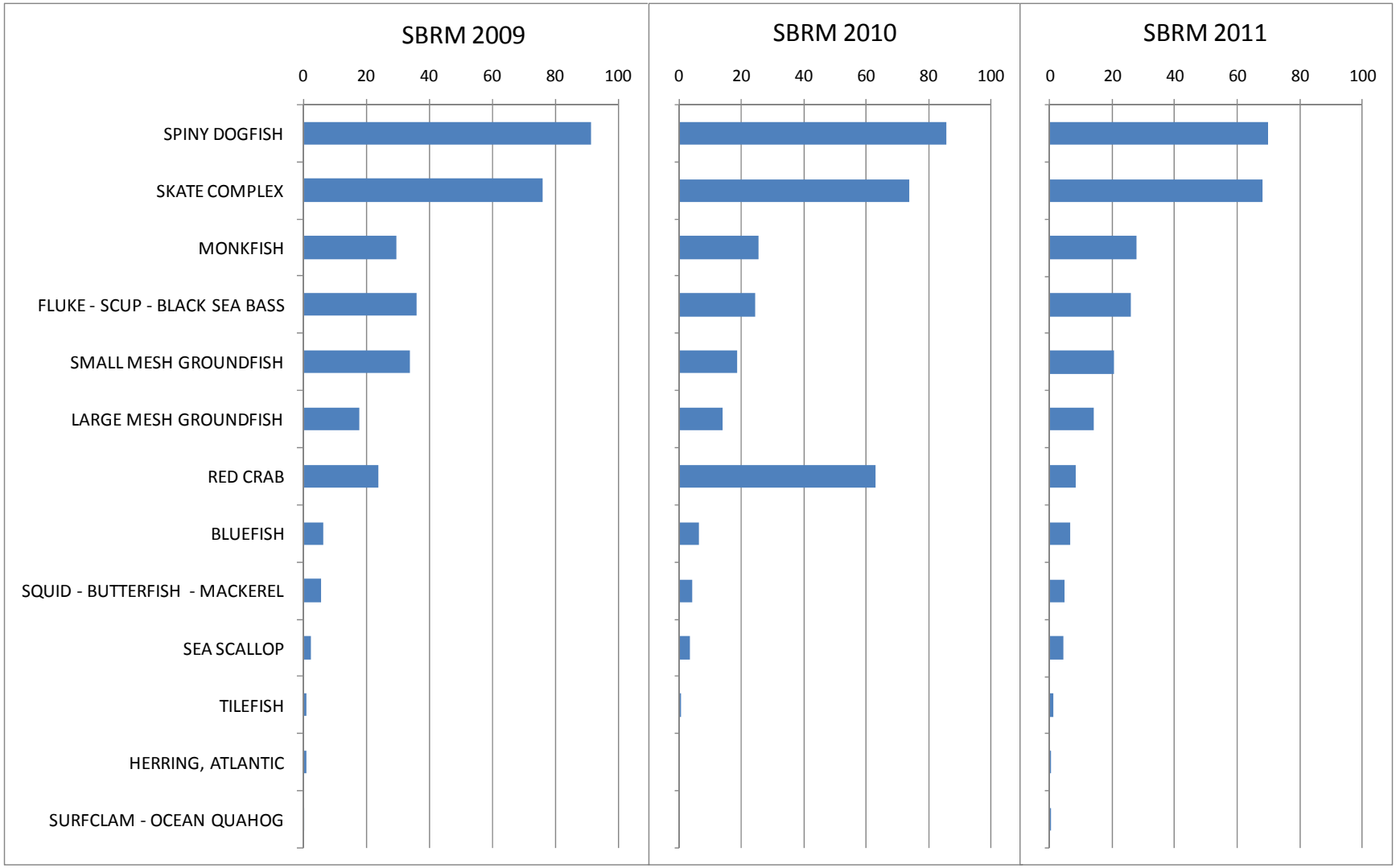


Figure 5. Percentage of estimated discards for the 14 SBRM species groups combined for 24 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). Results represent the ratio of the sum of the discards over the sum of the total catch (landings + discards) for the 14 SBRM species groups combined. See Table 14 for fleet abbreviations. (*Note: NE Shrimp trawl (Row 16) has been excluded*.)

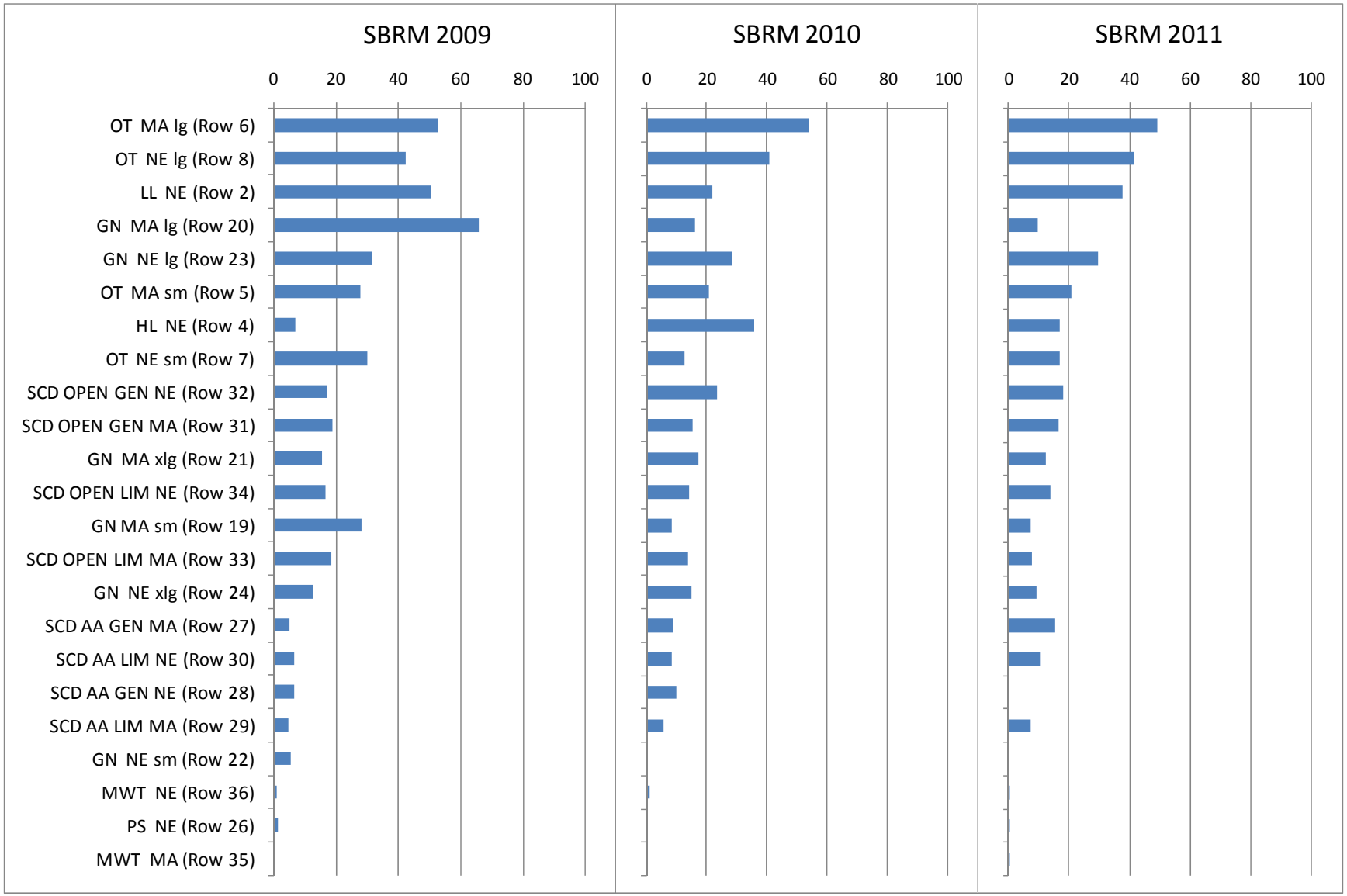


Figure 6A. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.

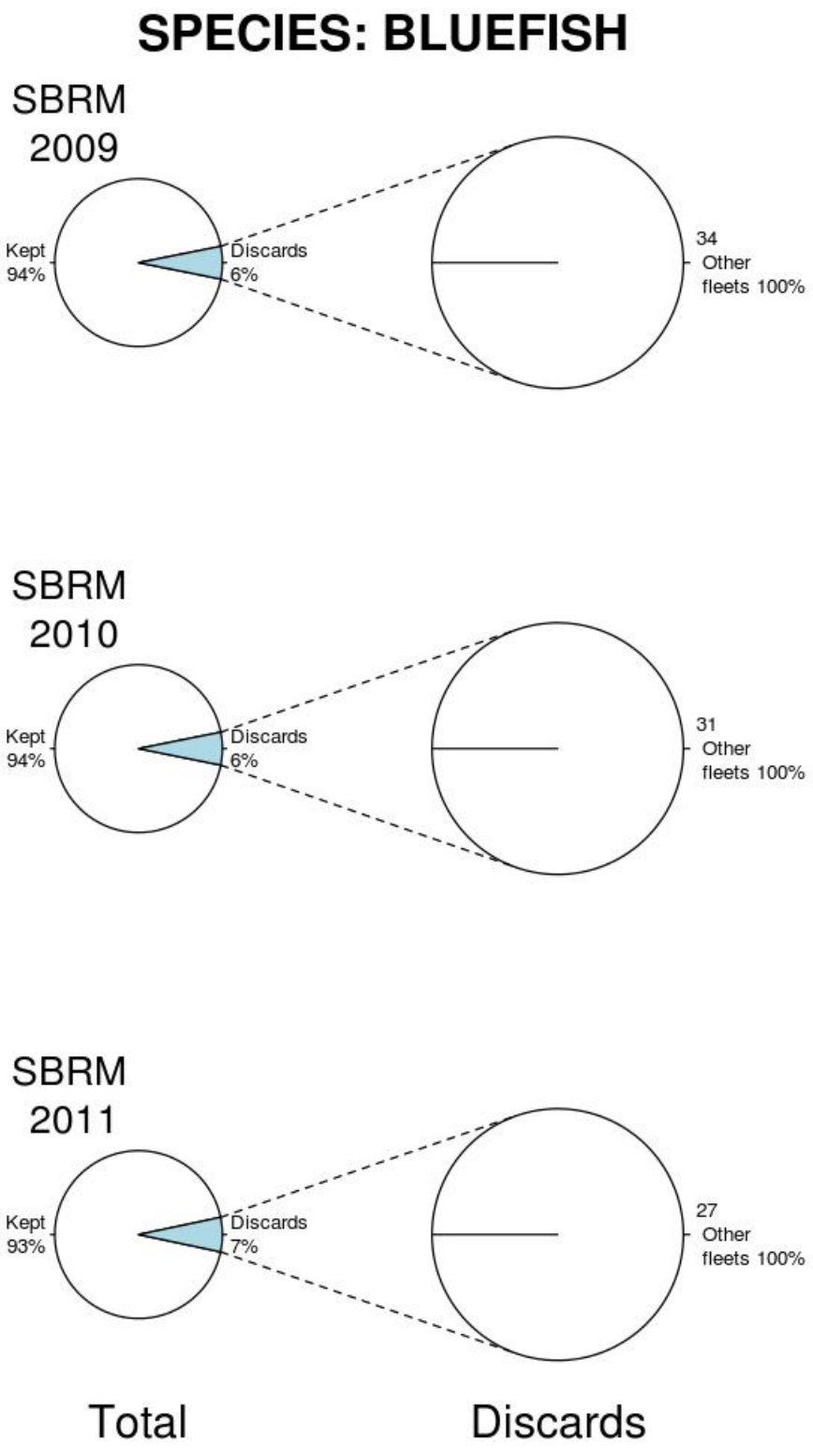


Figure 6A, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.

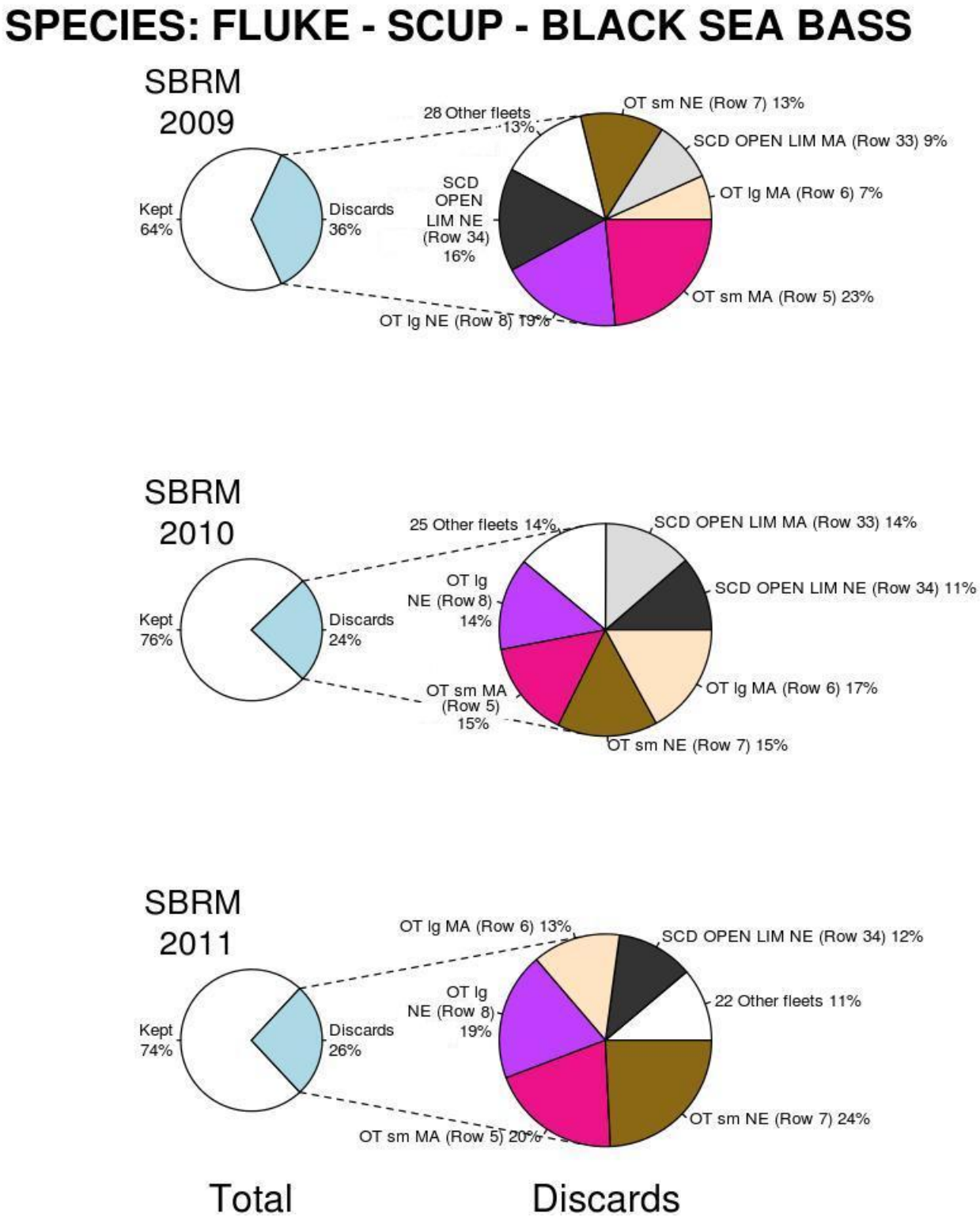


Figure 6A, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.

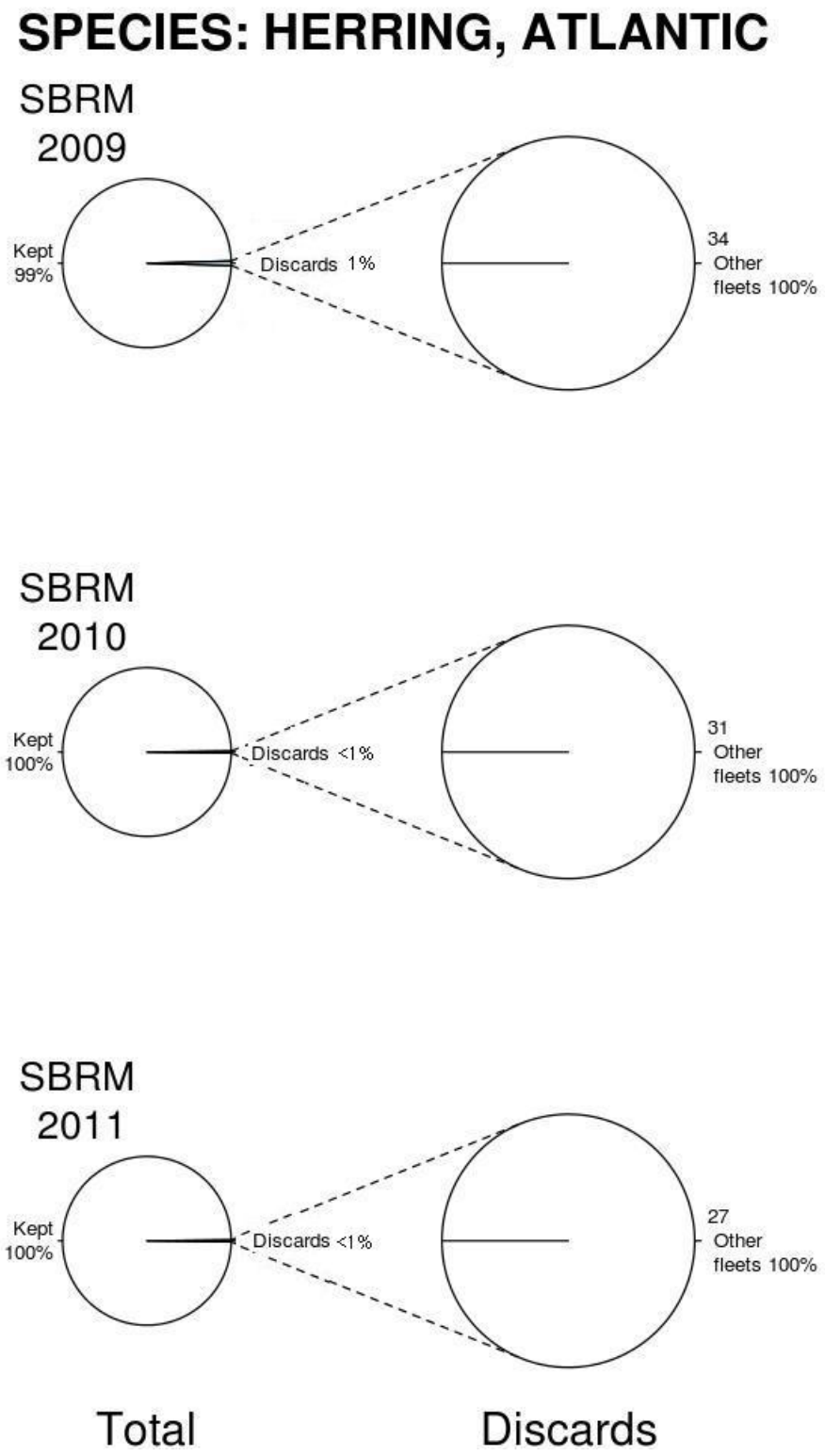


Figure 6A, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.

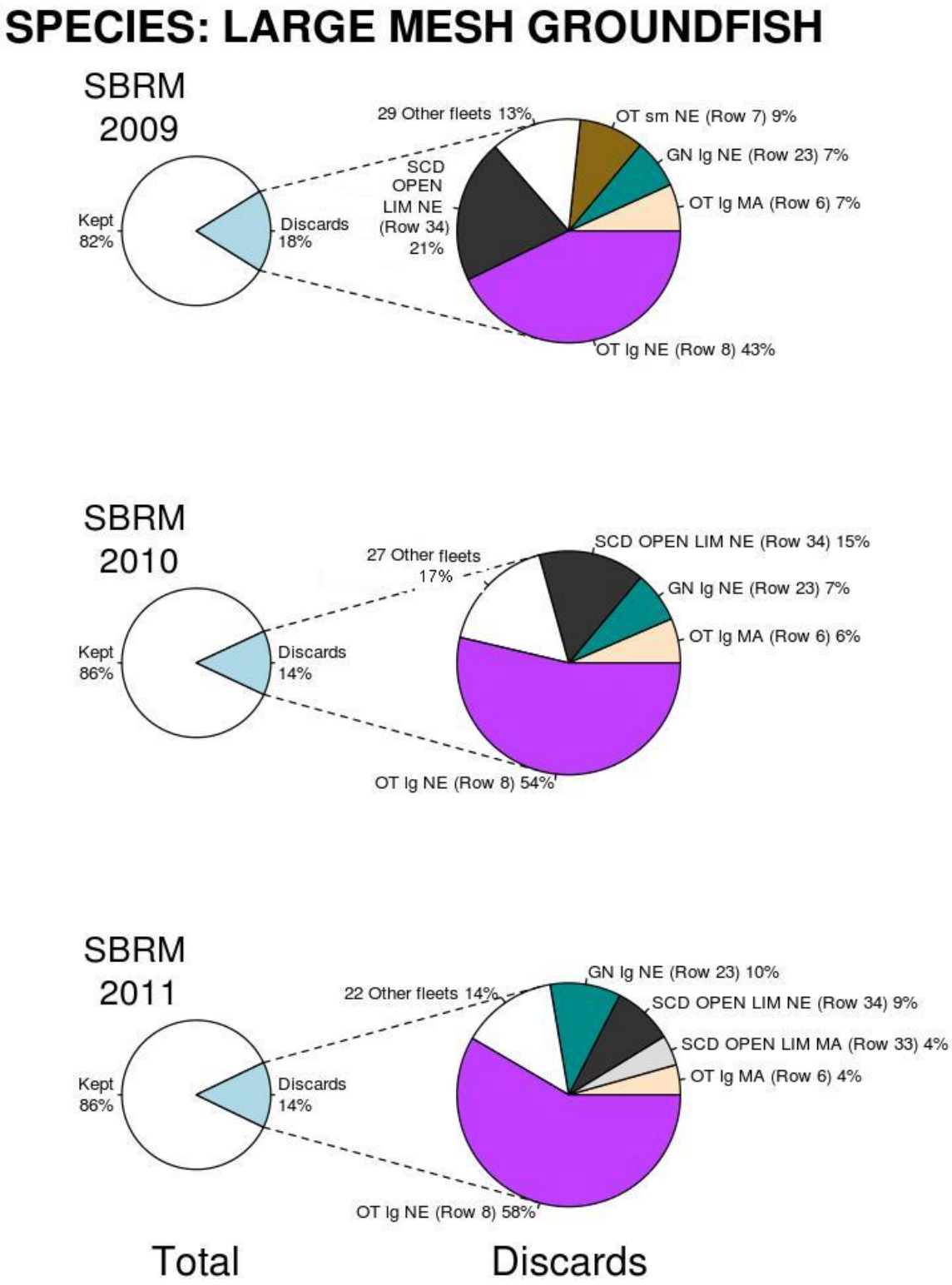


Figure 6A, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.

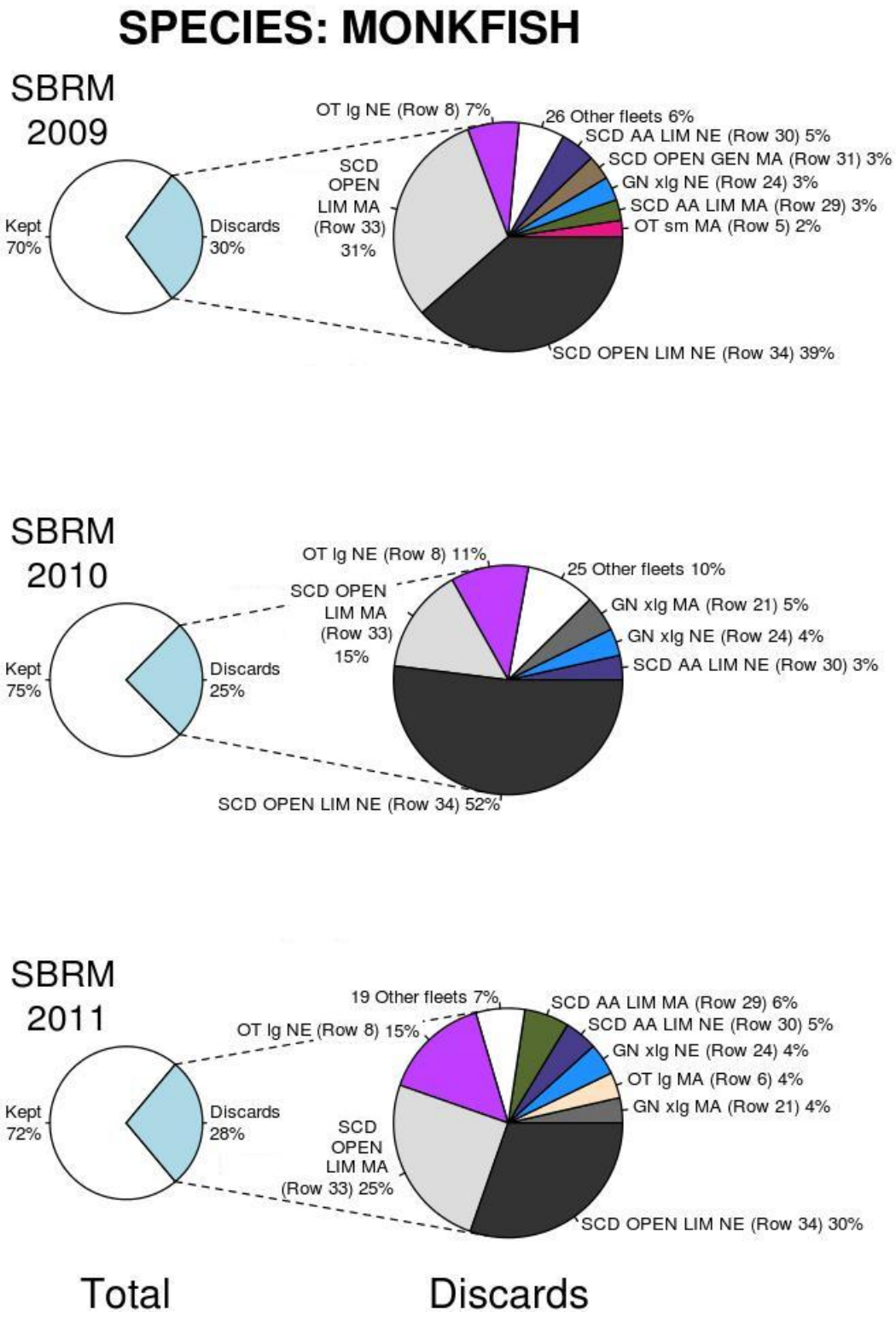


Figure 6A, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.

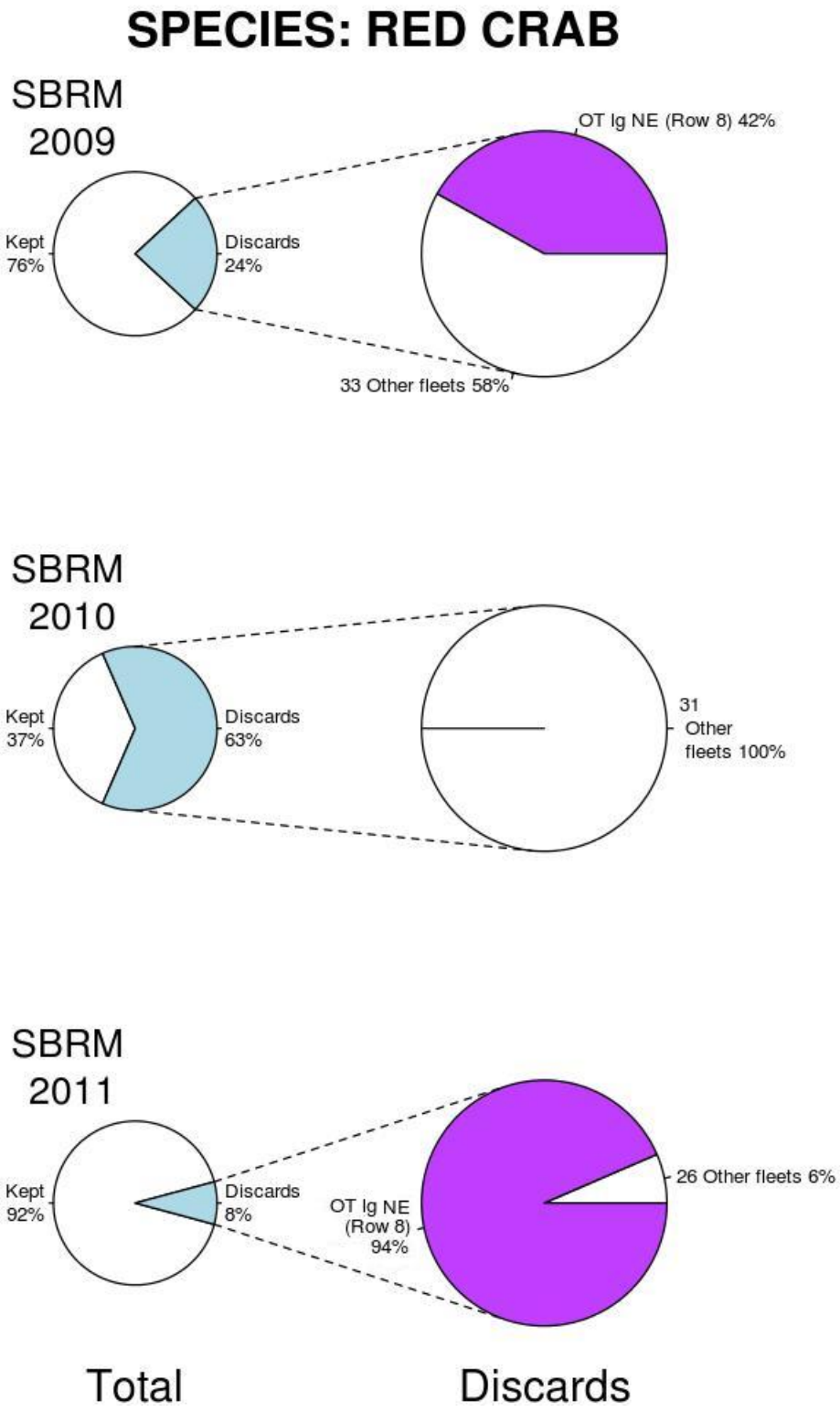


Figure 6A, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.

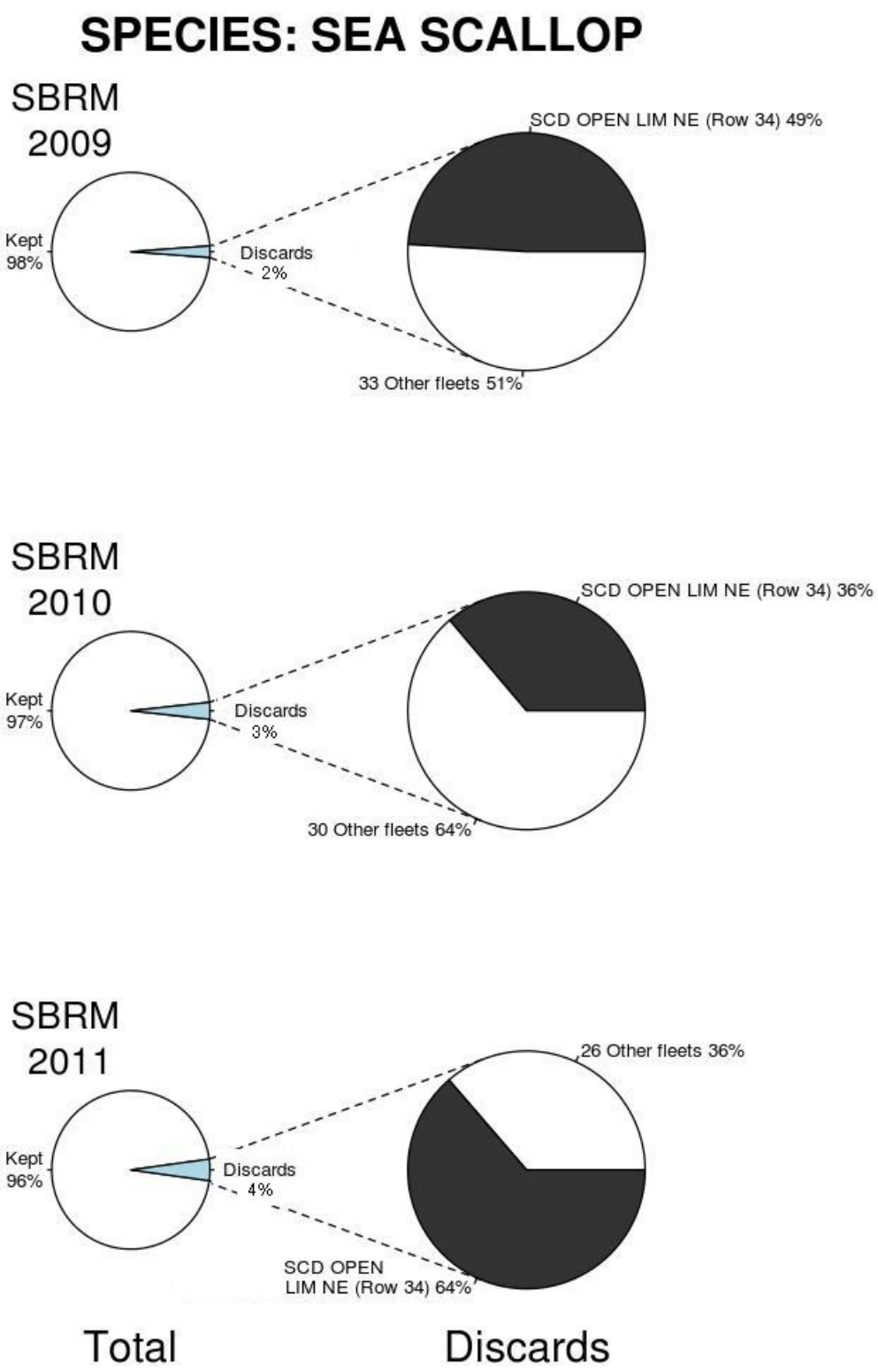
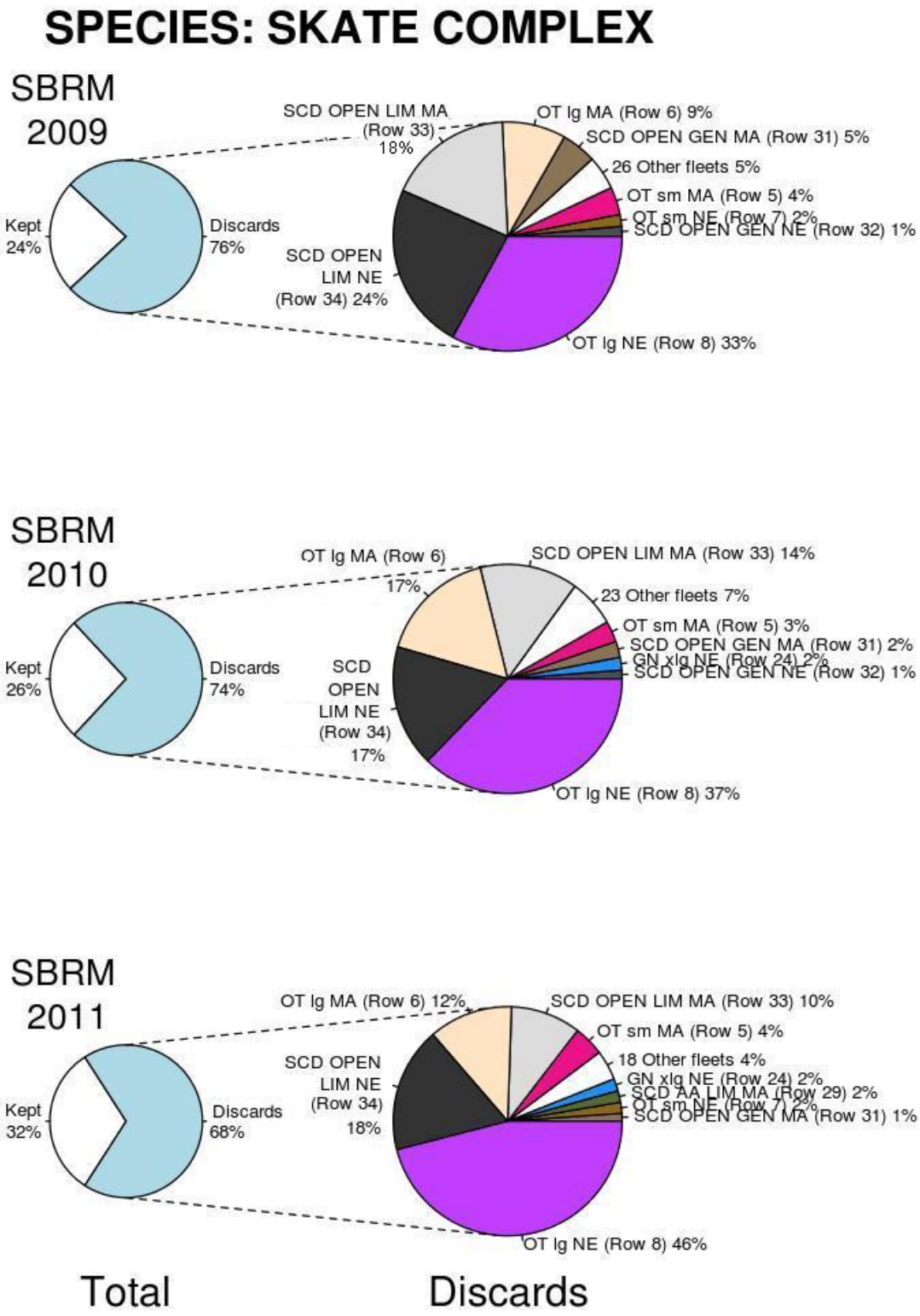


Figure 6A, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.



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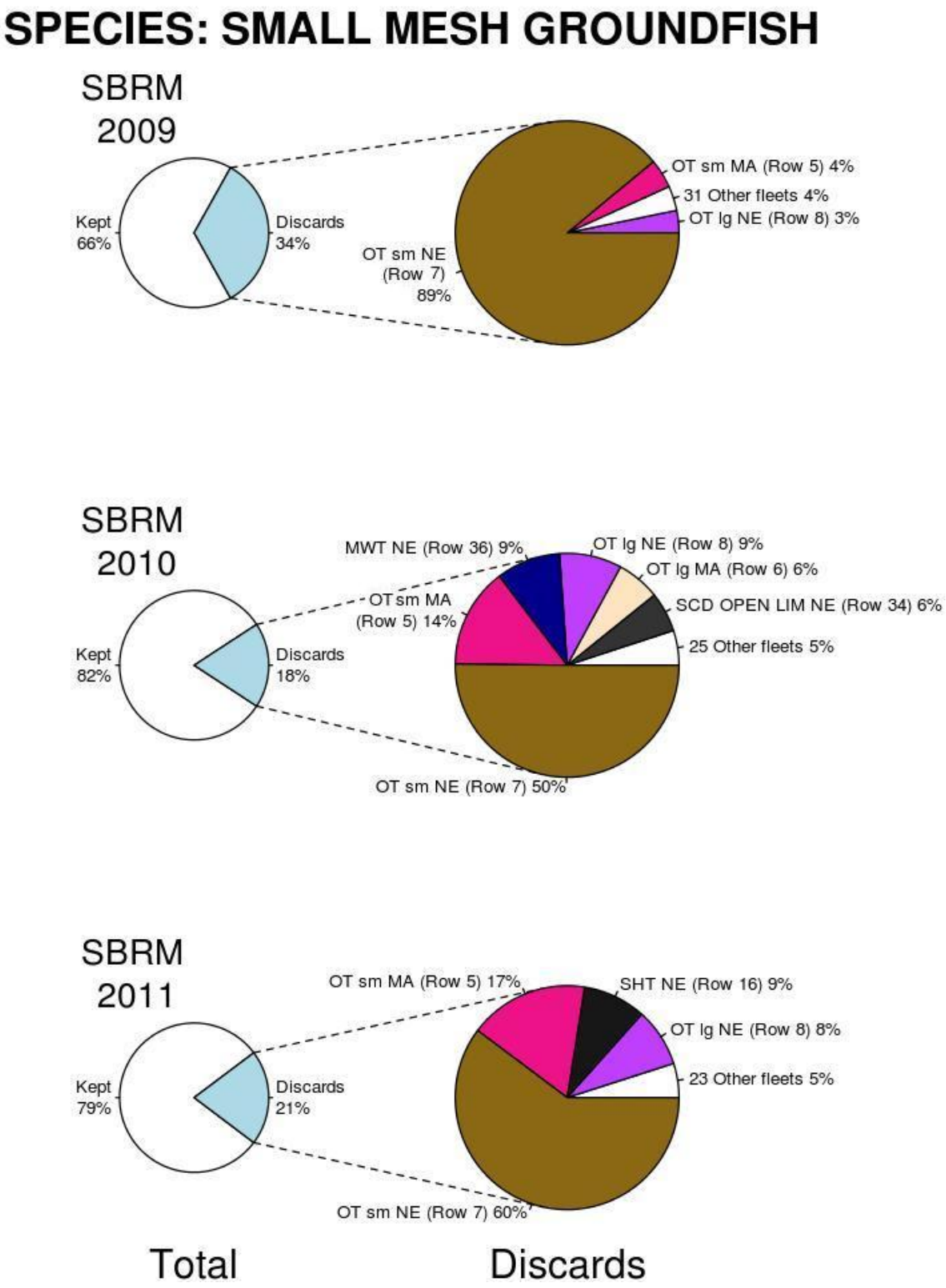


Figure 6A, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.

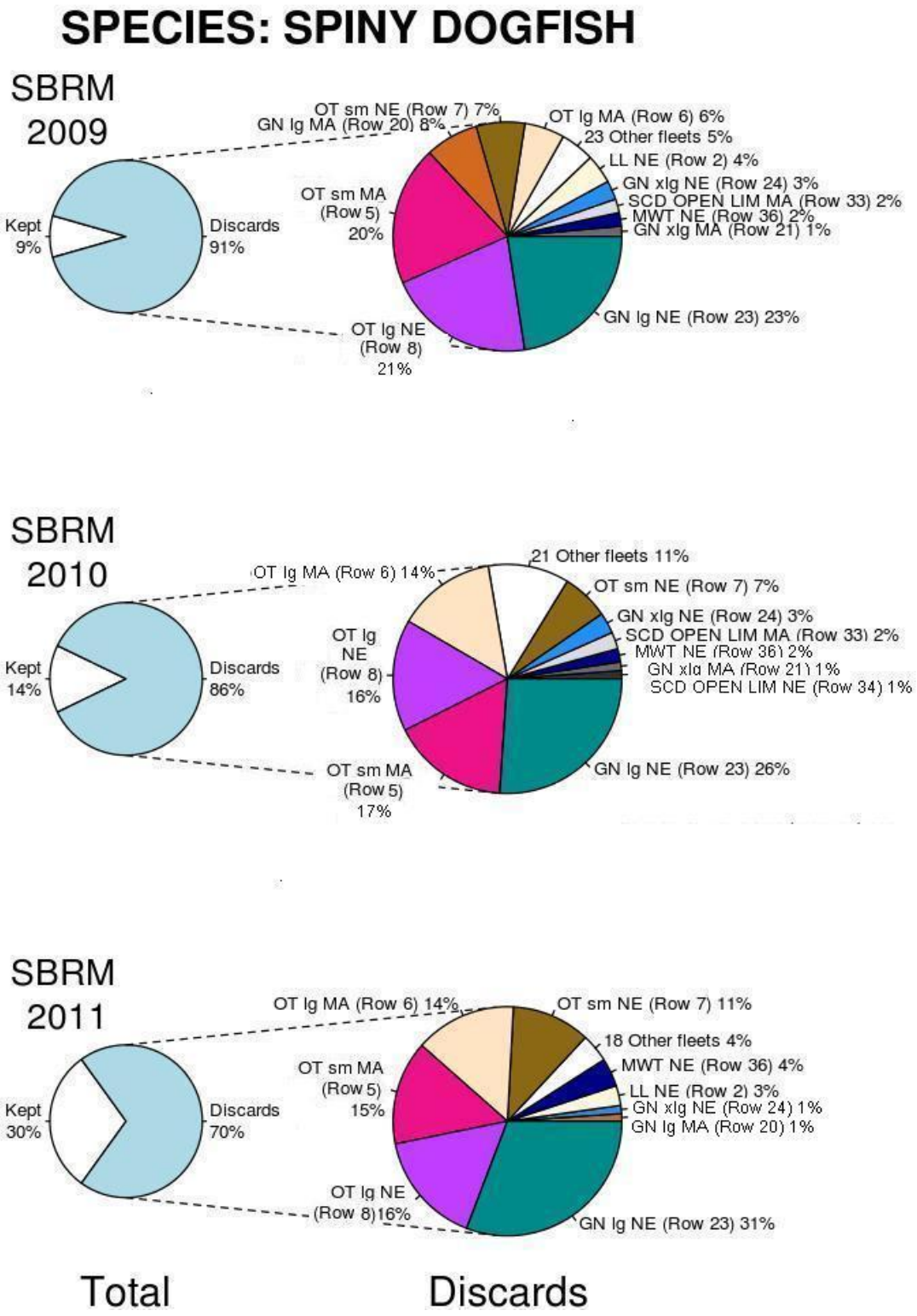
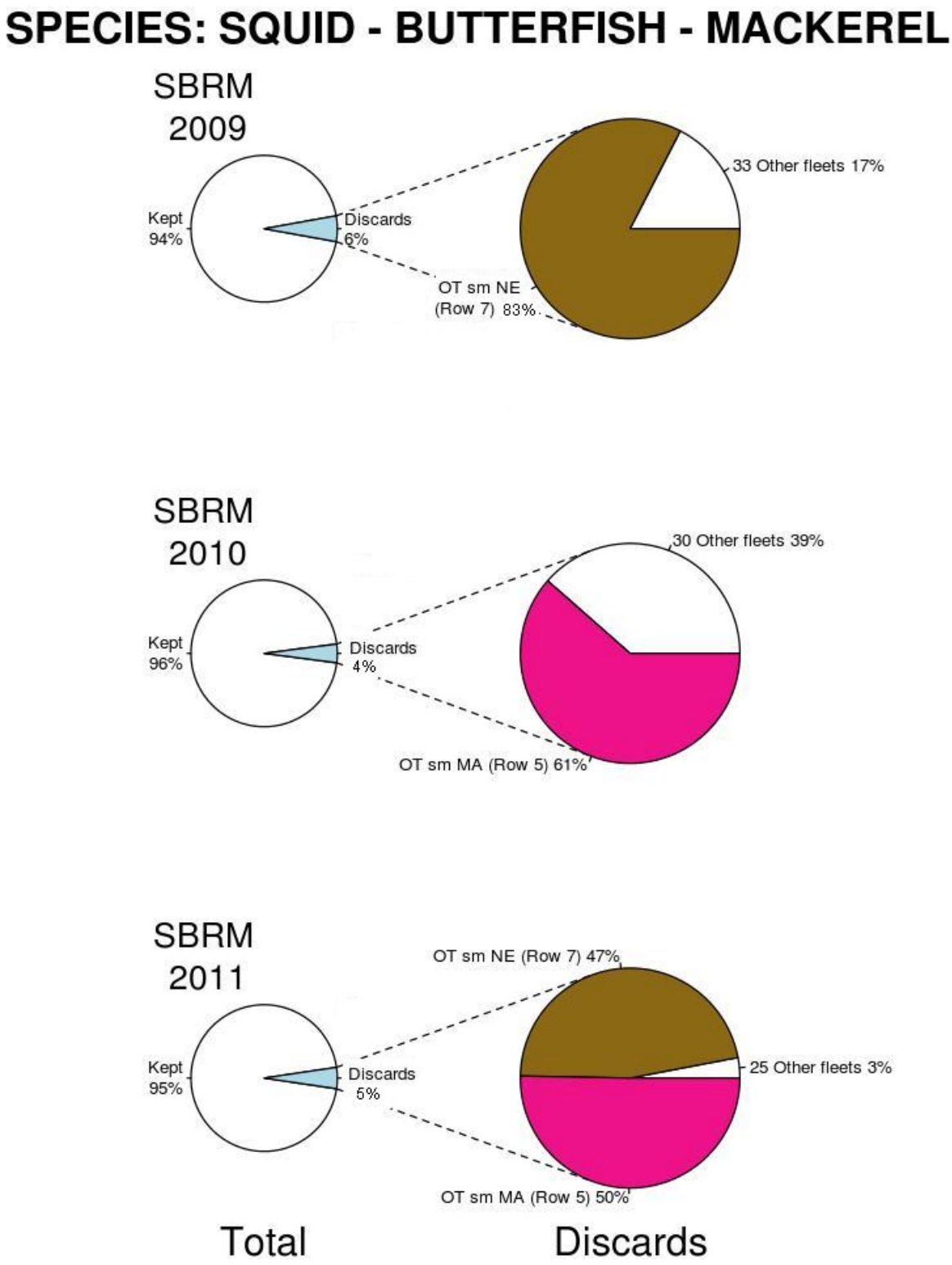


Figure 6A, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for each of the 14 SBRM species groups (except Atlantic Salmon) for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.



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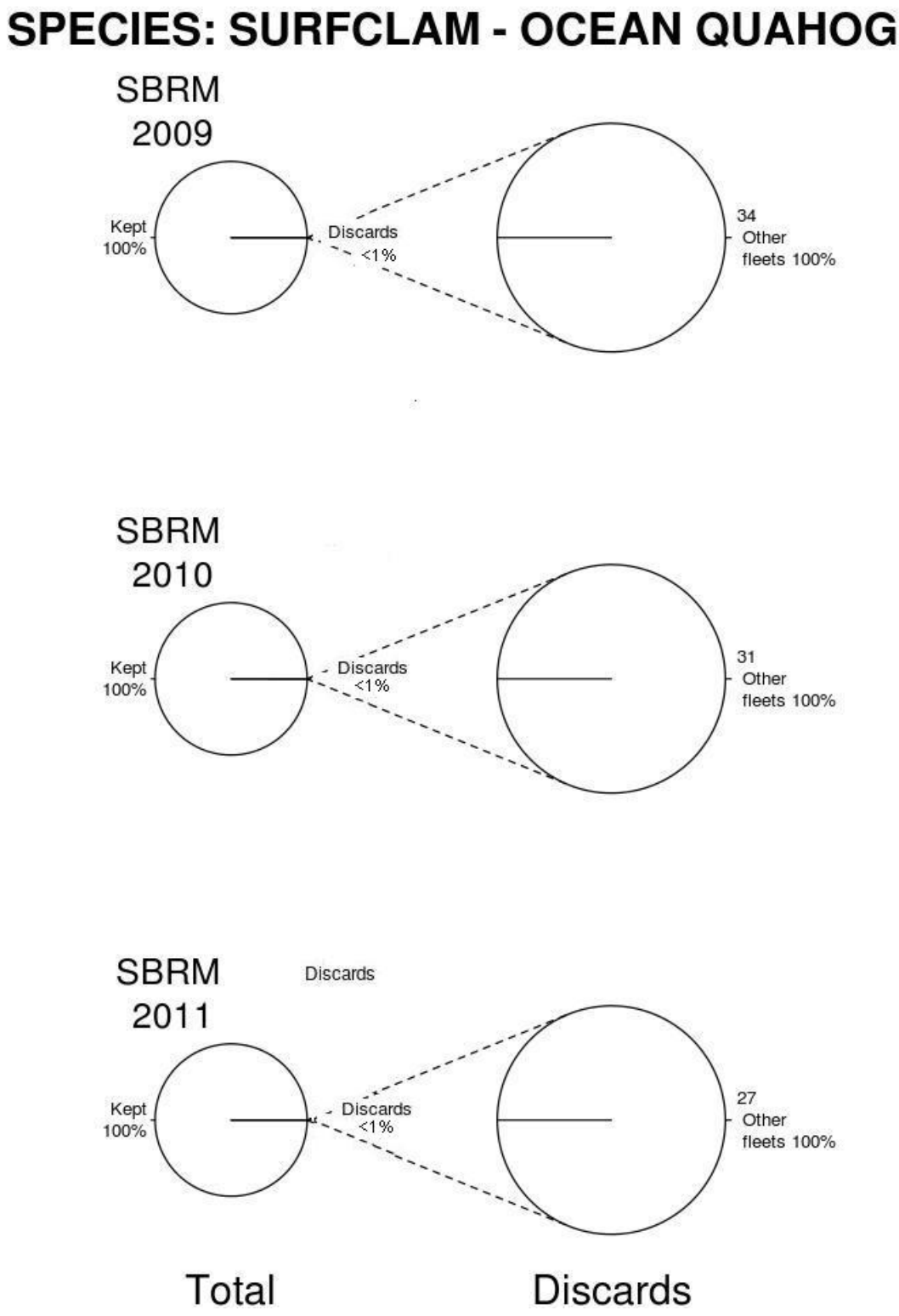

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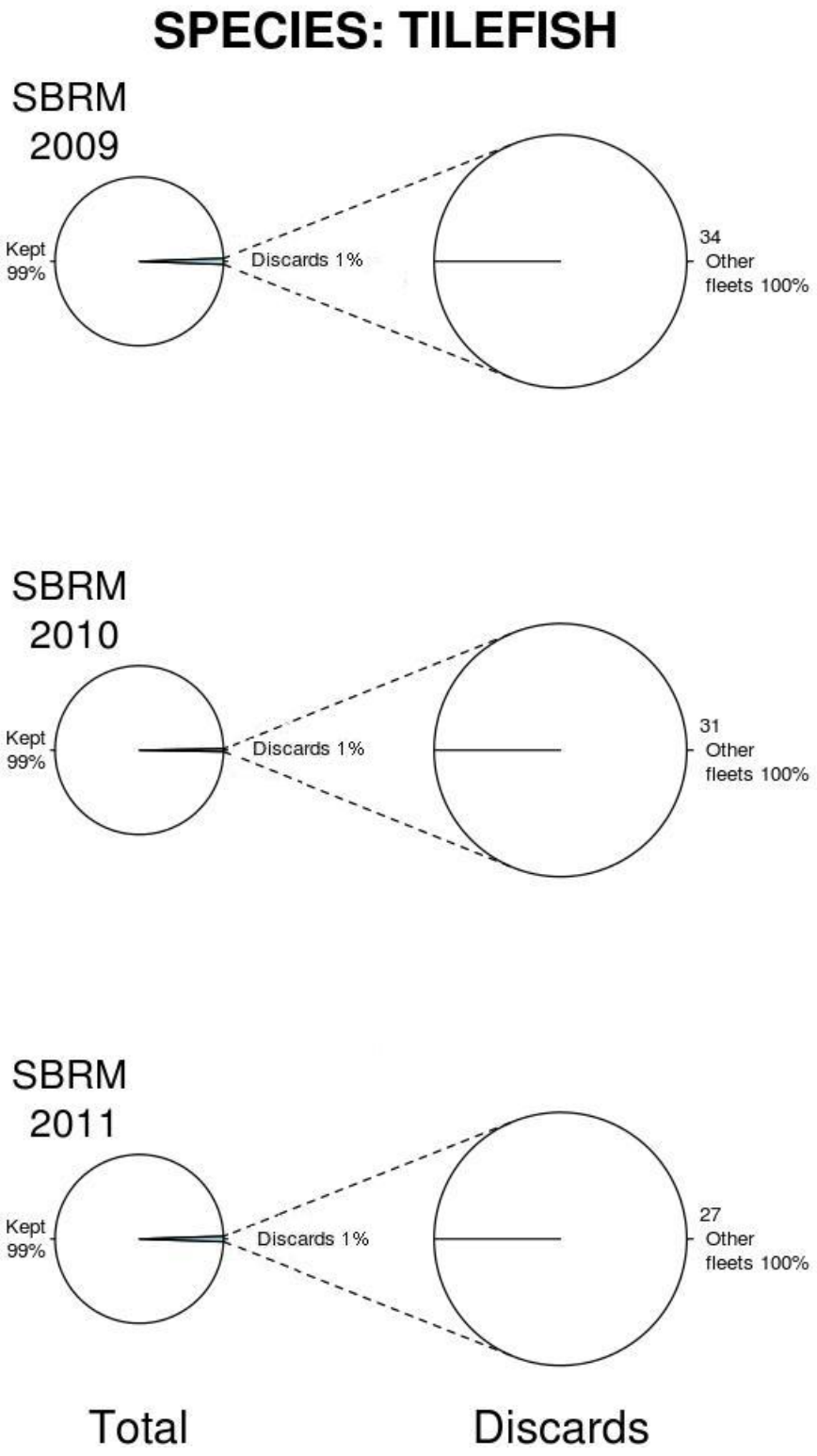


Figure 6B. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for individual species comprising the 14 SBRM species groups for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.

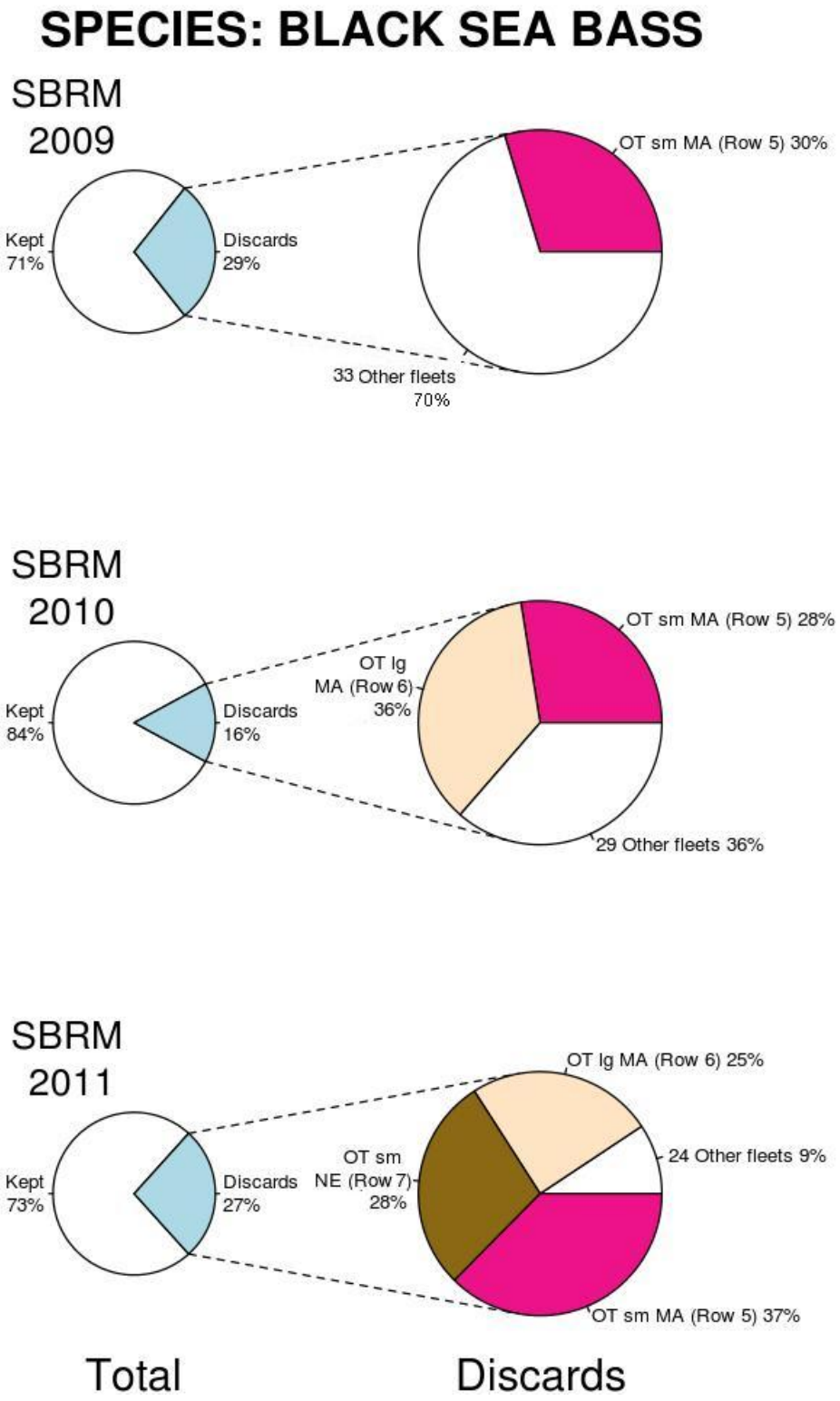
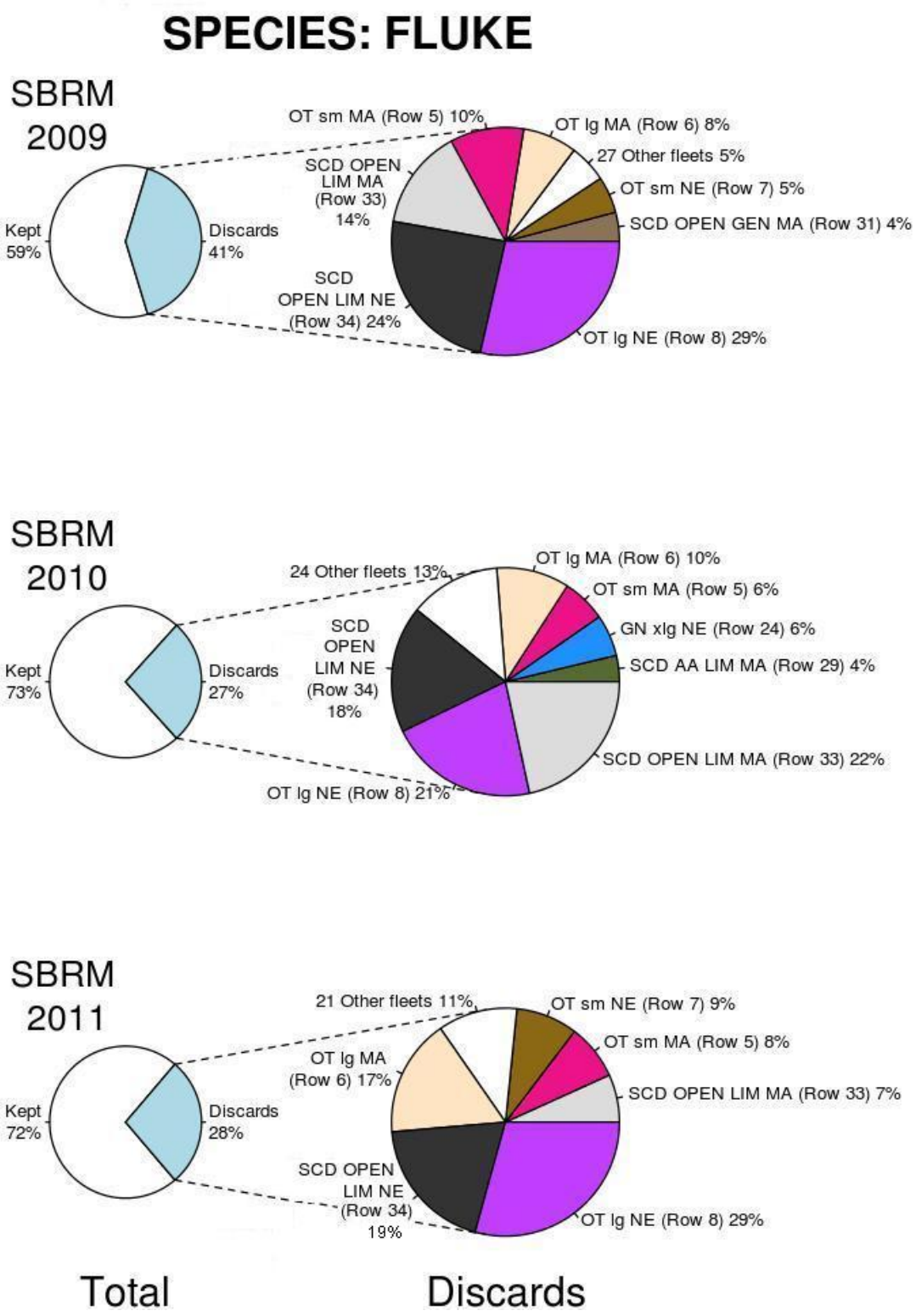


Figure 6B, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by fleet (Discards, right pie) for individual species comprising the 14 SBRM species groups for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 14 for fleet abbreviations.



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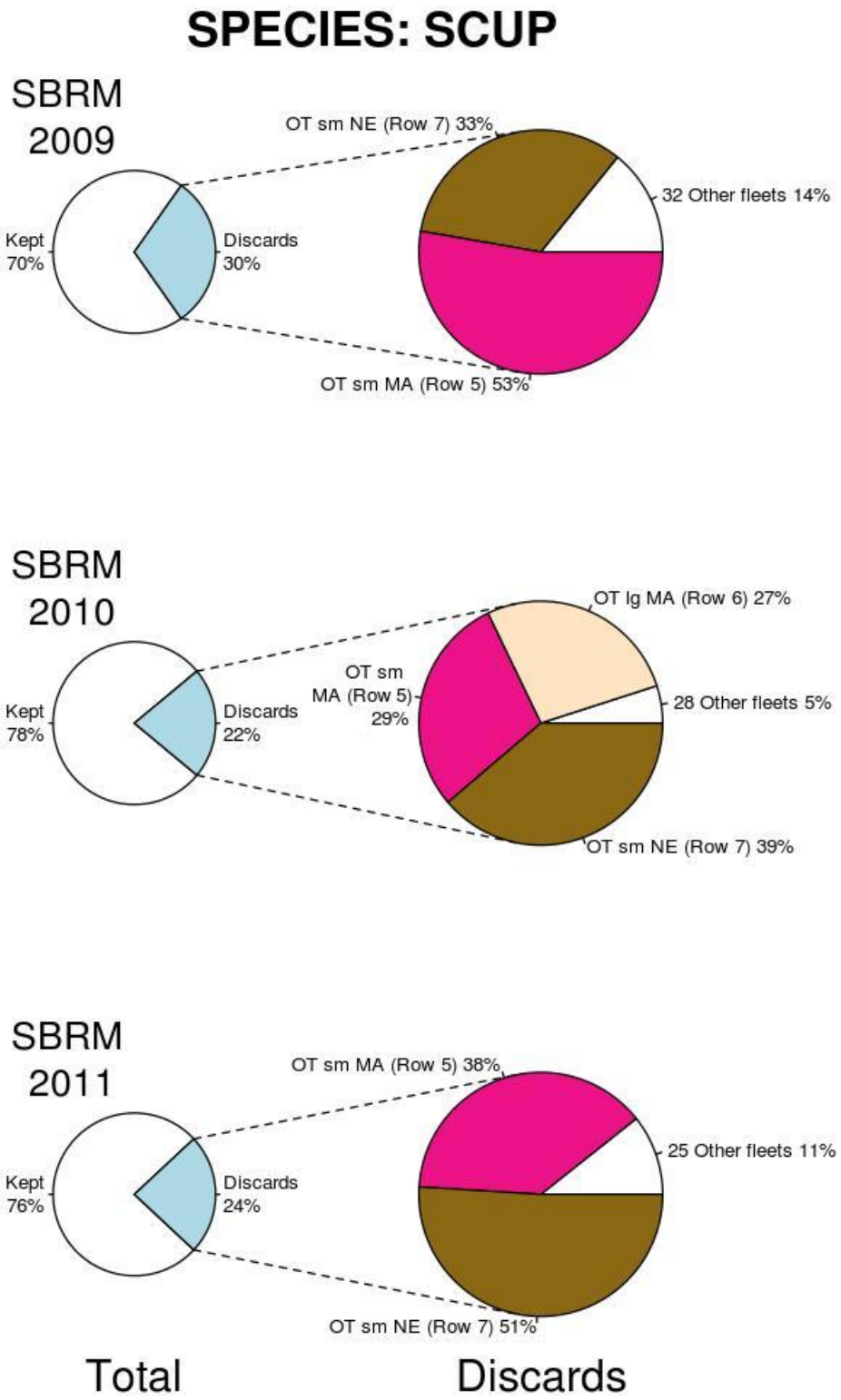

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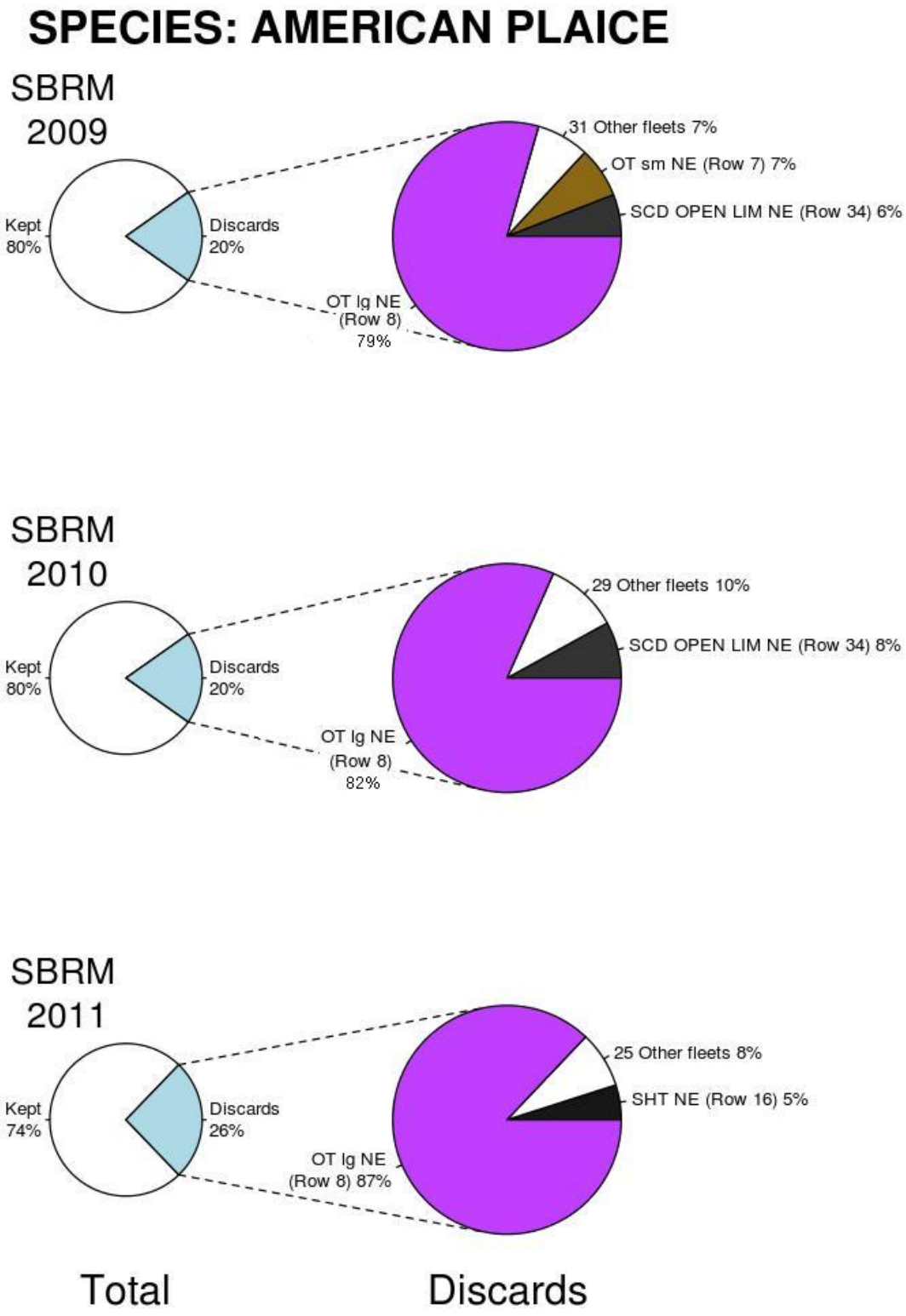

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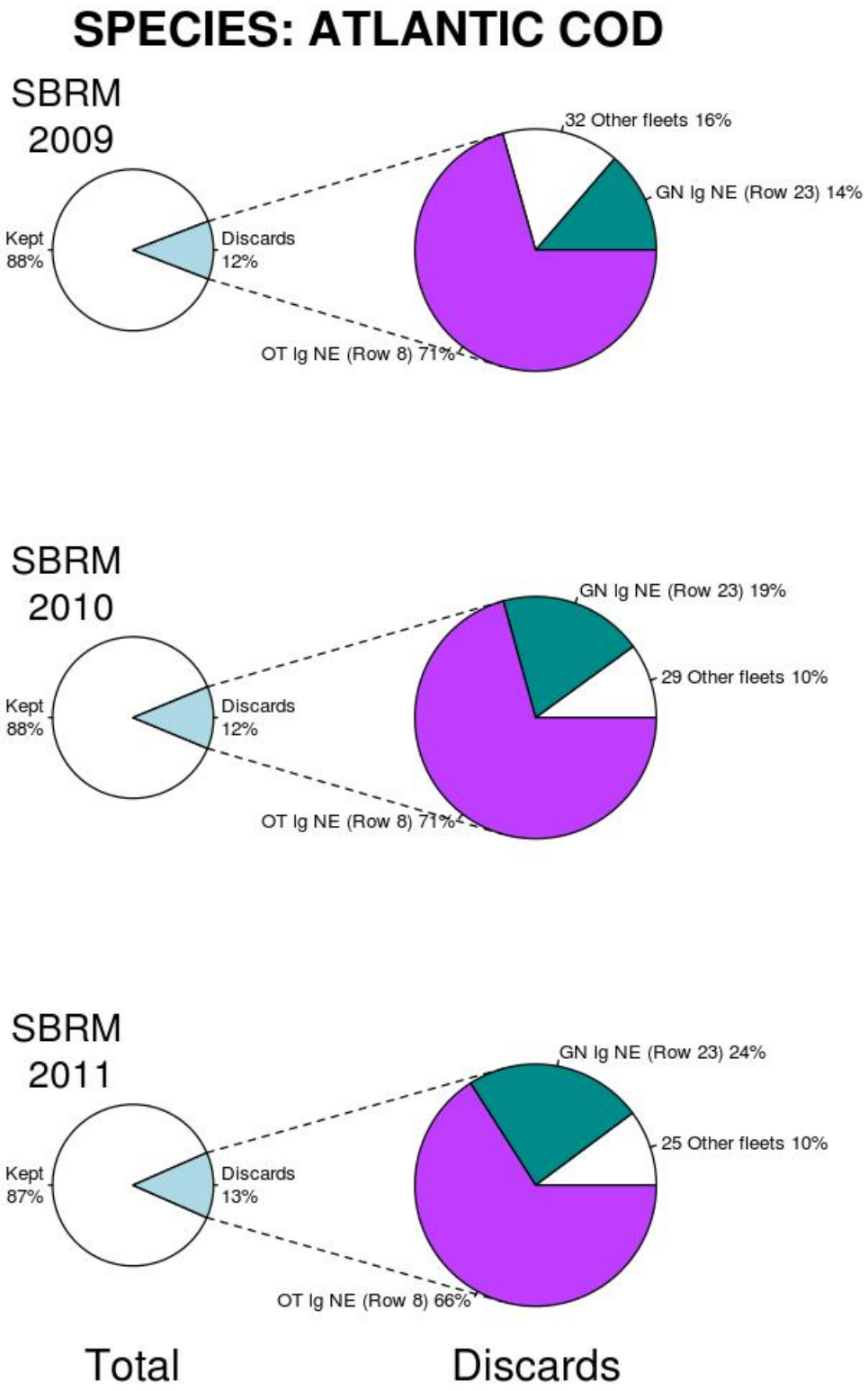

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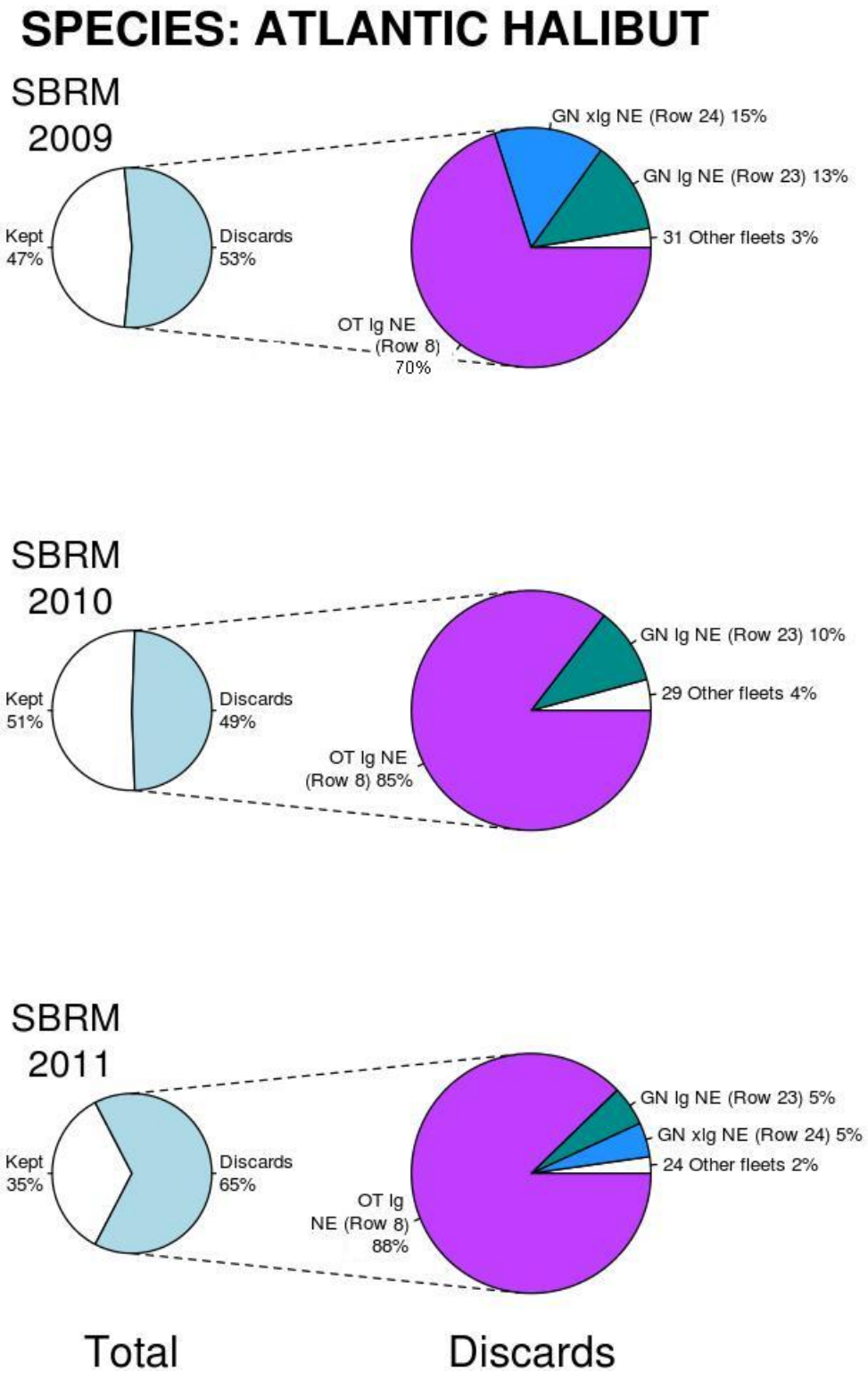

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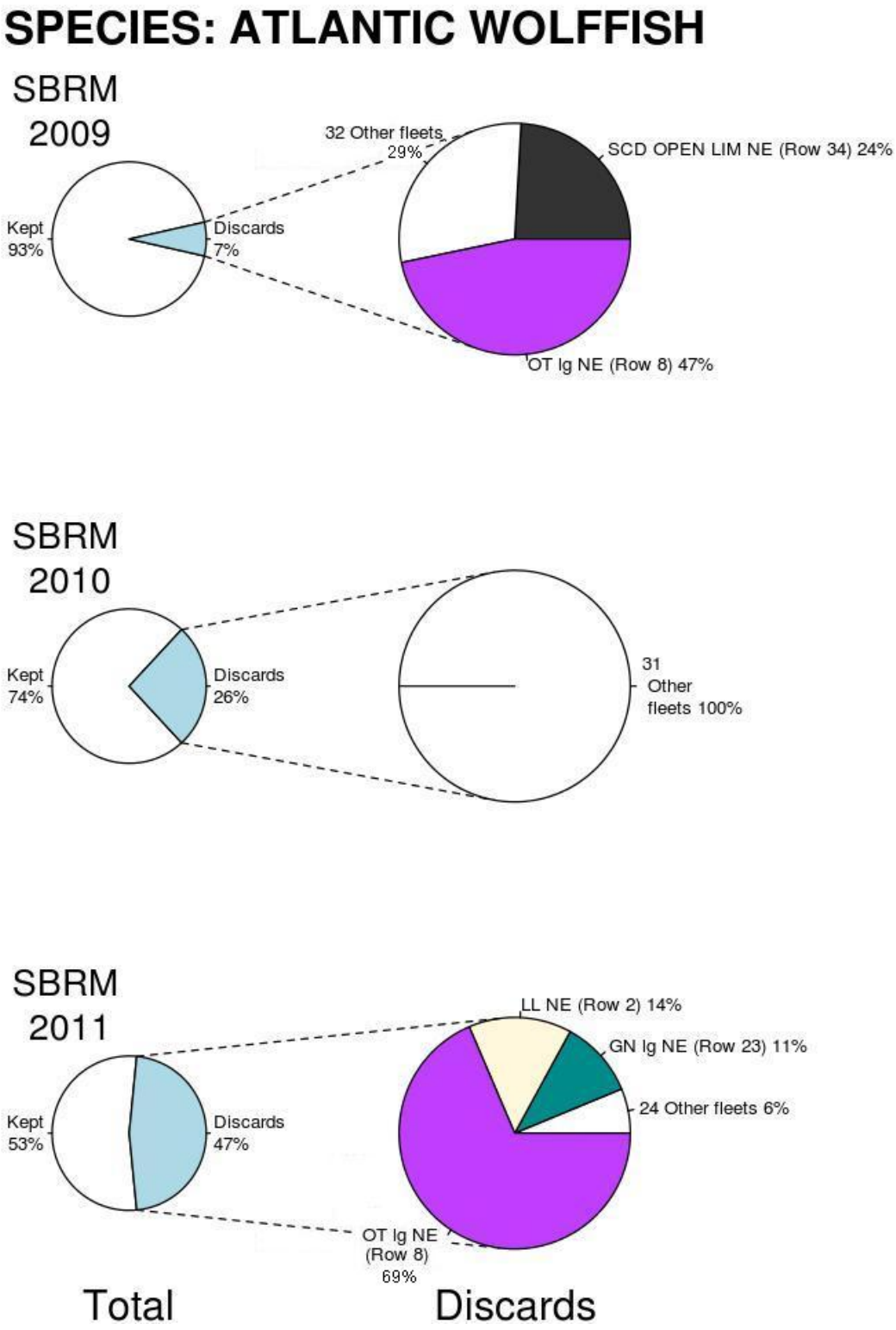

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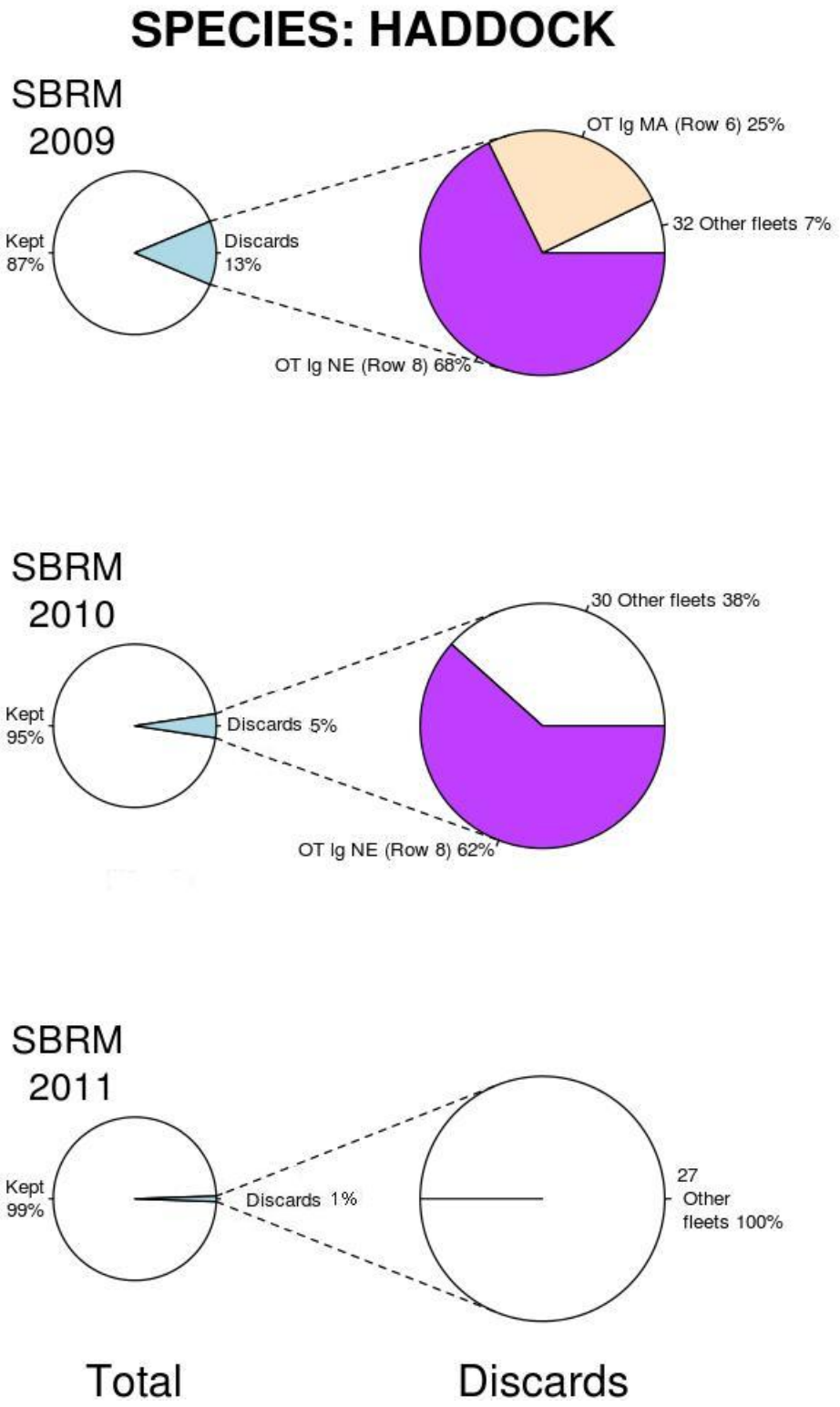

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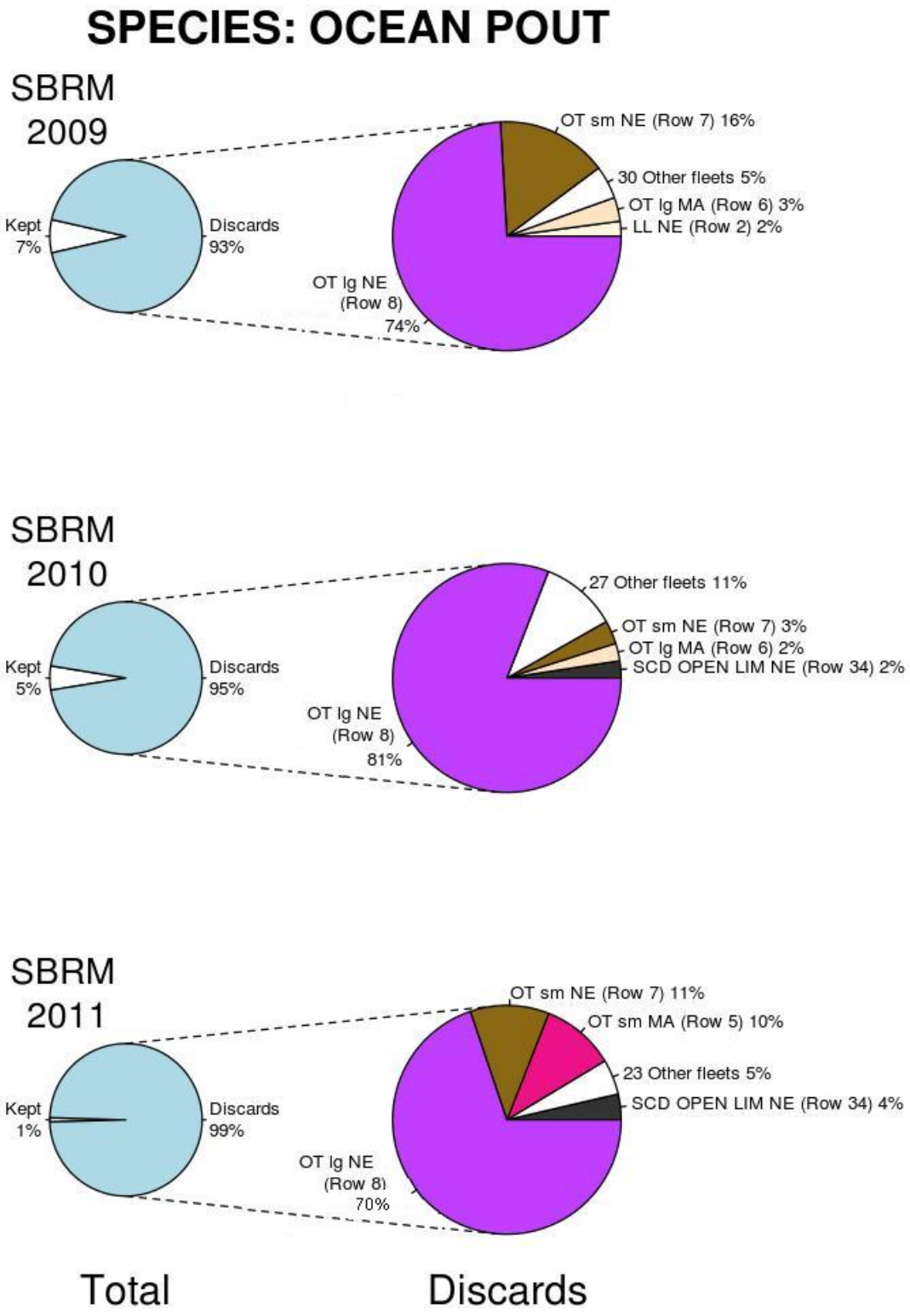

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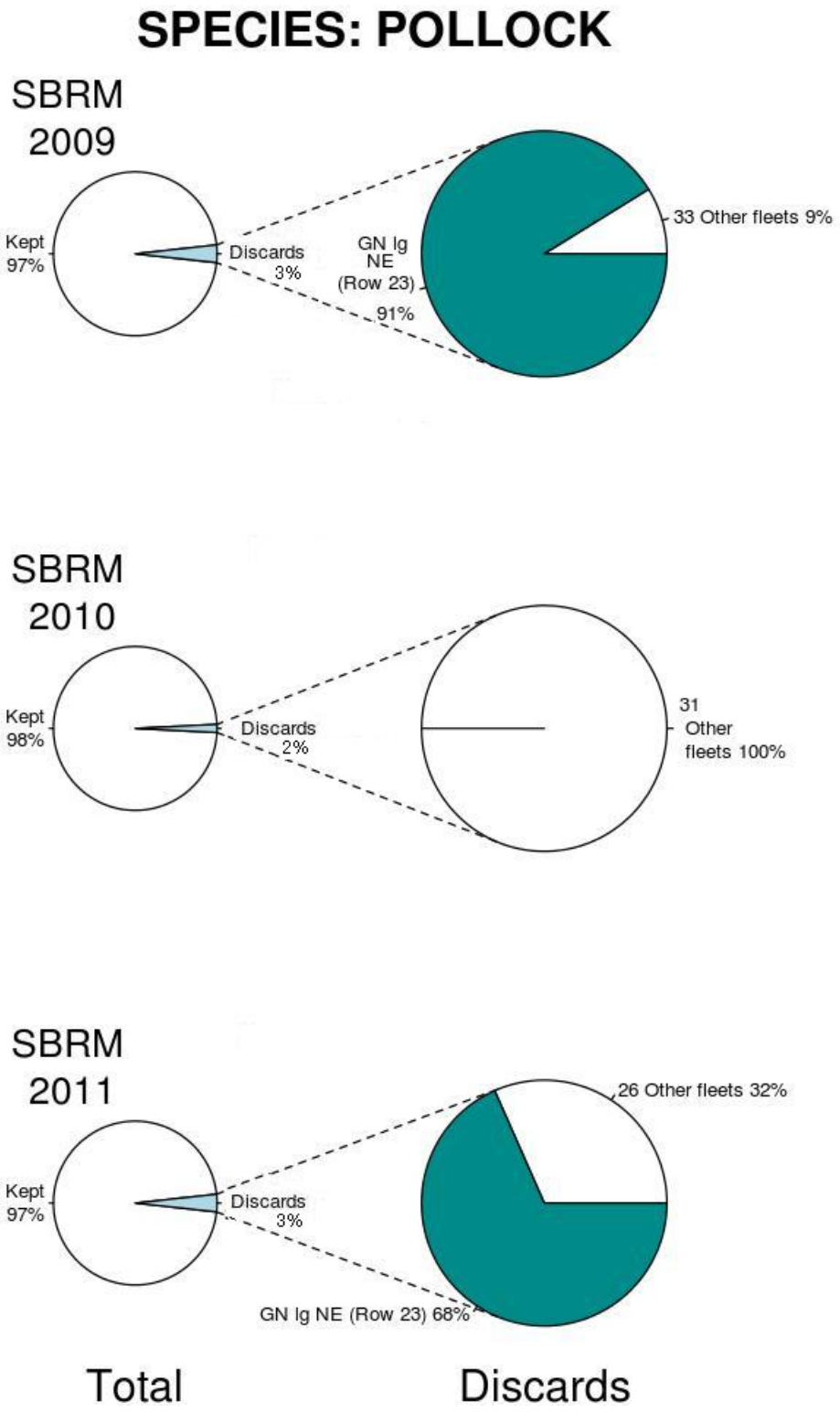

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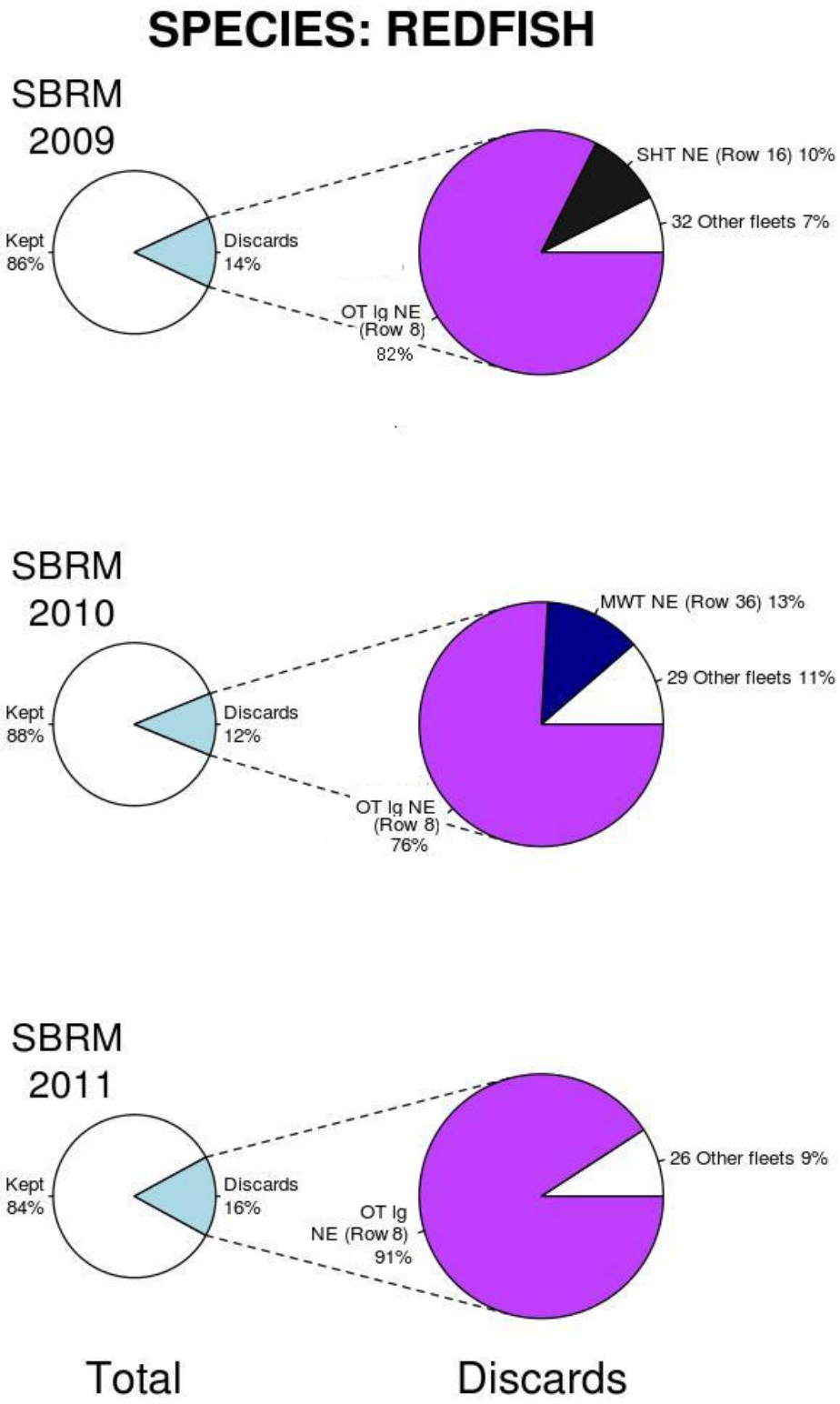

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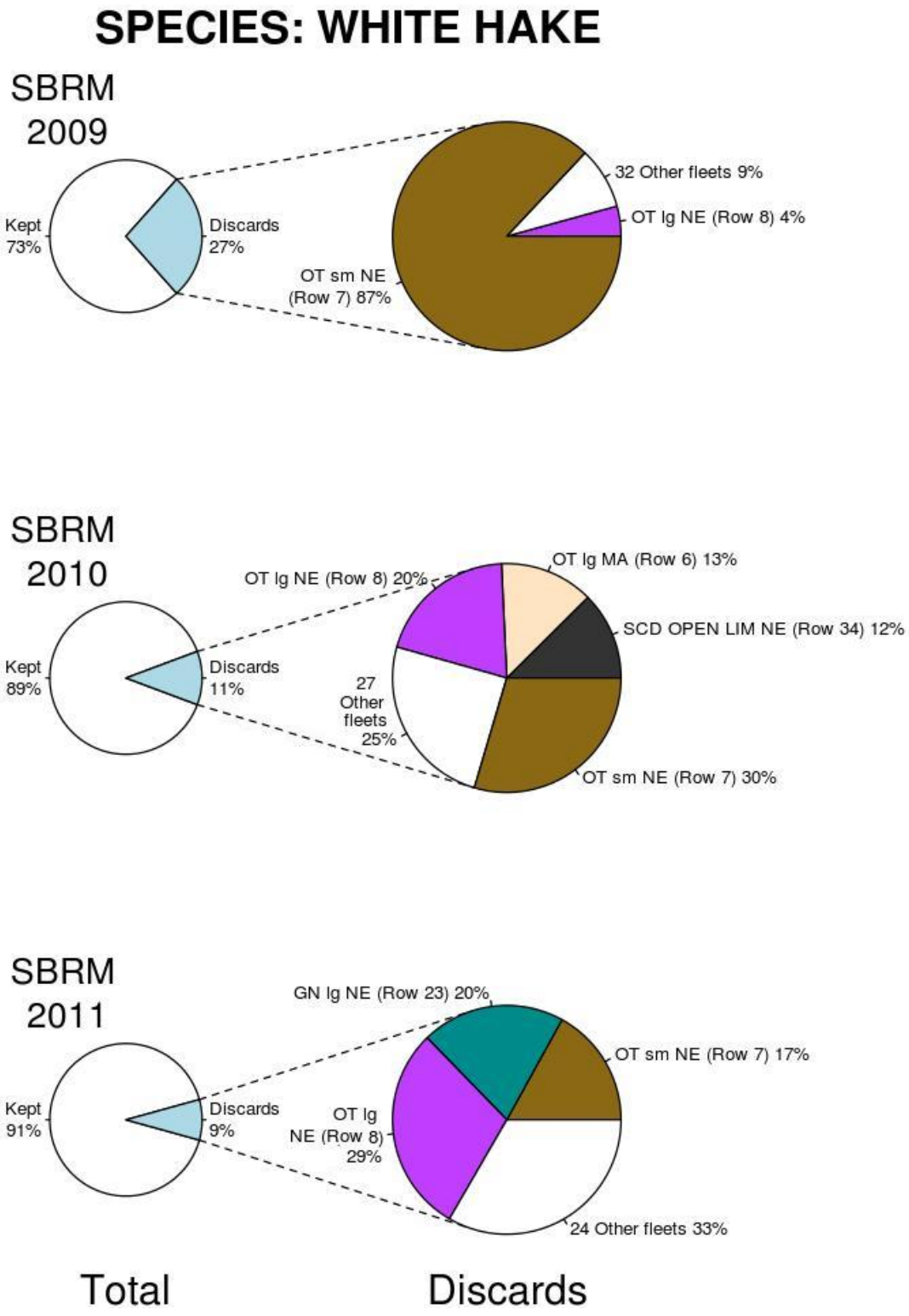

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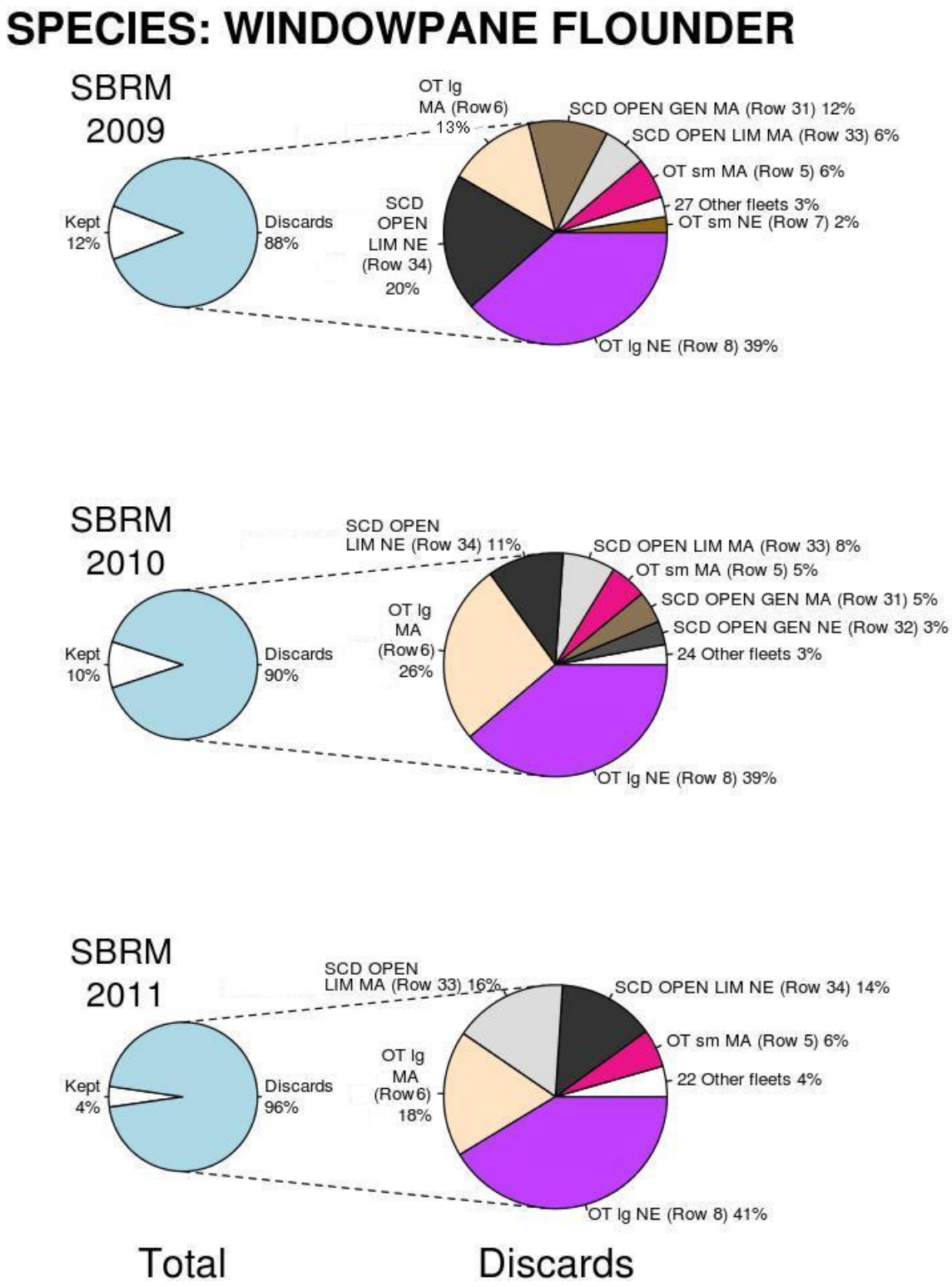

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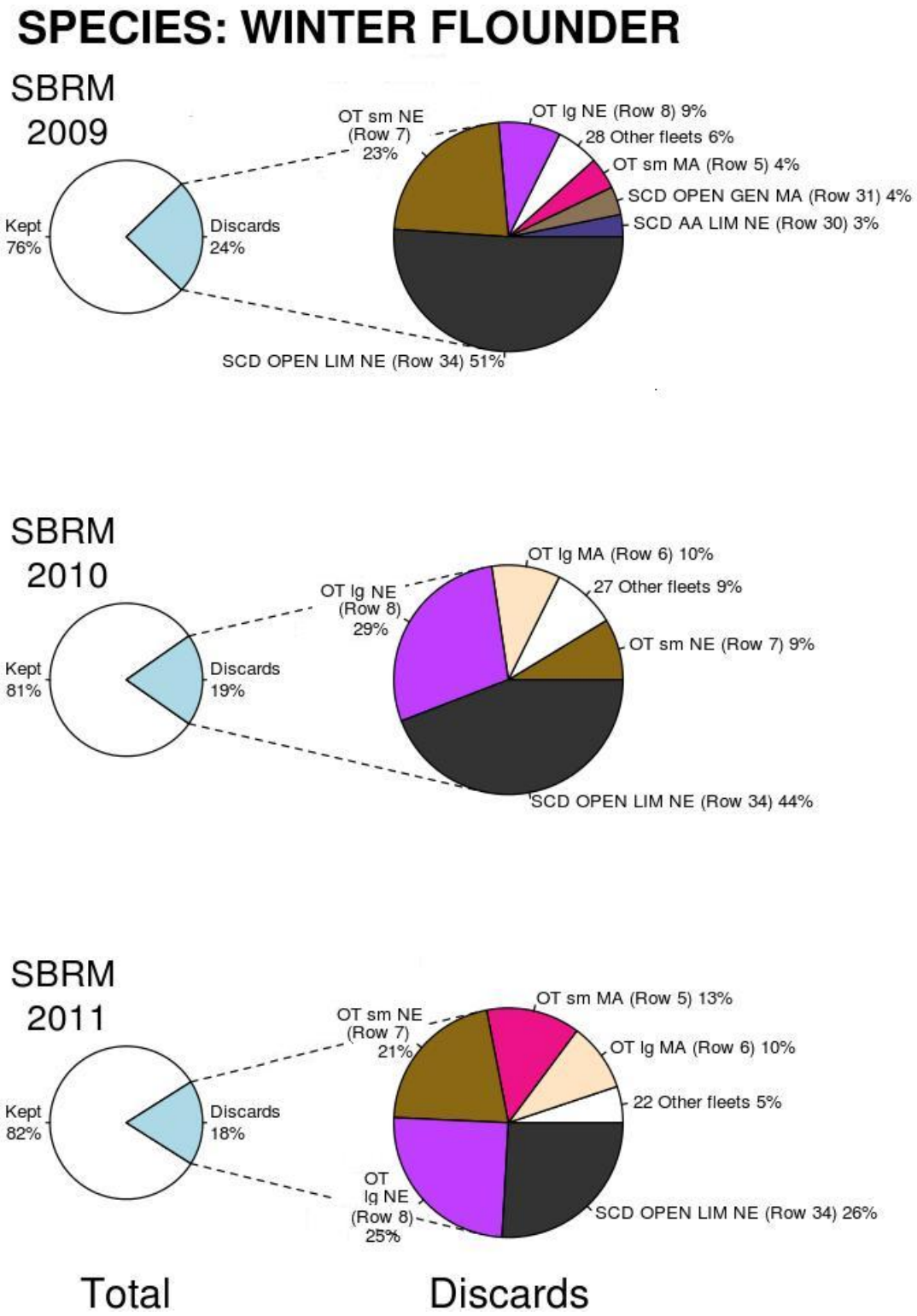

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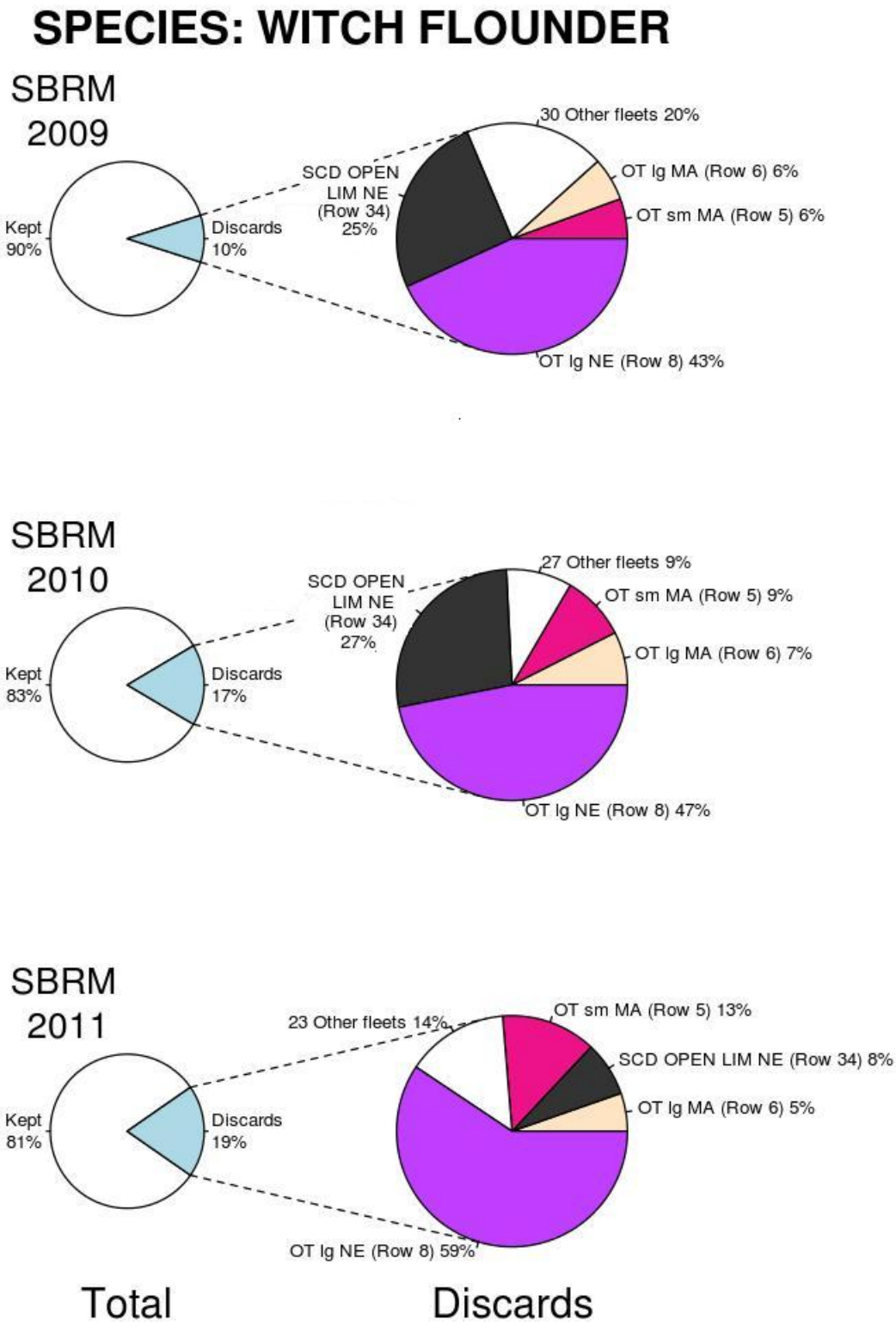

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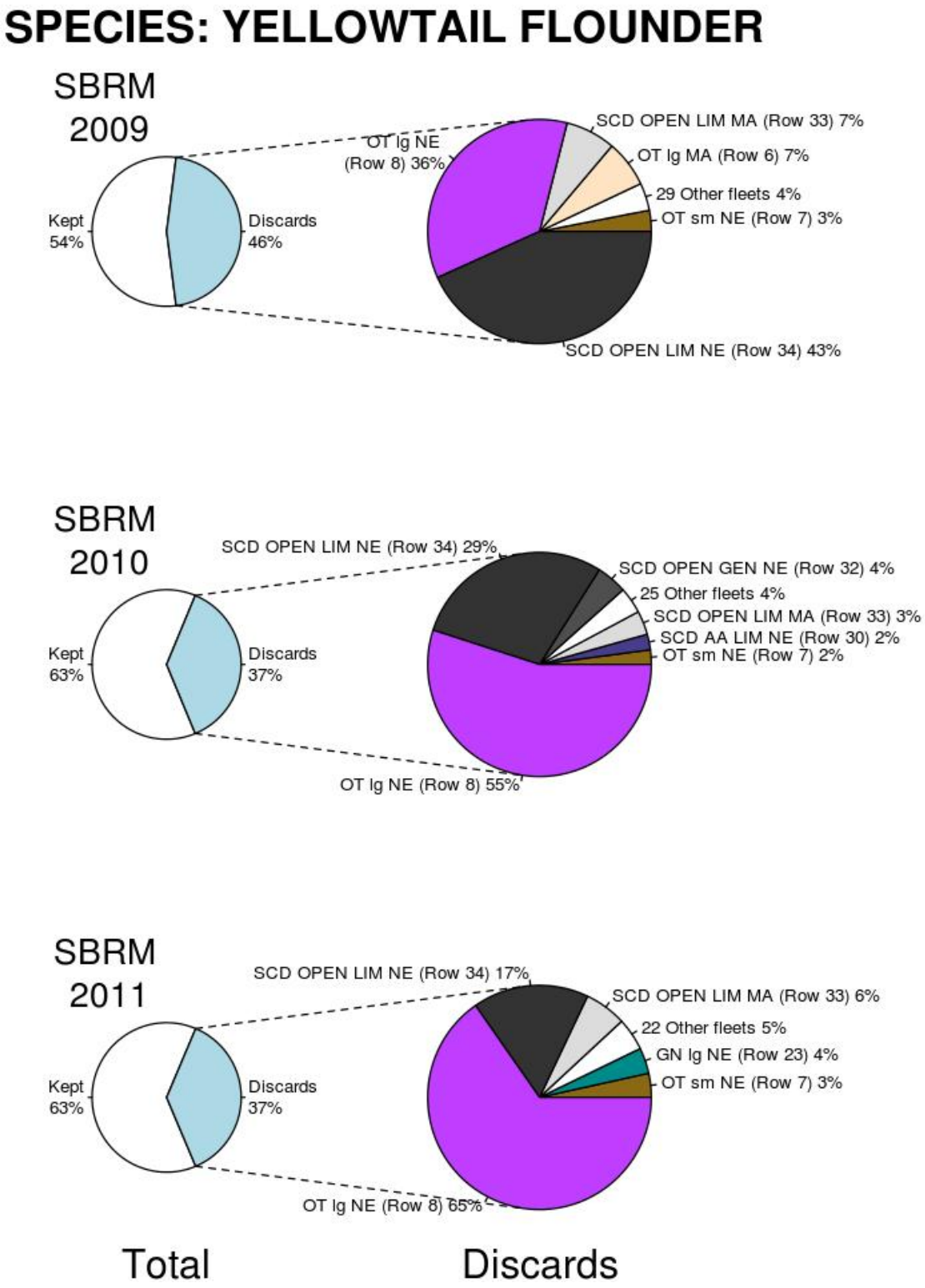

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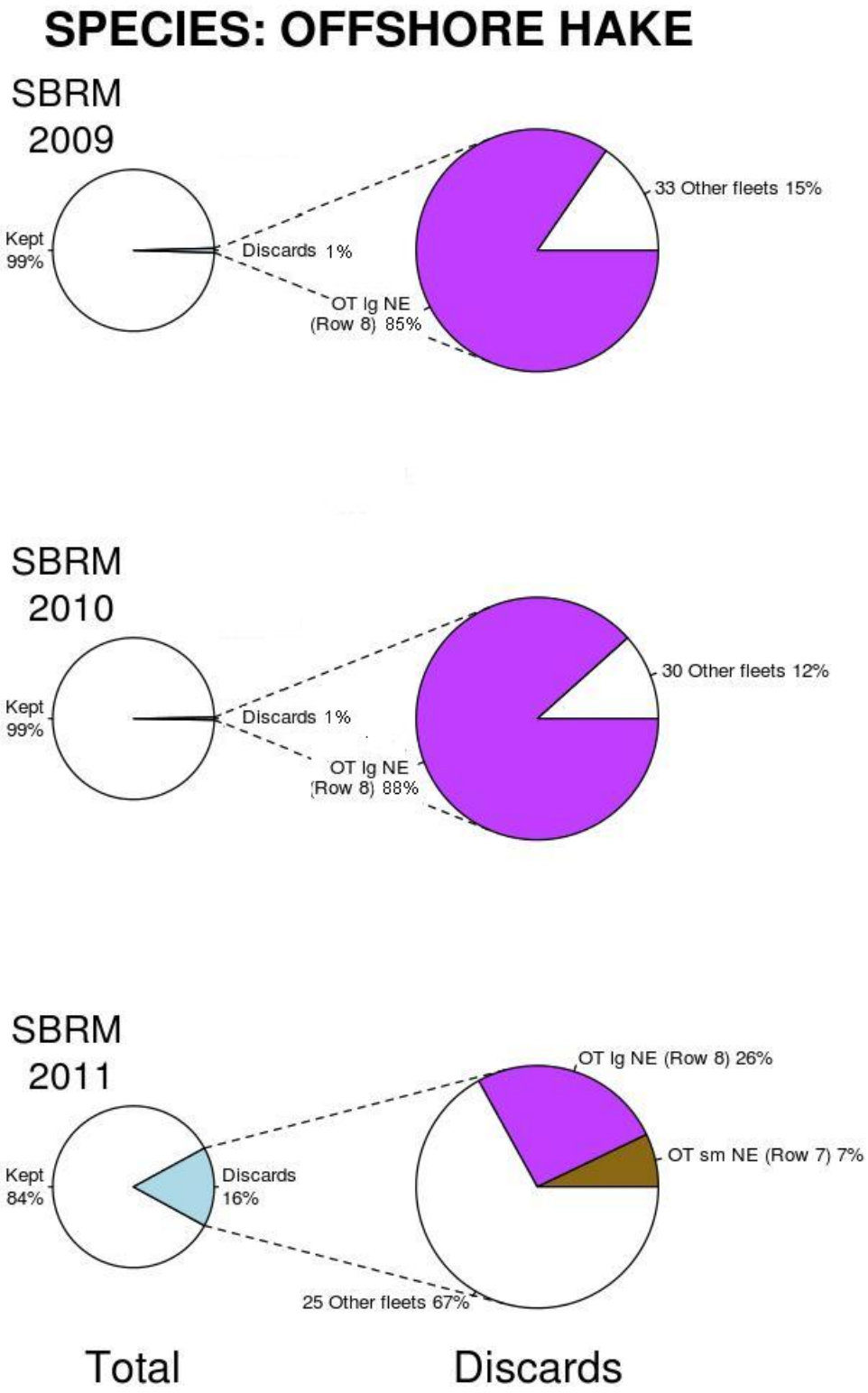

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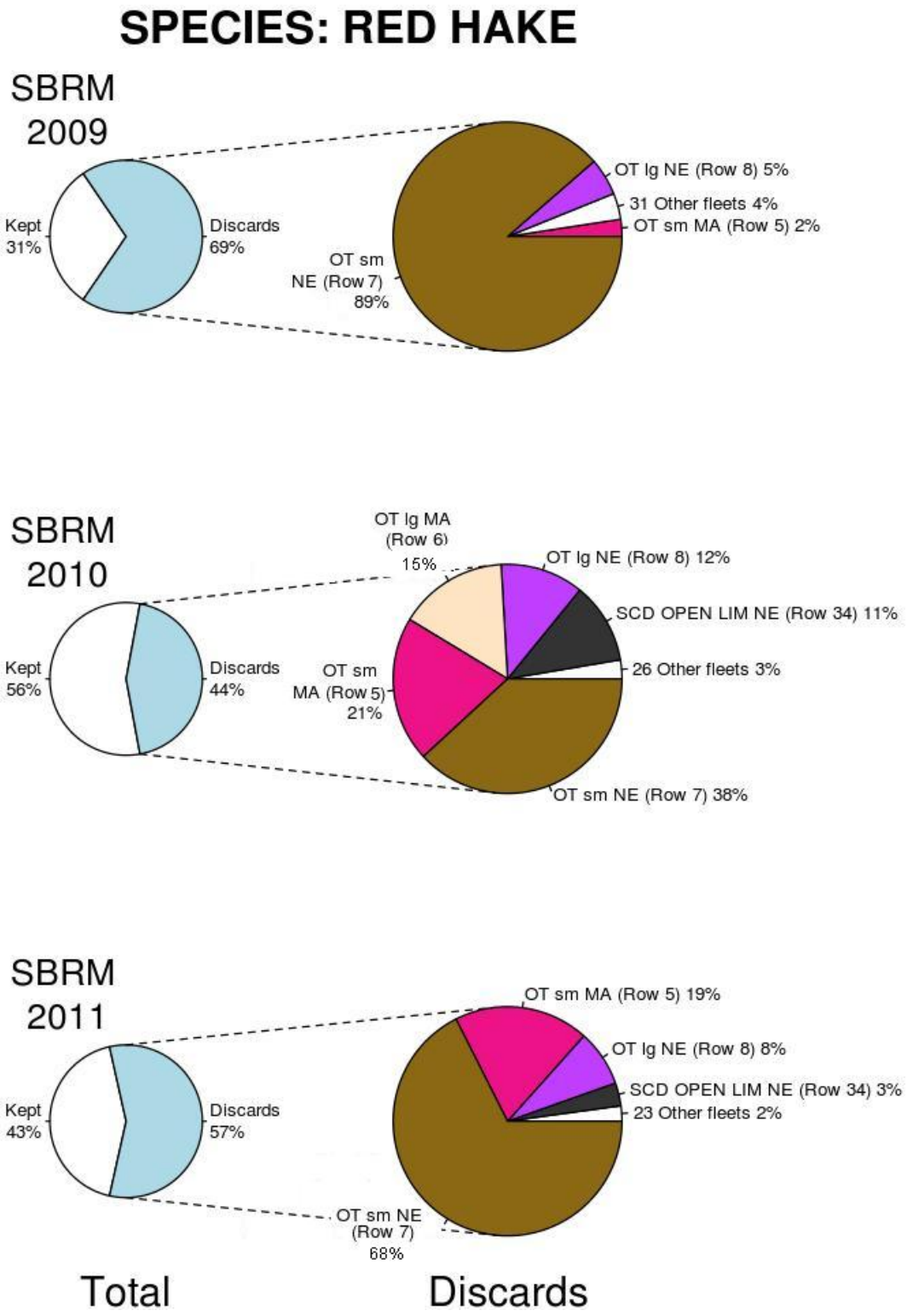

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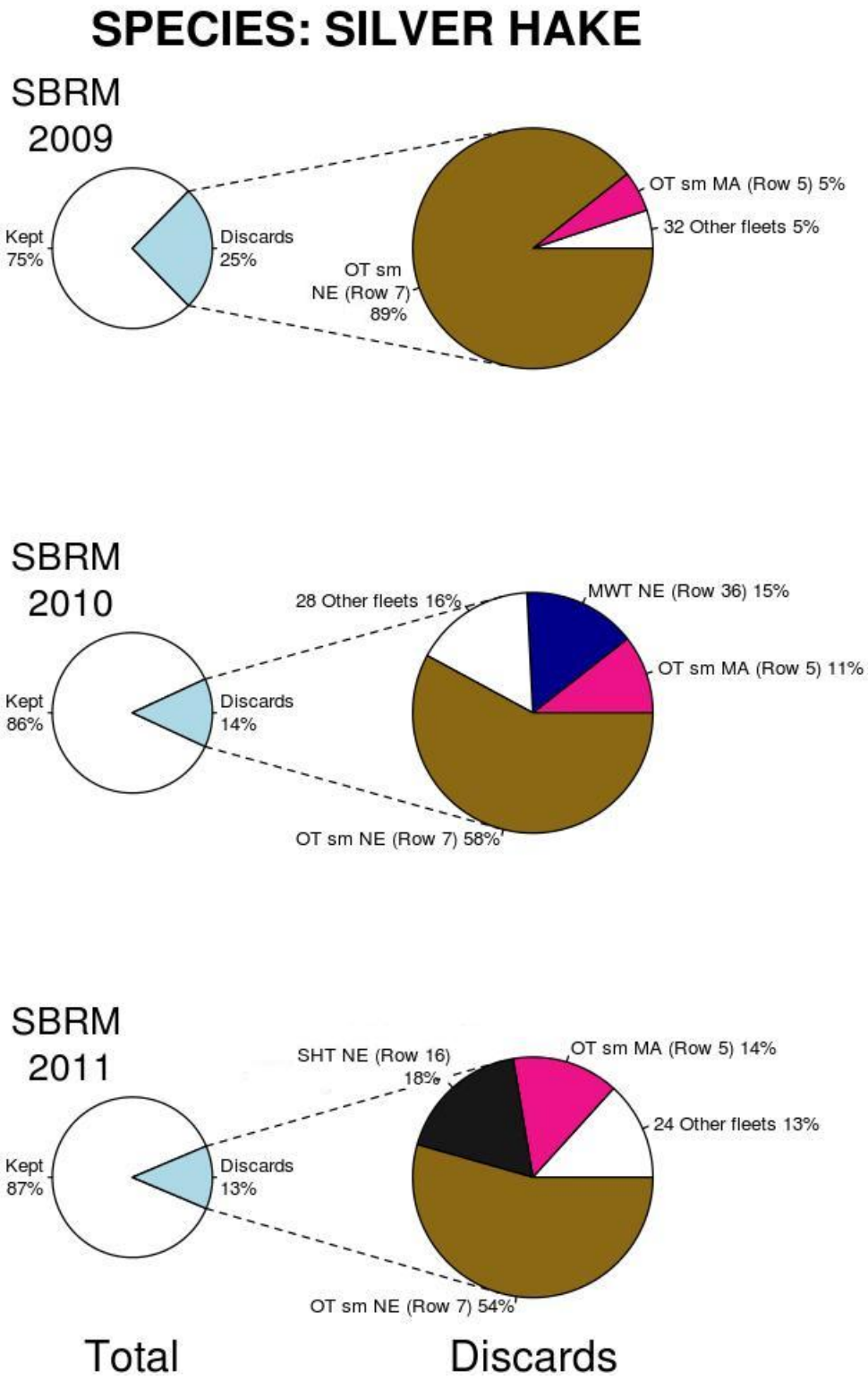

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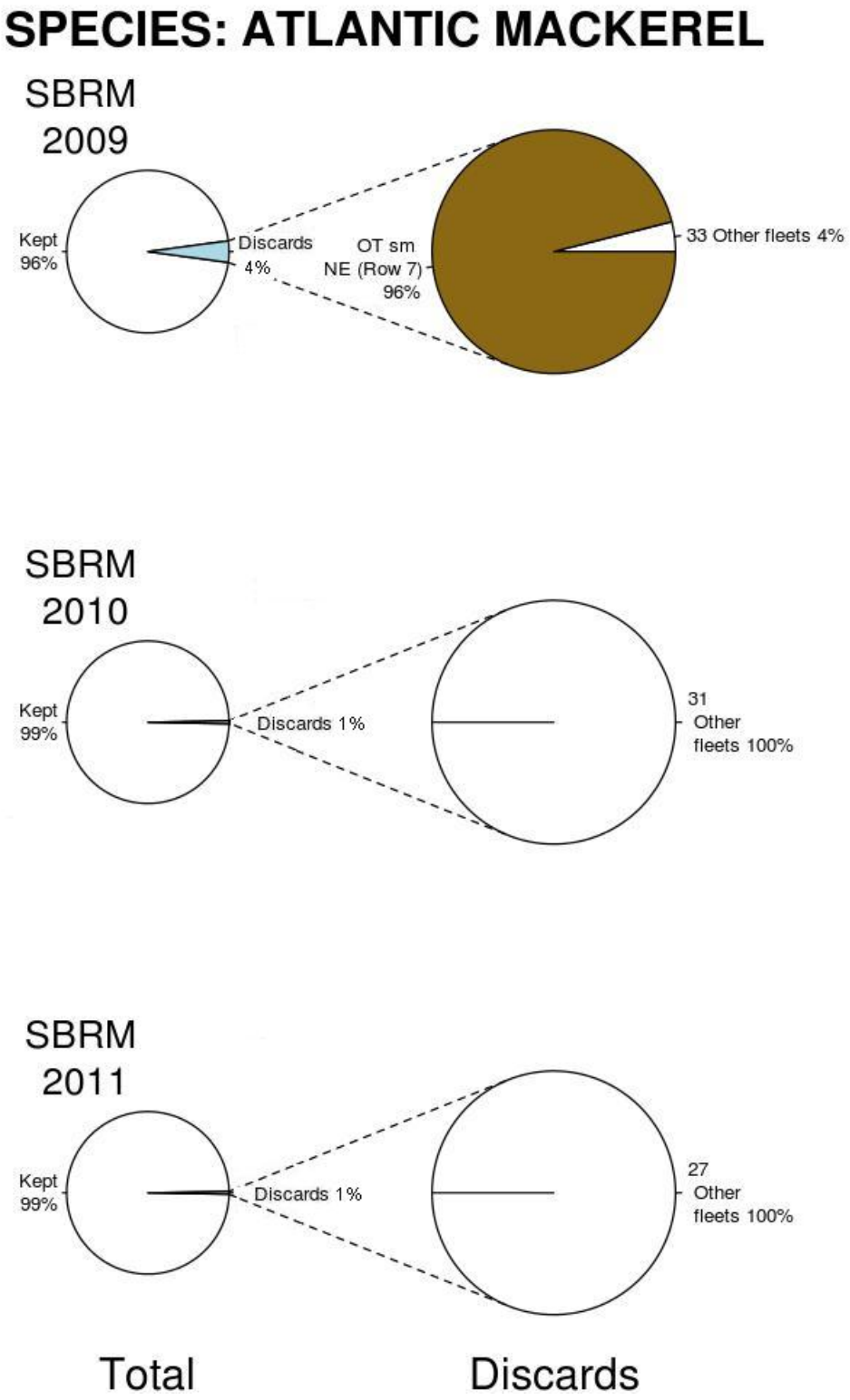

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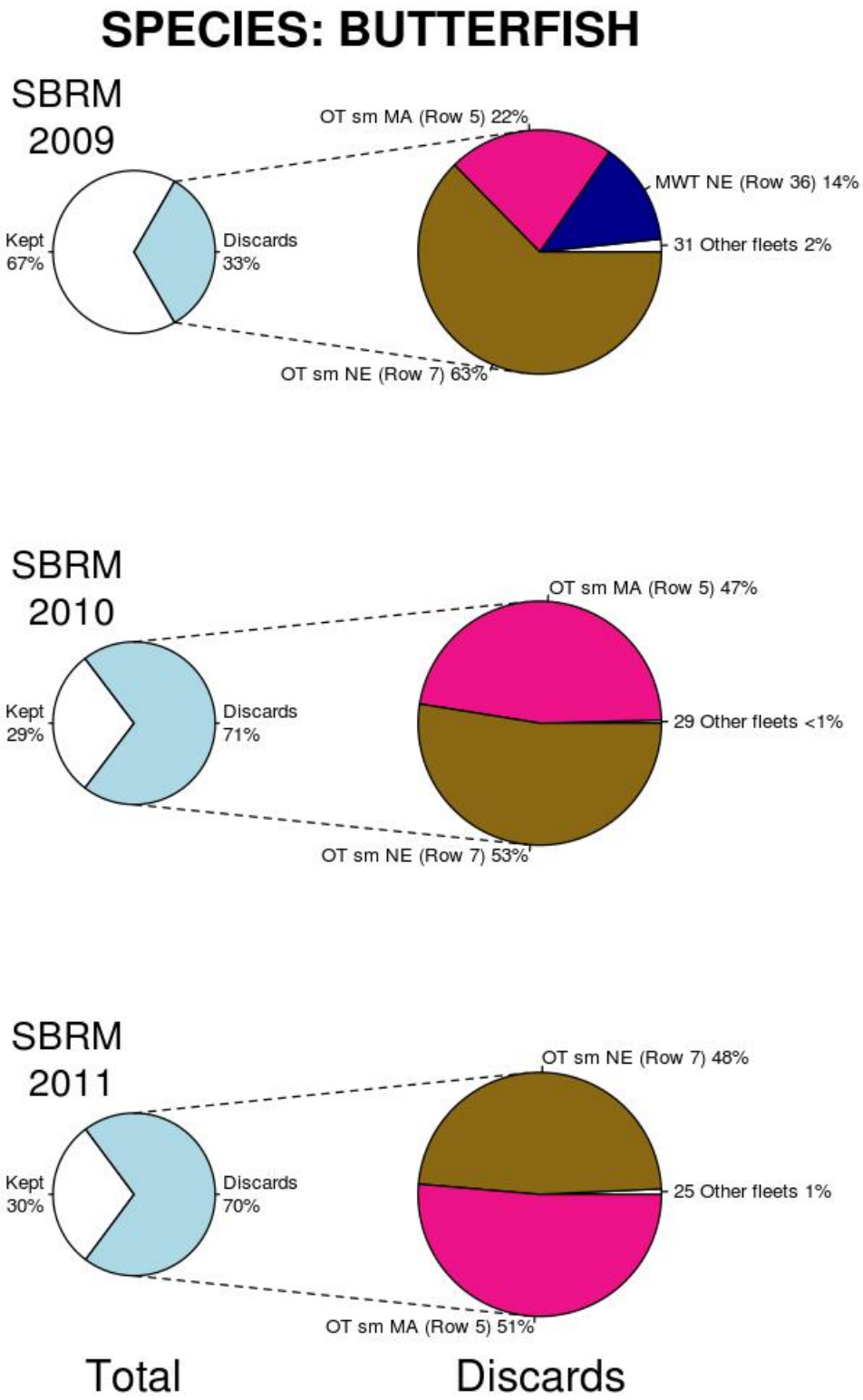

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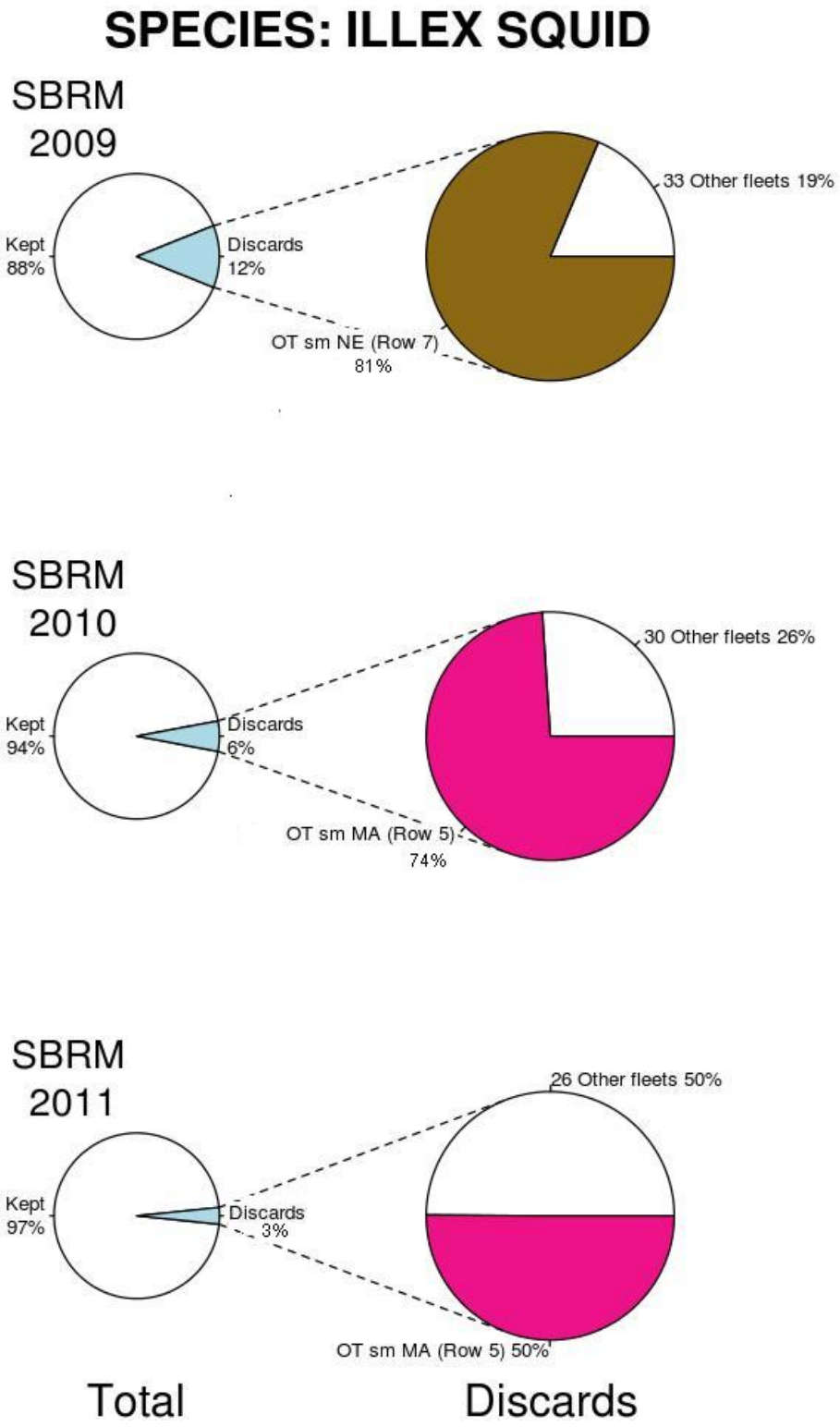

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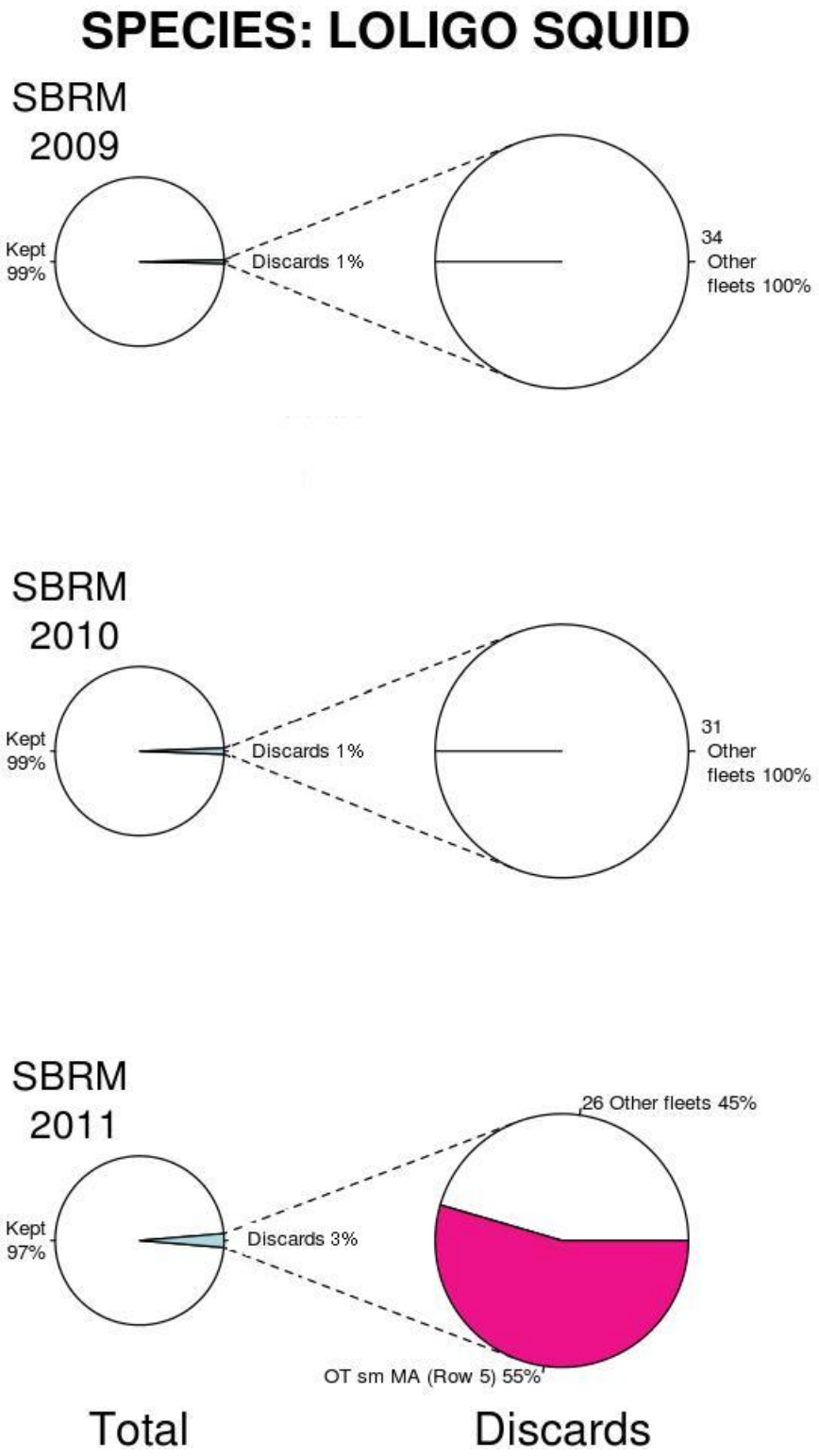

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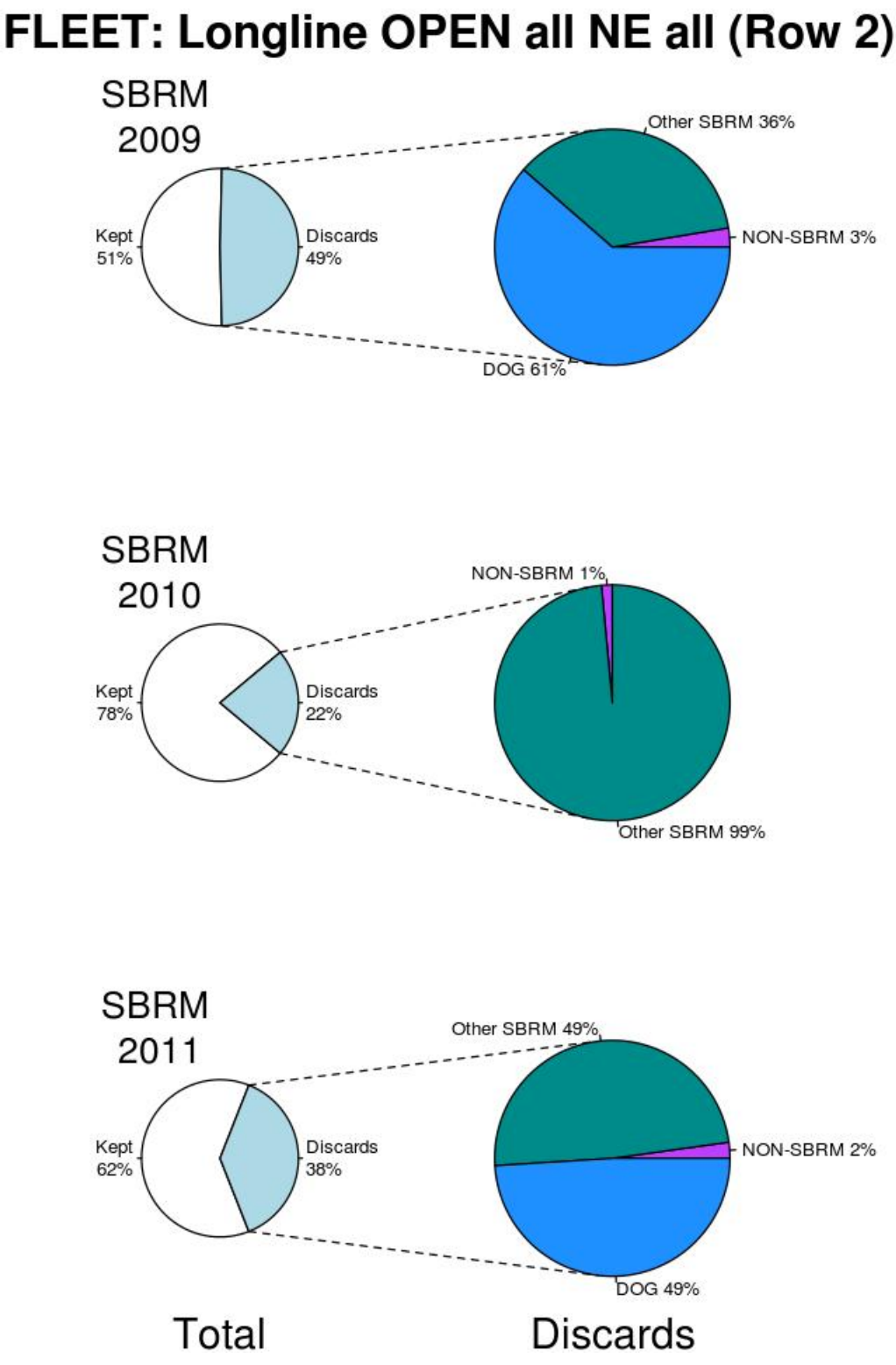

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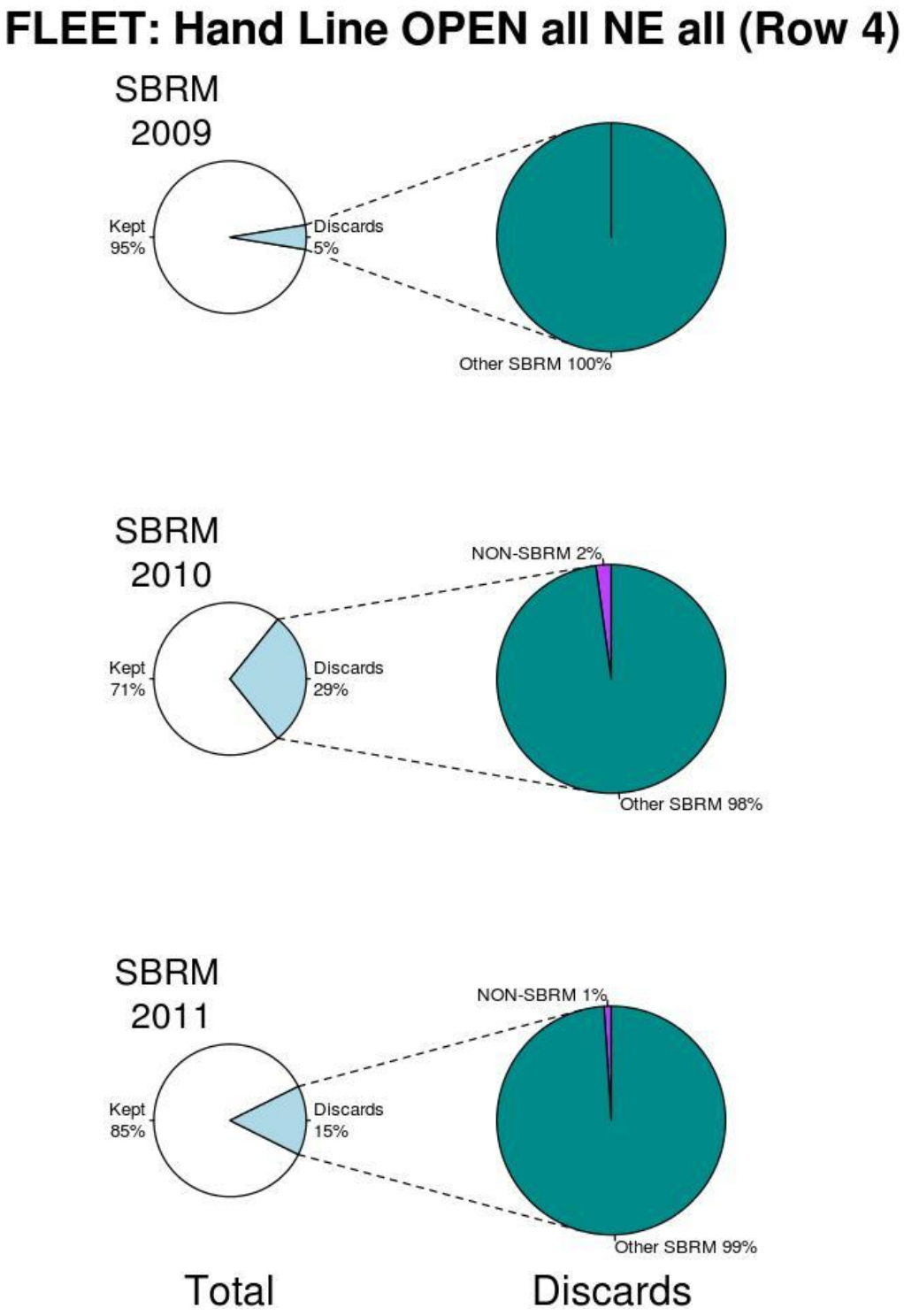

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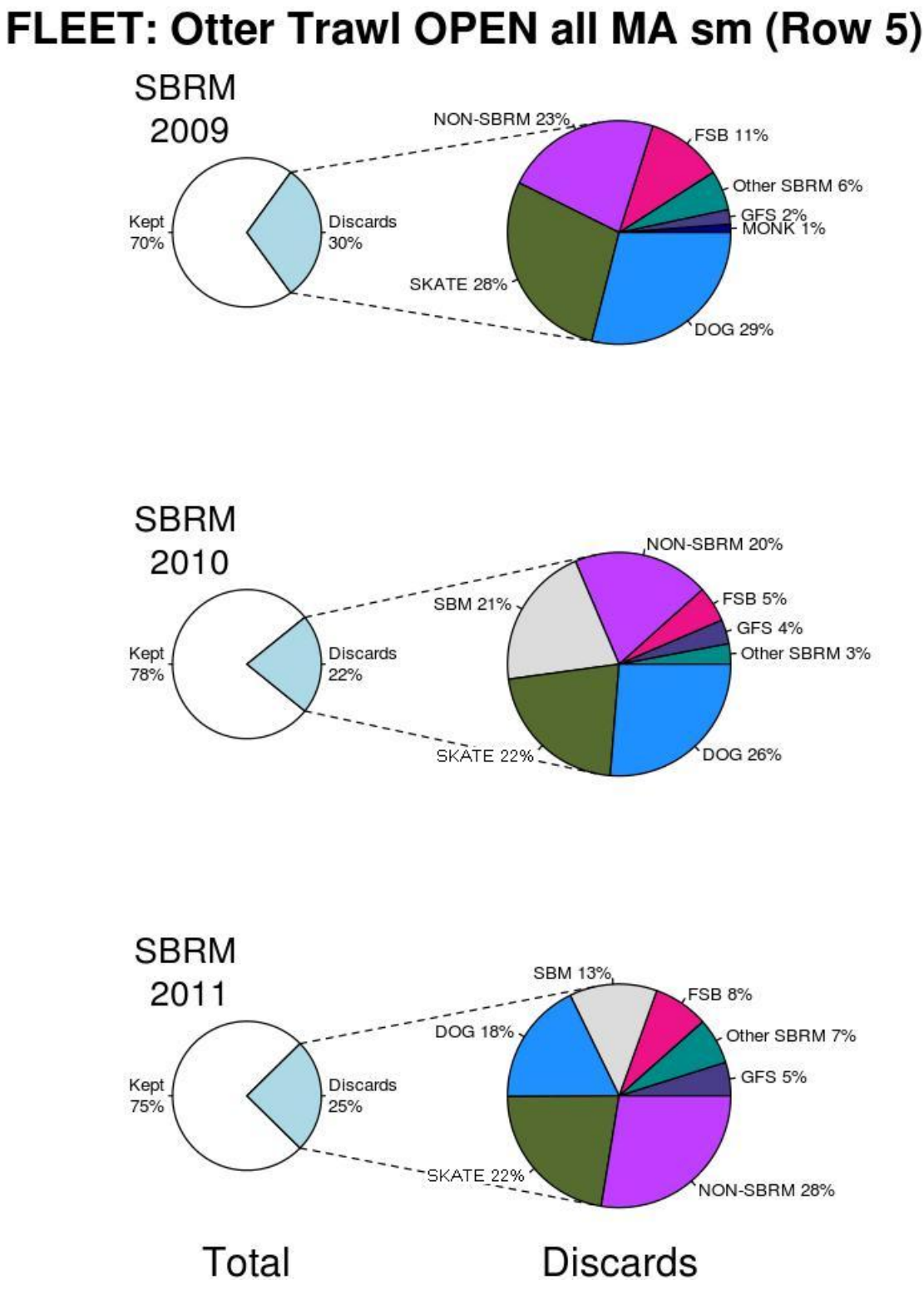

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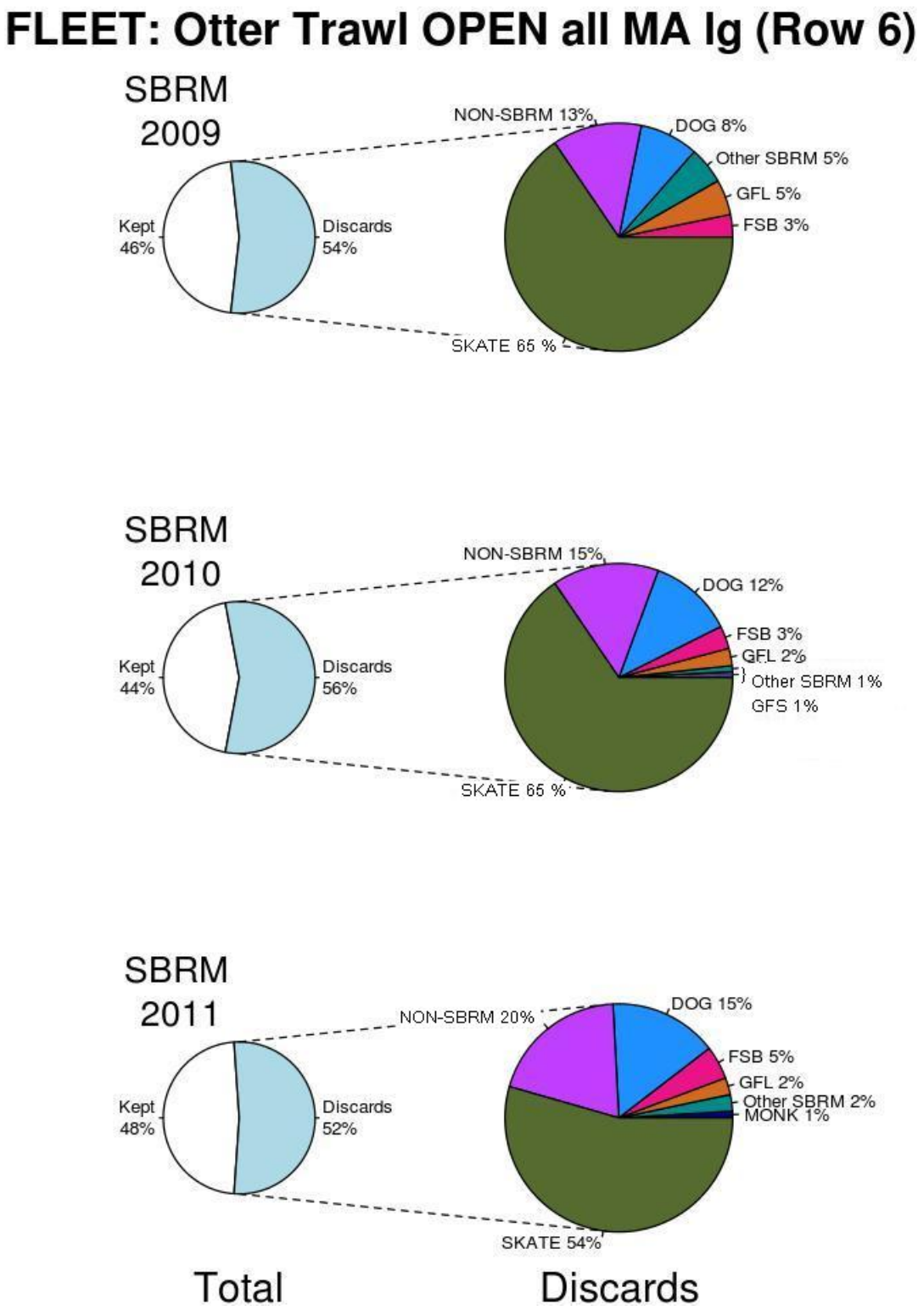

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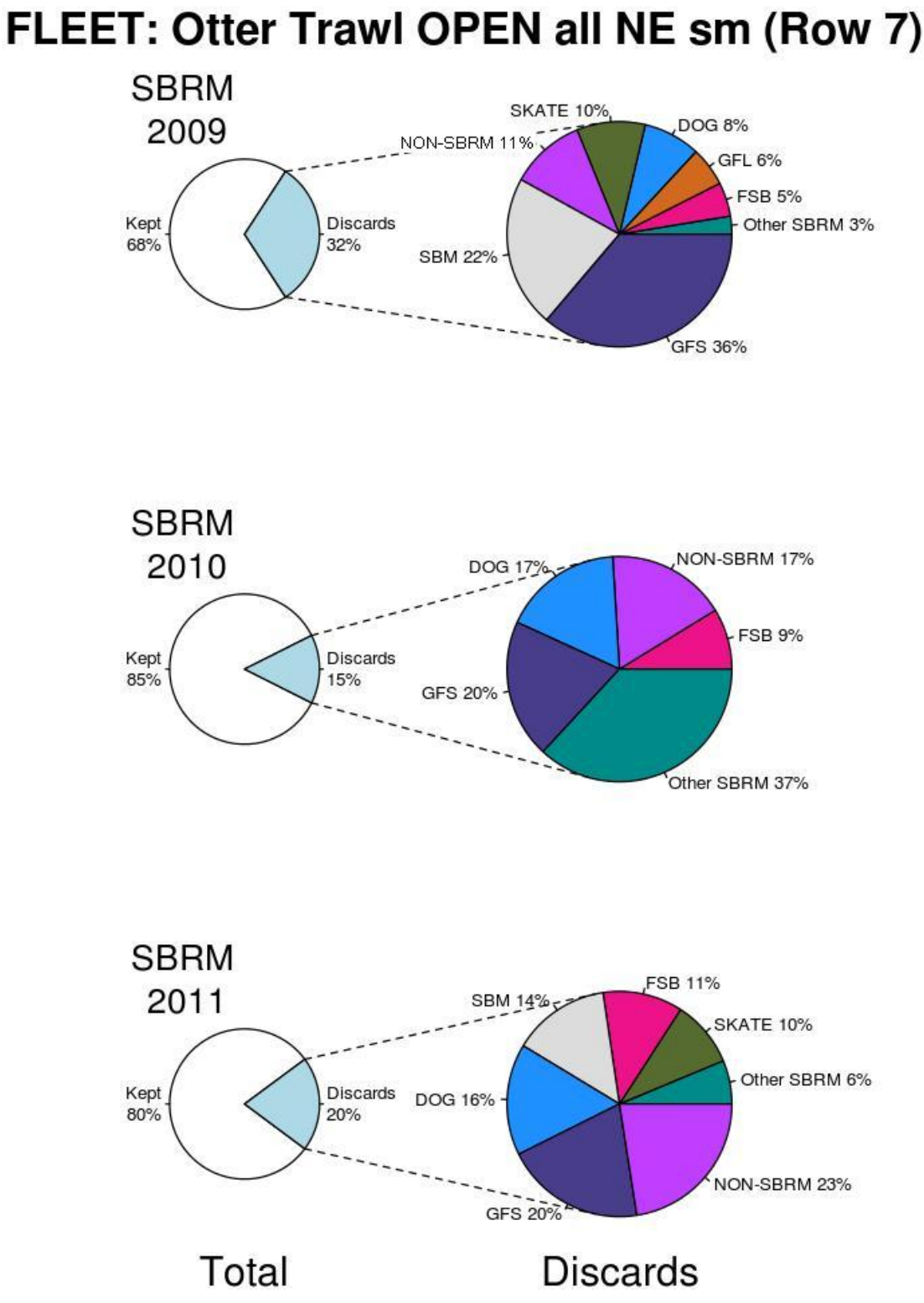

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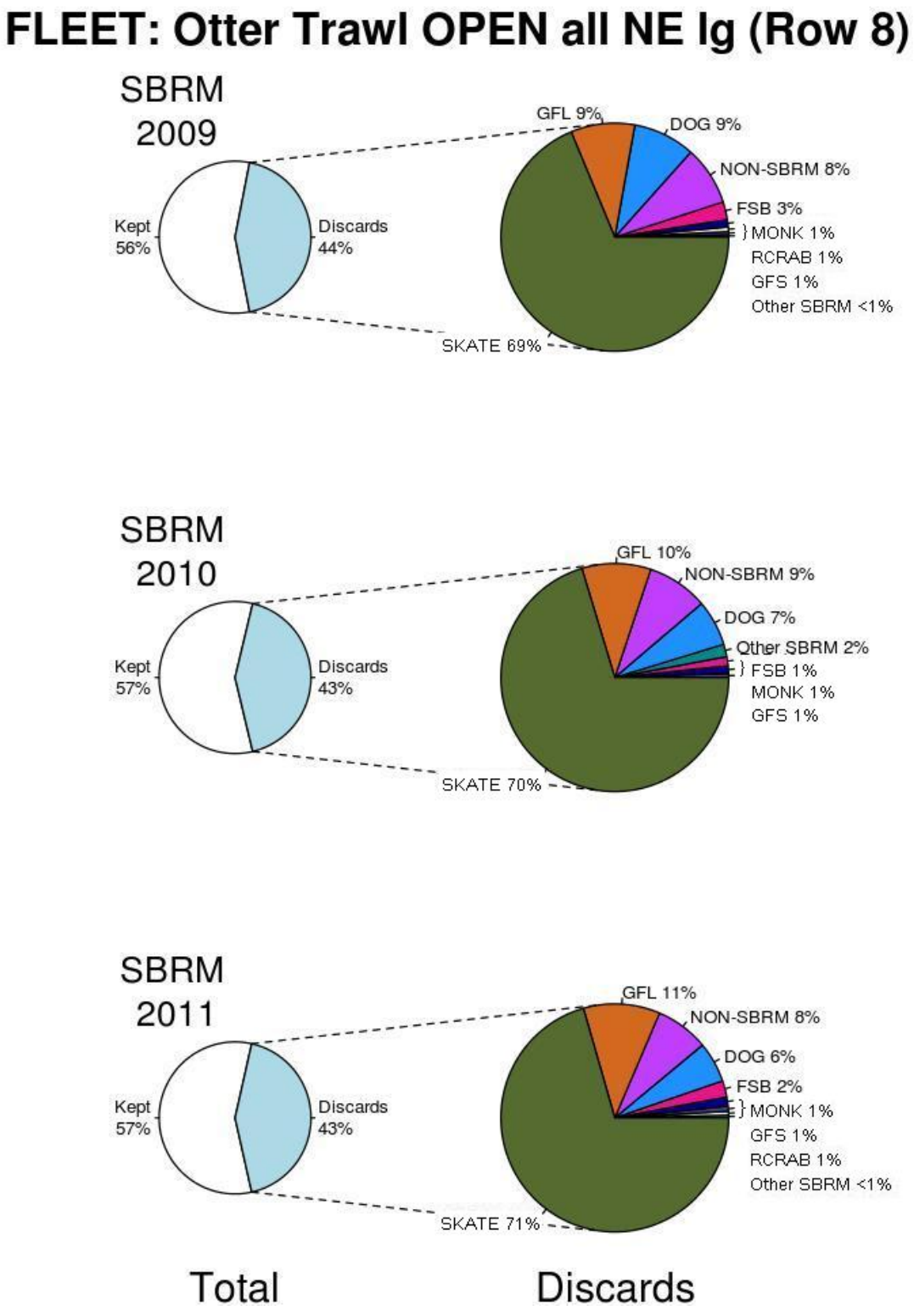

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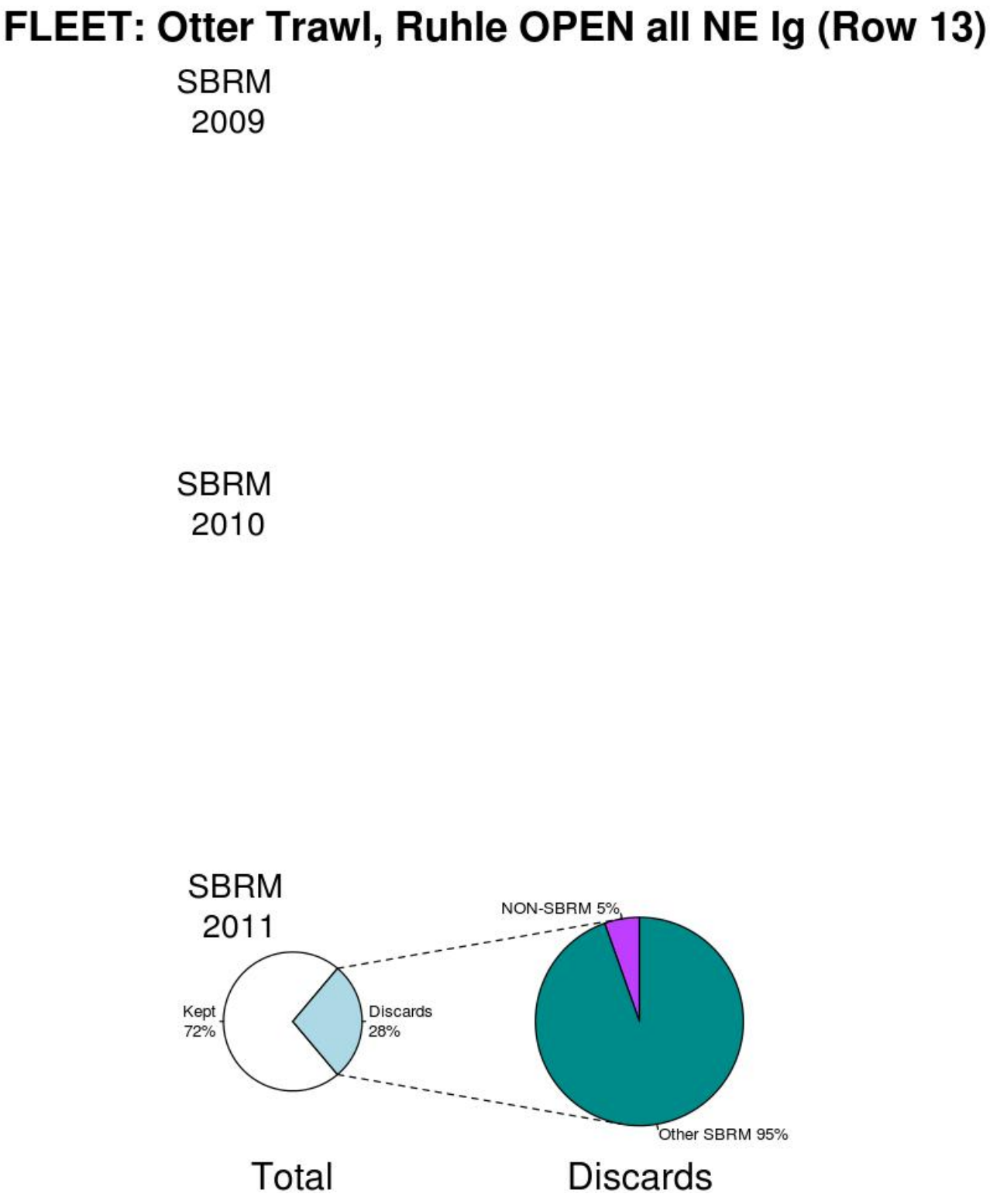

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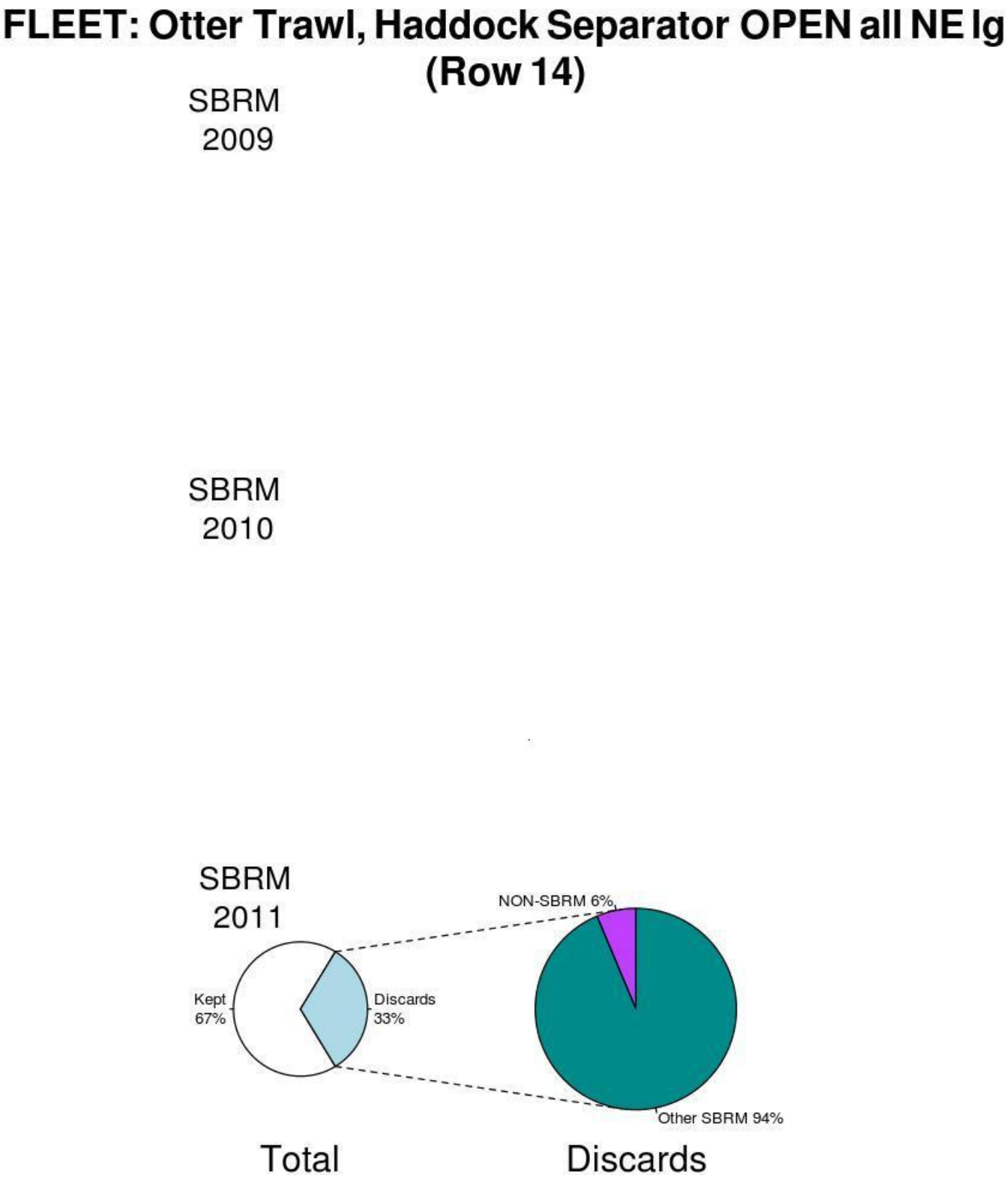

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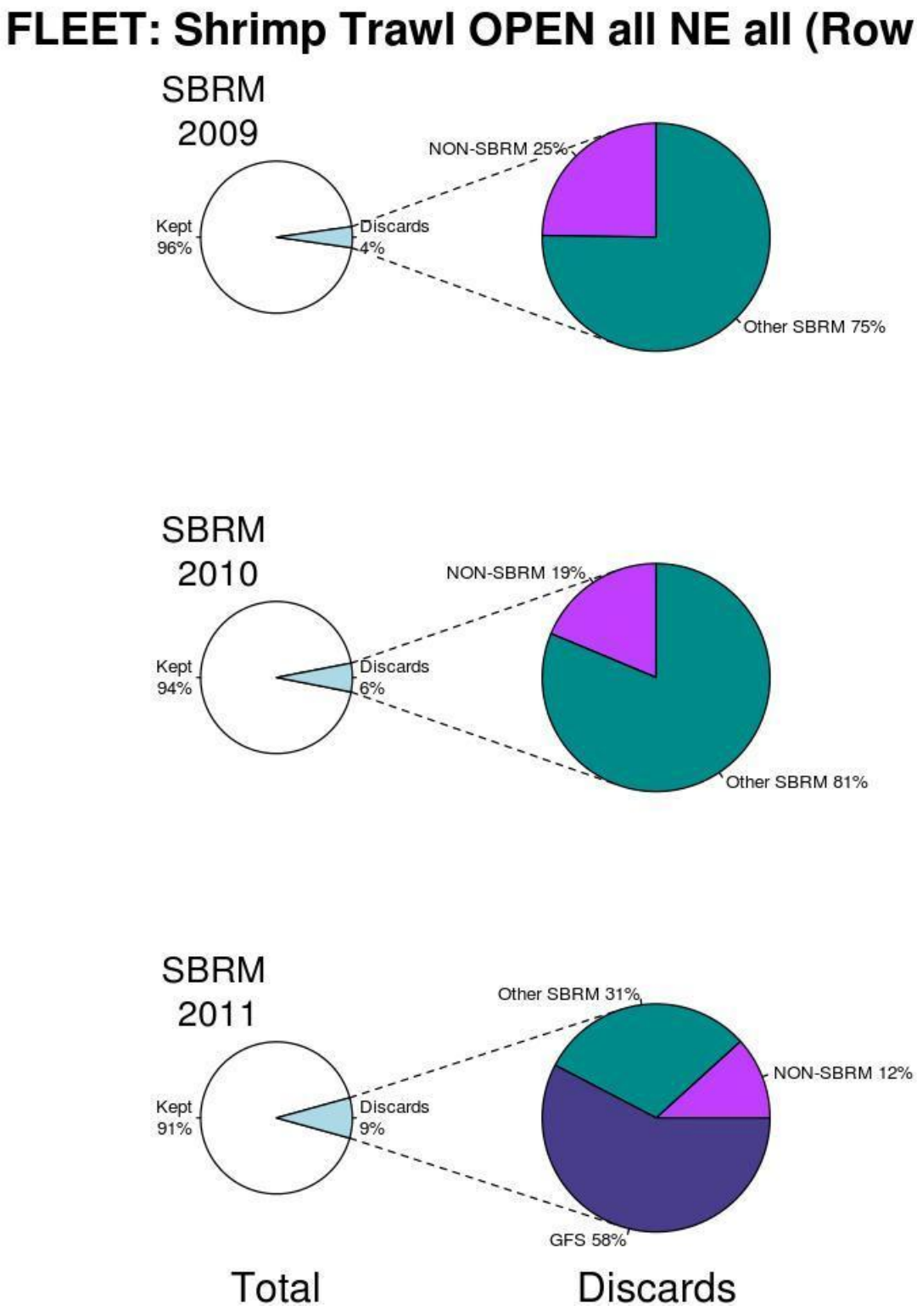

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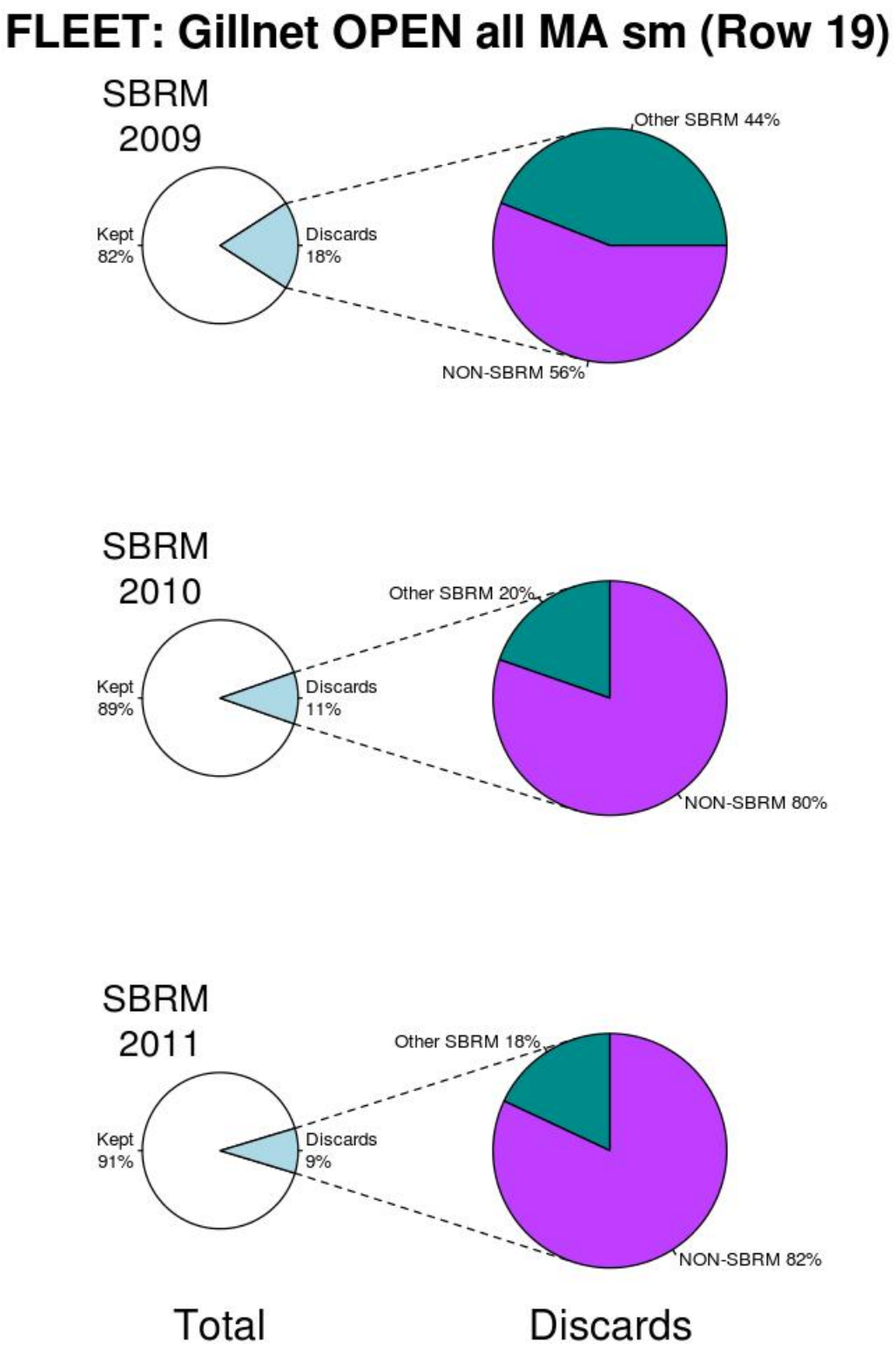

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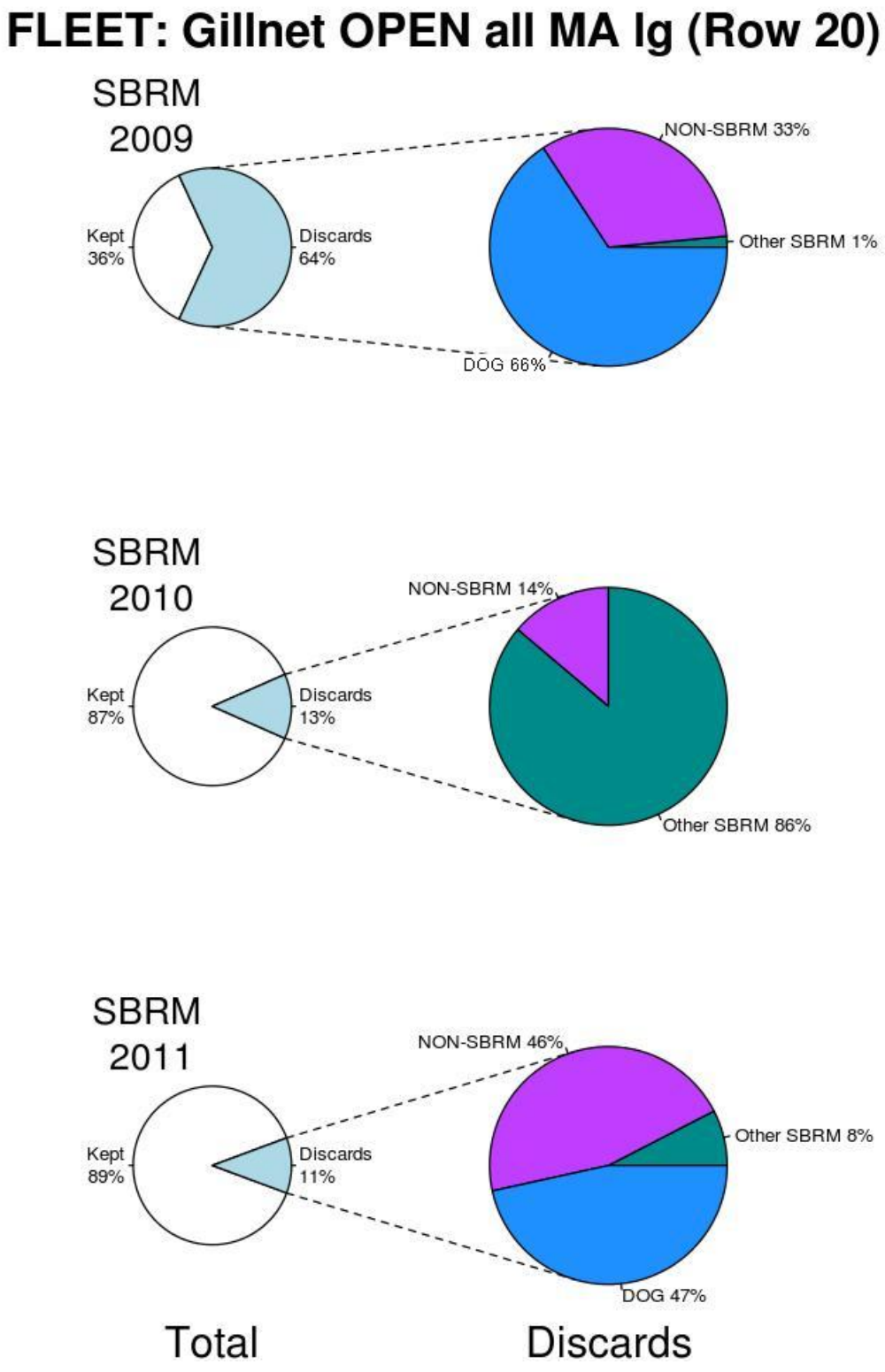

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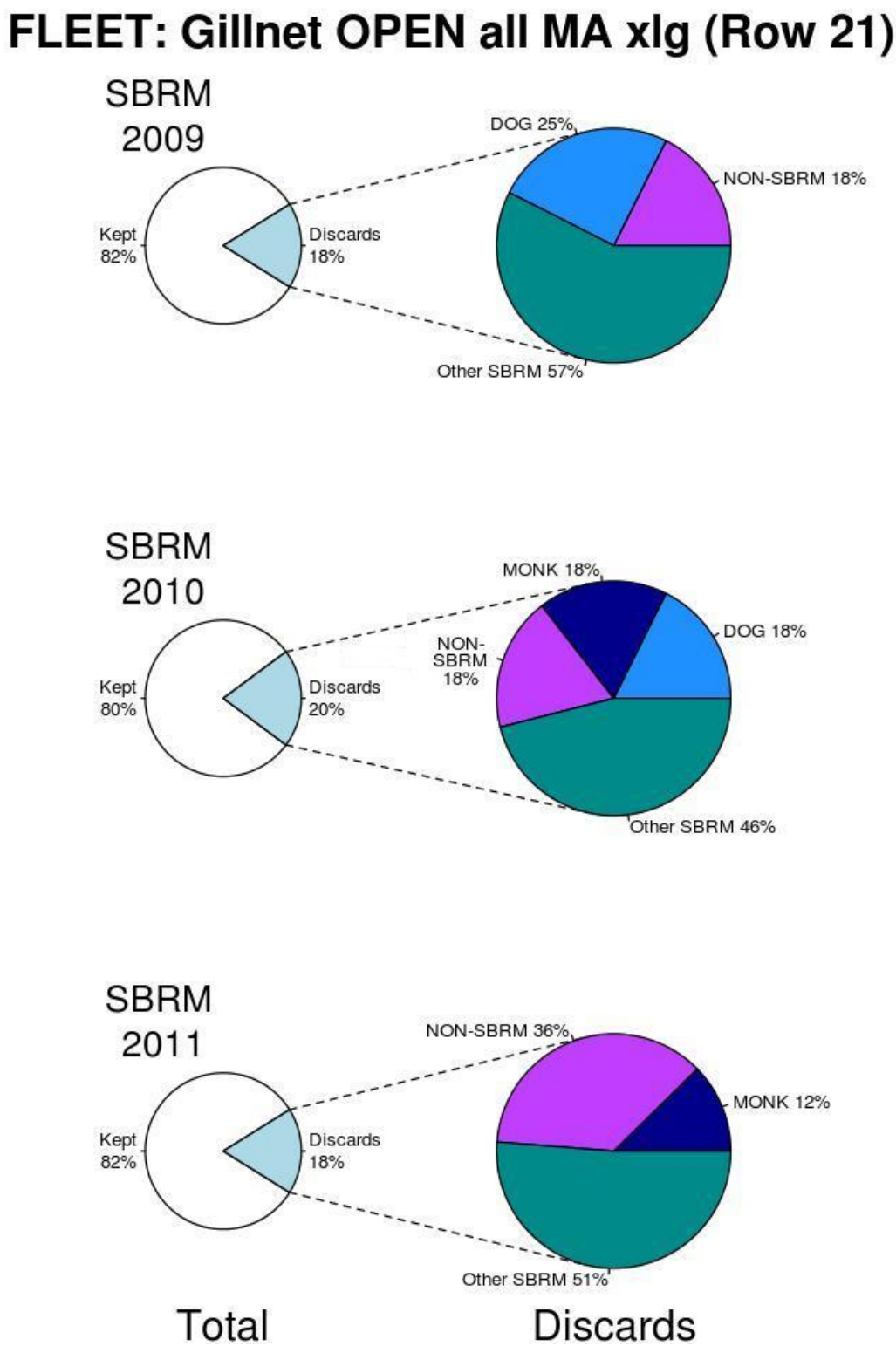

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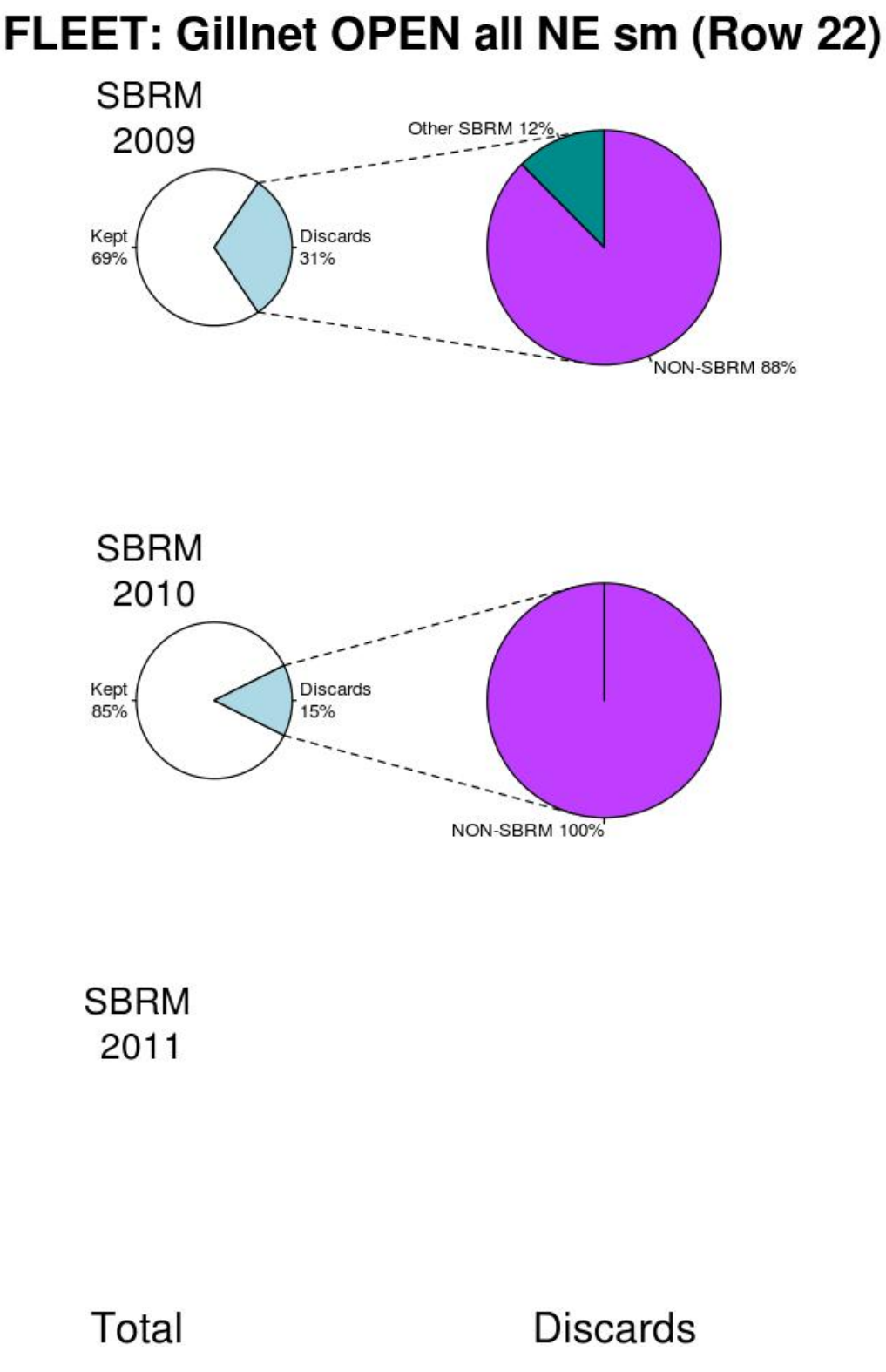

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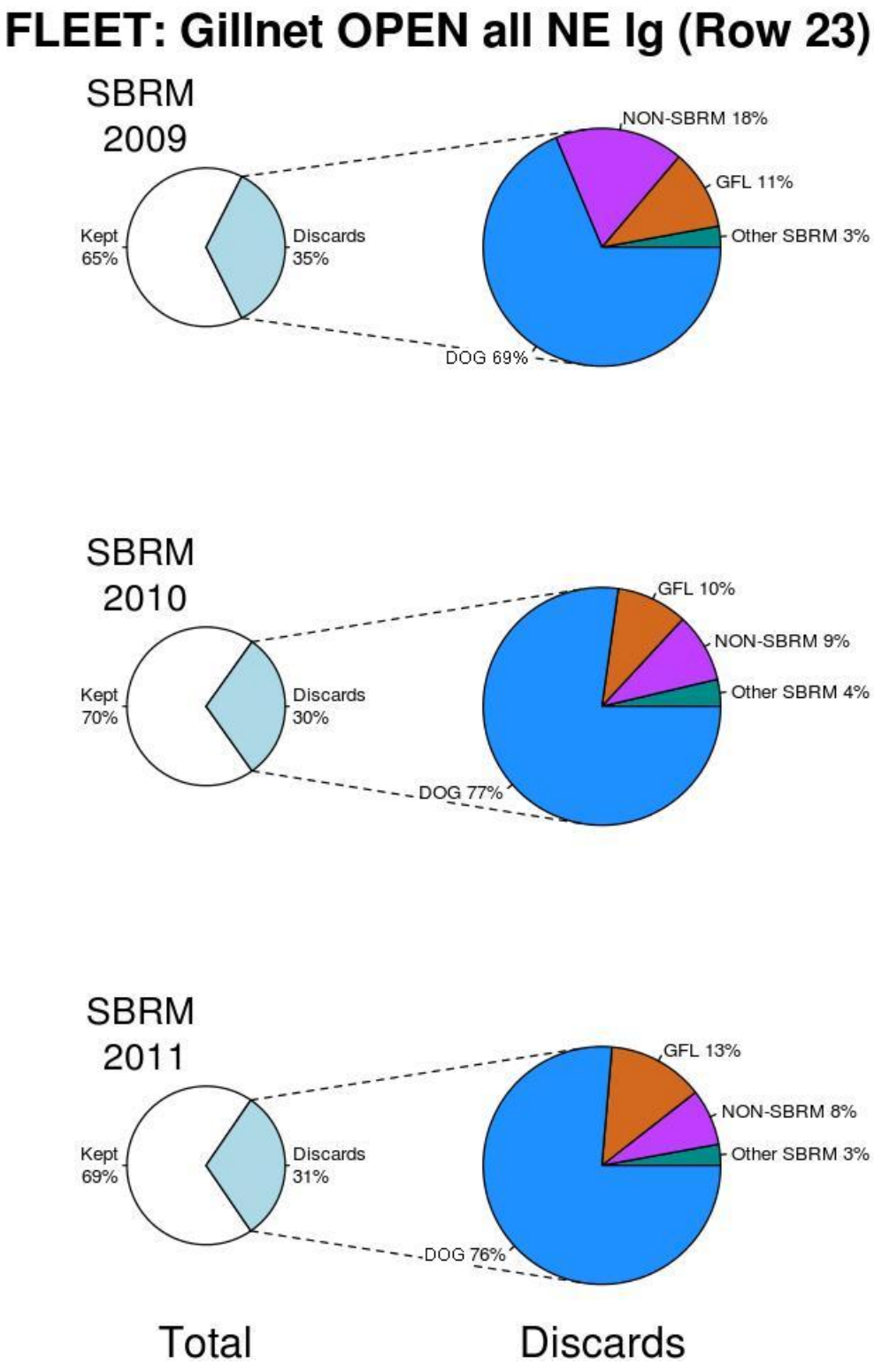

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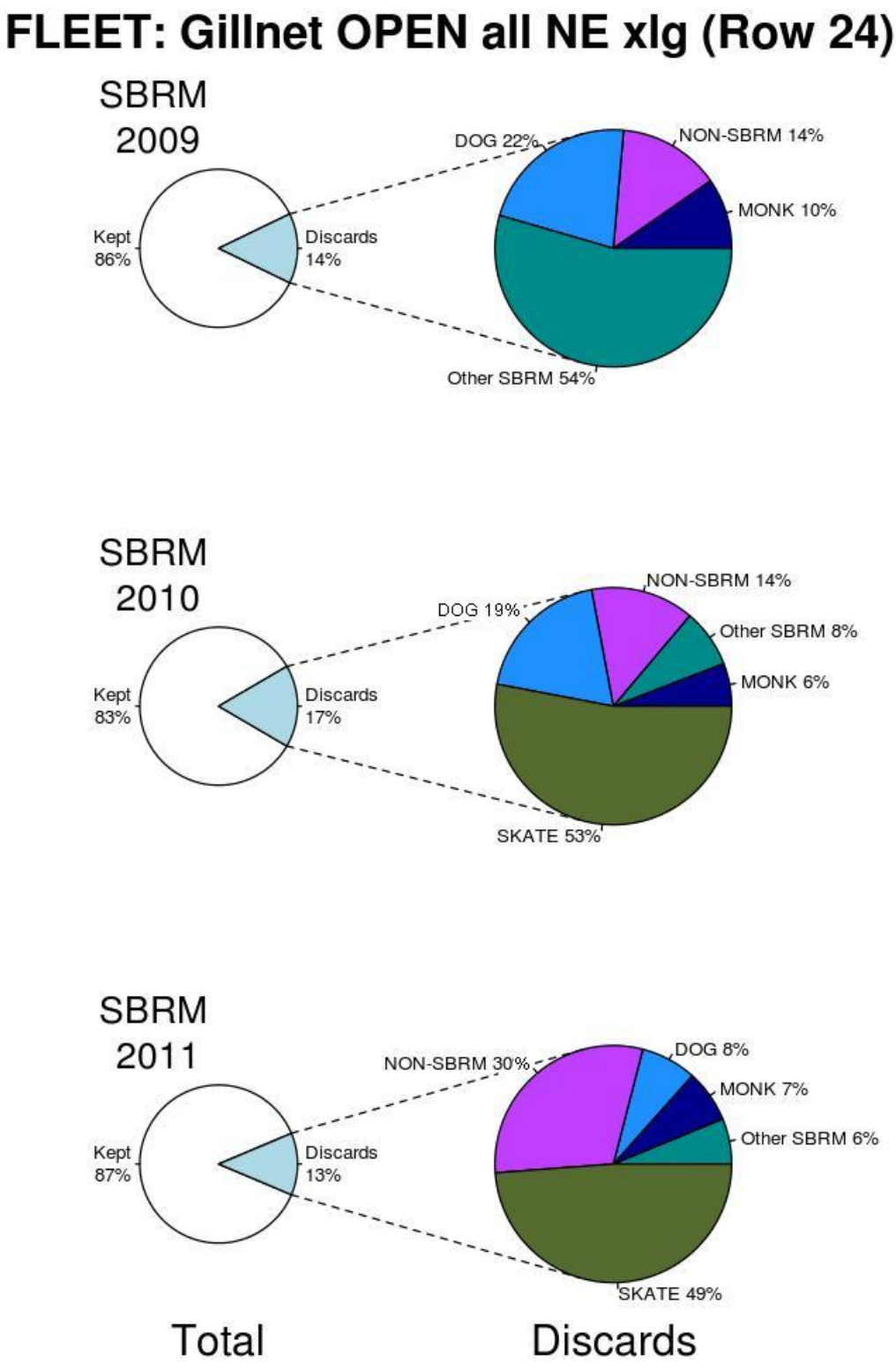

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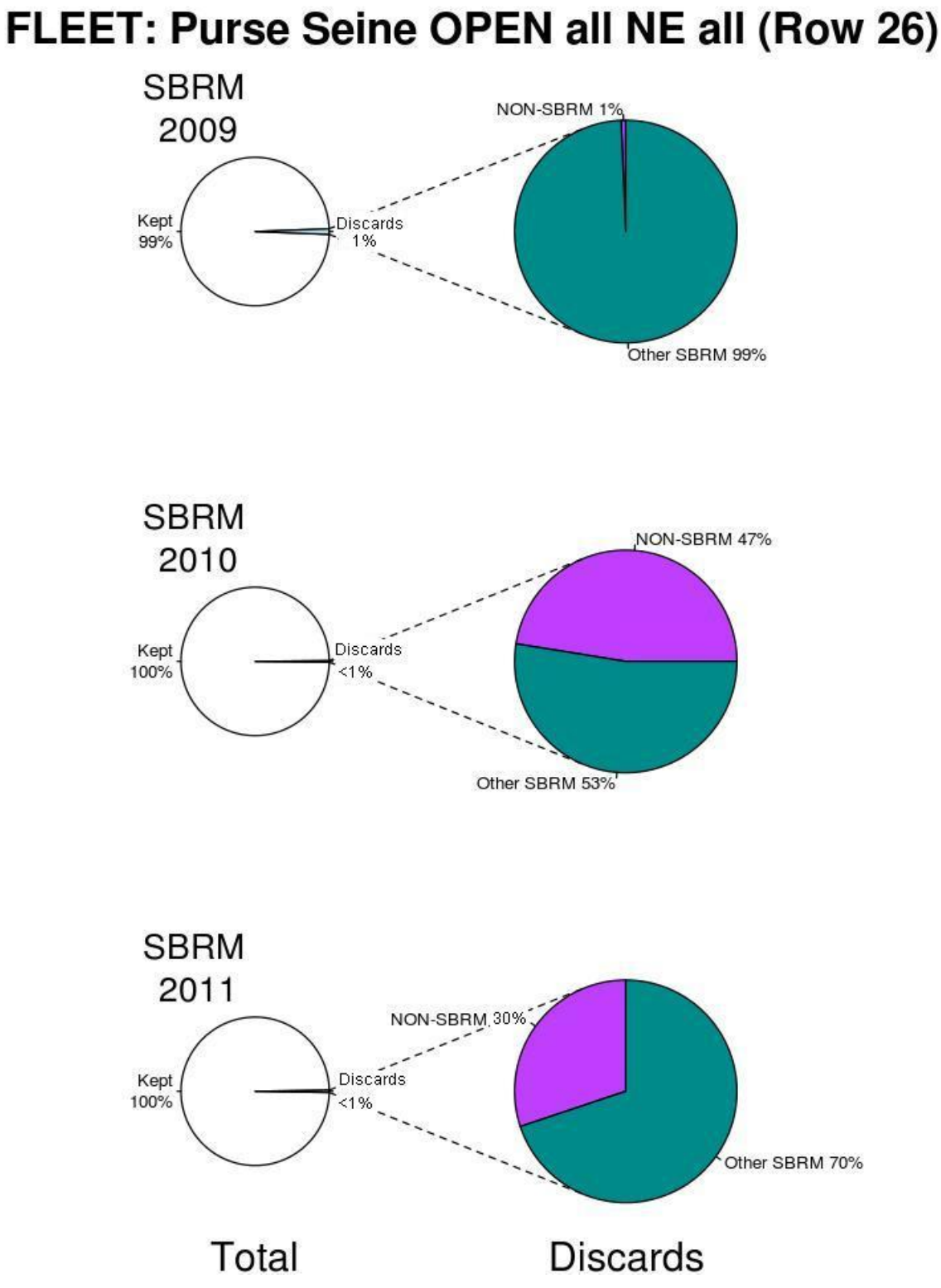

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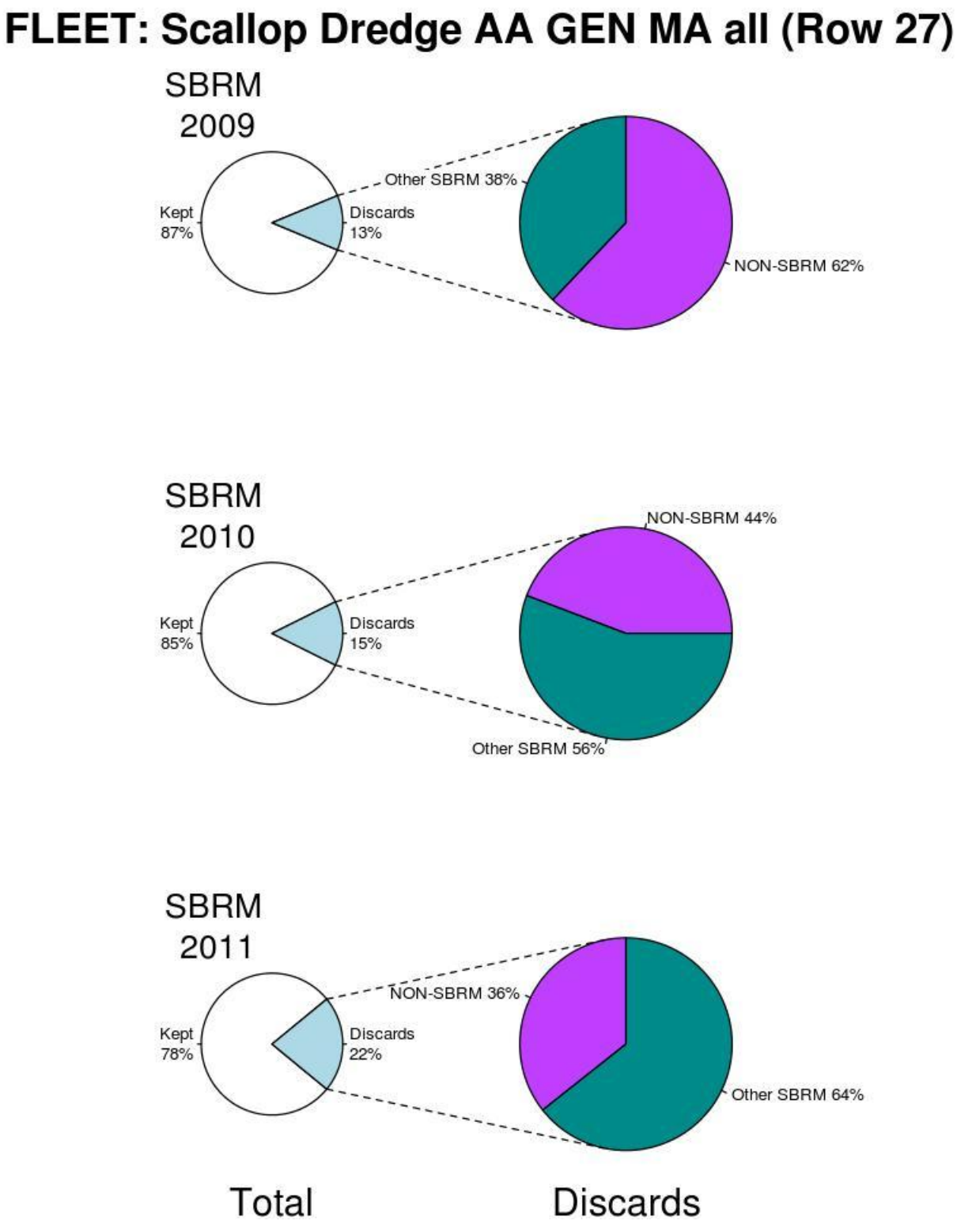

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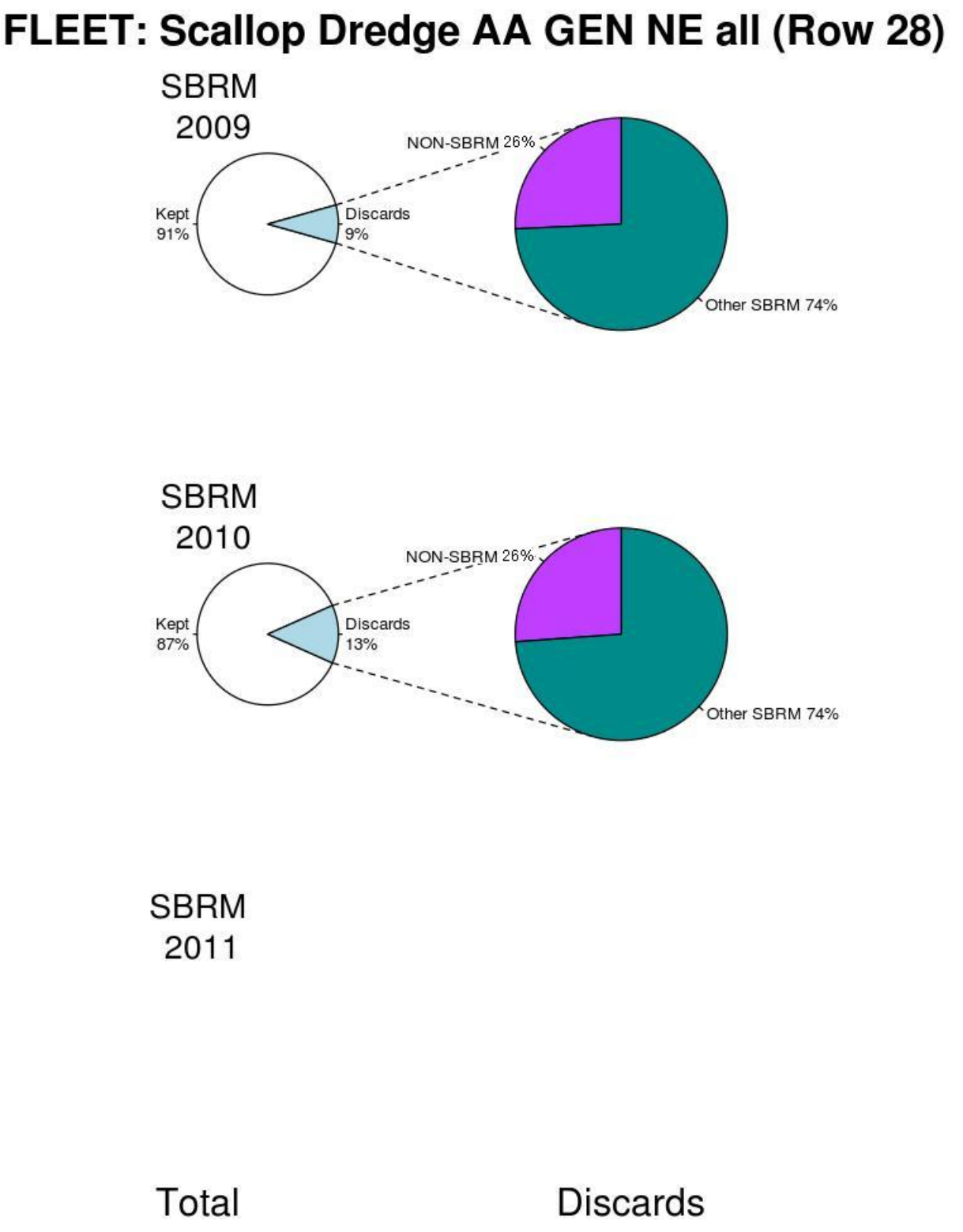

Figure 7, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by SBRM species groups, non-SBRM species (Discards, right pie) for 26 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 1 for SBRM species group abbreviations; SBRM species groups that were filtered out through the importance filter have been aggregated and labeled "Other SBRM" species groups; non-SBRM species have been grouped and labeled "Non-SBRM."
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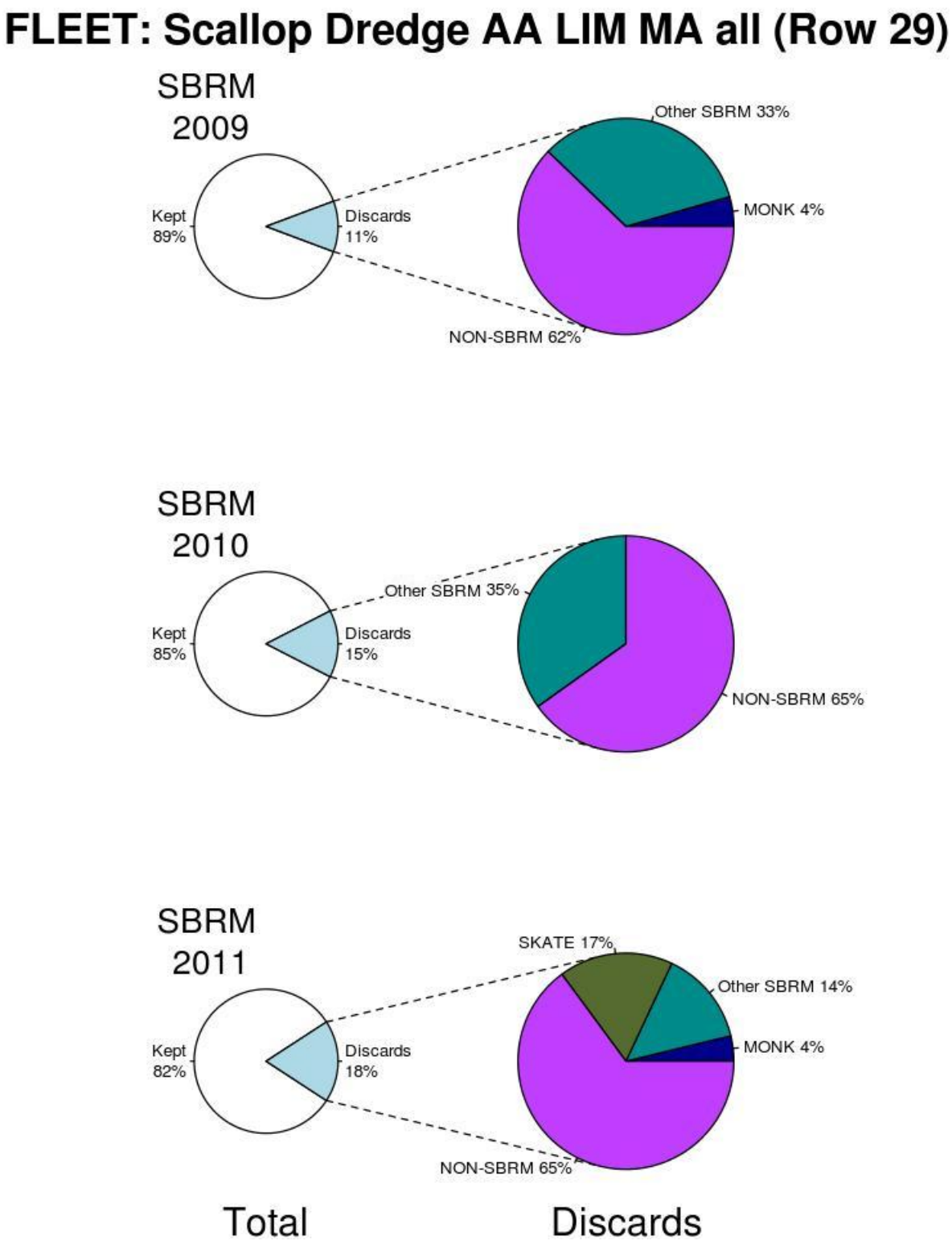

Figure 7, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by SBRM species groups, non-SBRM species (Discards, right pie) for 26 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 1 for SBRM species group abbreviations; SBRM species groups that were filtered out through the importance filter have been aggregated and labeled "Other SBRM" species groups; non-SBRM species have been grouped and labeled "Non-SBRM."
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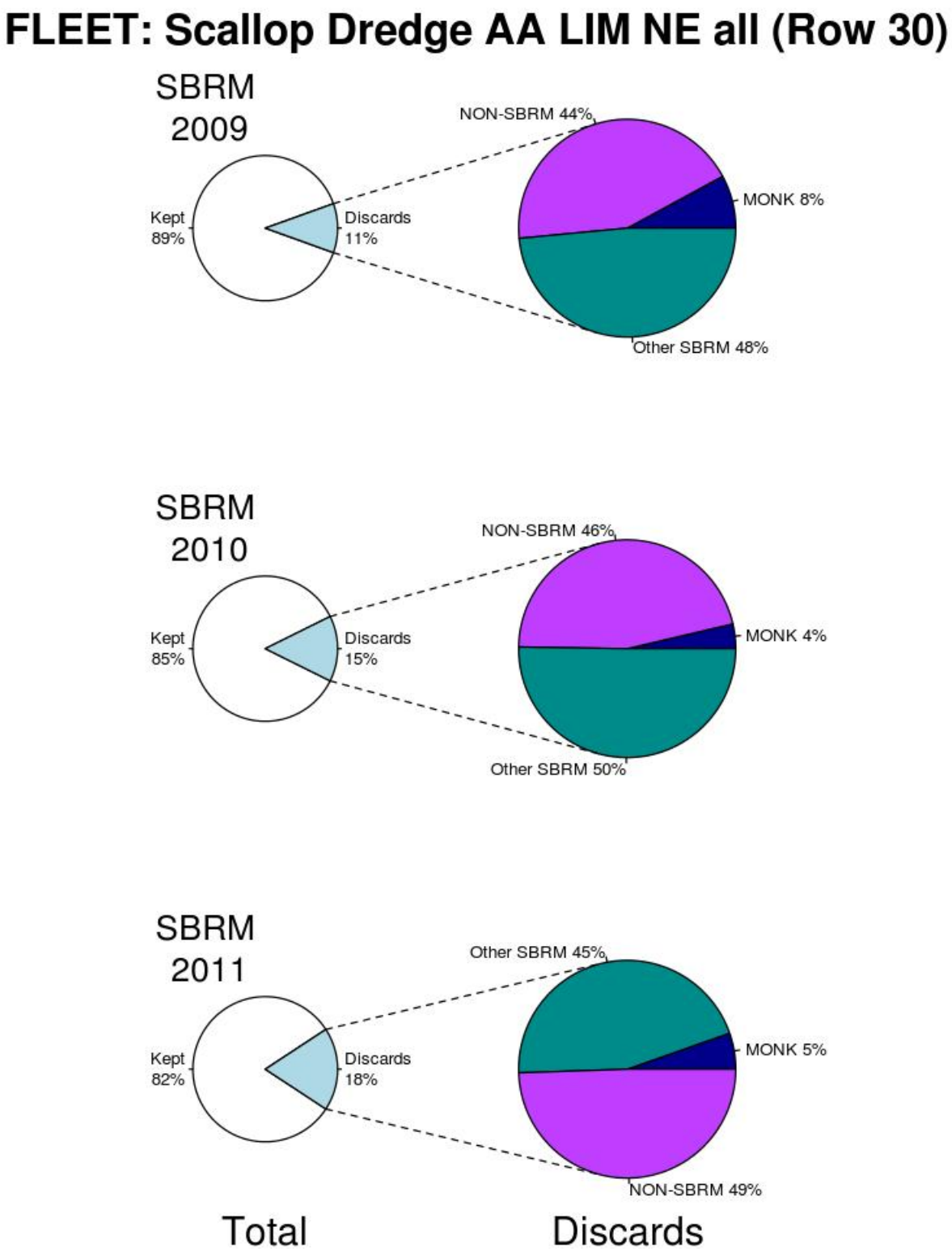

Figure 7, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by SBRM species groups, non-SBRM species (Discards, right pie) for 26 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 1 for SBRM species group abbreviations; SBRM species groups that were filtered out through the importance filter have been aggregated and labeled "Other SBRM" species groups; non-SBRM species have been grouped and labeled "Non-SBRM."
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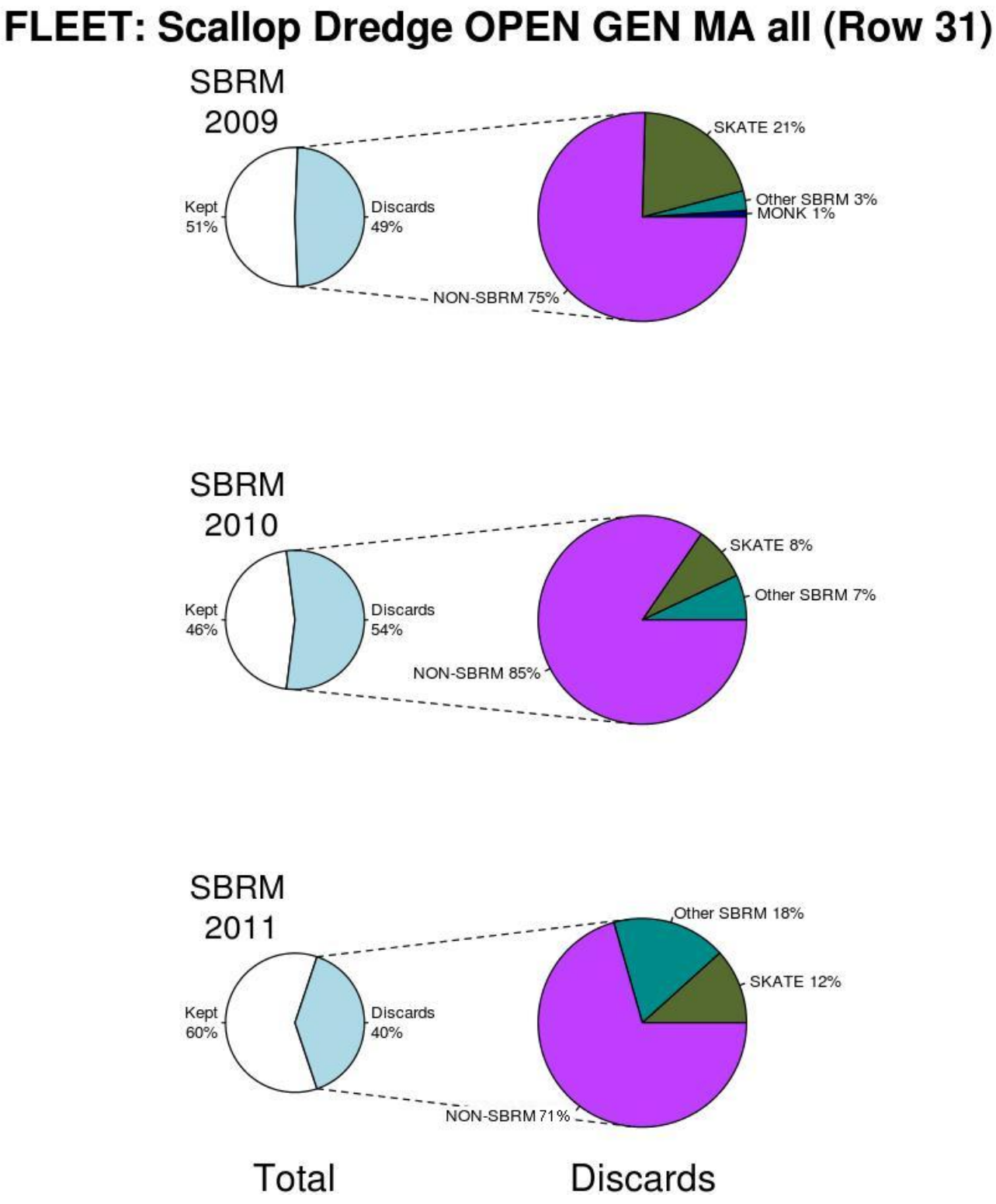

Figure 7, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by SBRM species groups, non-SBRM species (Discards, right pie) for 26 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 1 for SBRM species group abbreviations; SBRM species groups that were filtered out through the importance filter have been aggregated and labeled "Other SBRM" species groups; non-SBRM species have been grouped and labeled "Non-SBRM."
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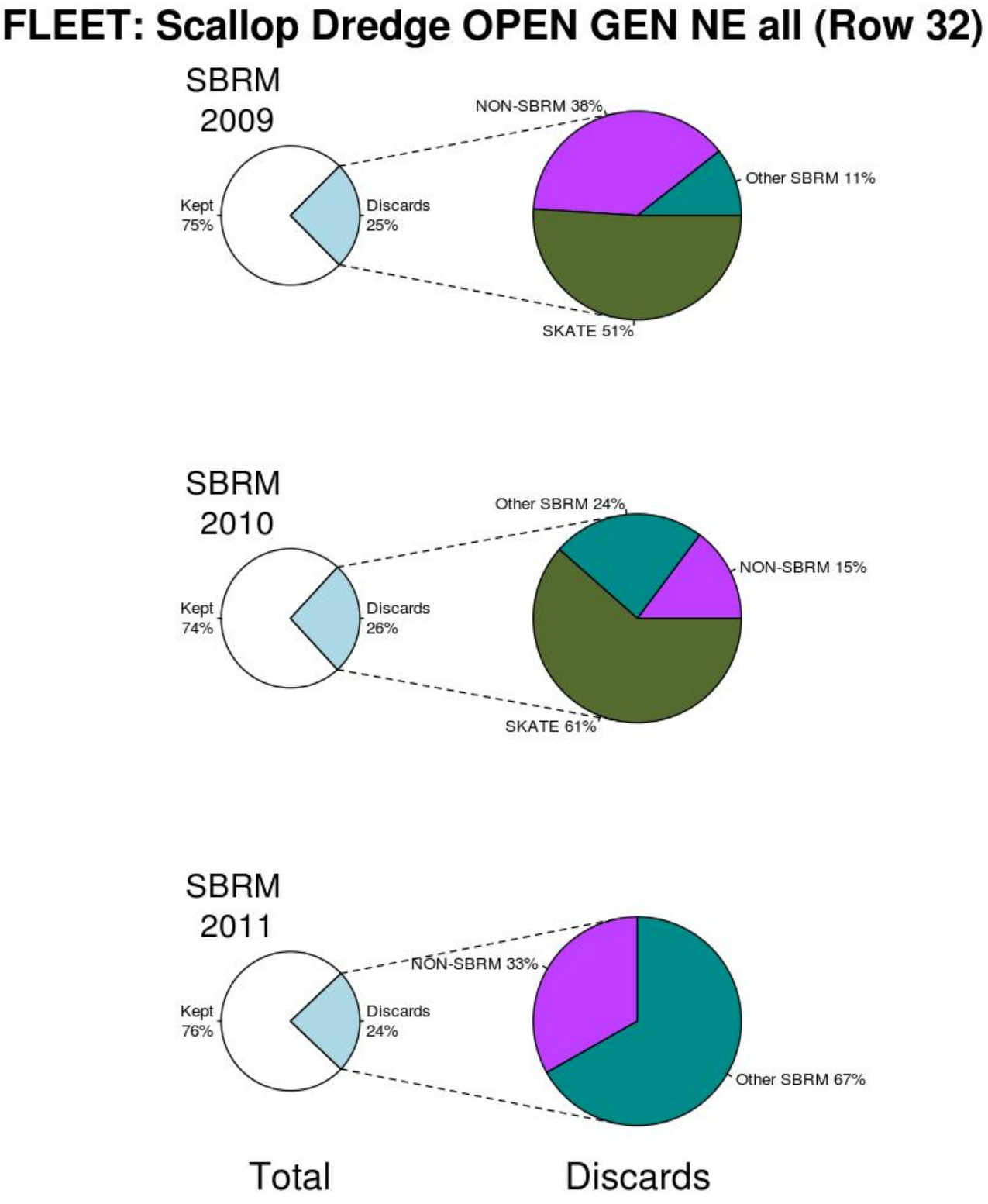

Figure 7, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by SBRM species groups, non-SBRM species (Discards, right pie) for 26 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 1 for SBRM species group abbreviations; SBRM species groups that were filtered out through the importance filter have been aggregated and labeled "Other SBRM" species groups; non-SBRM species have been grouped and labeled "Non-SBRM."
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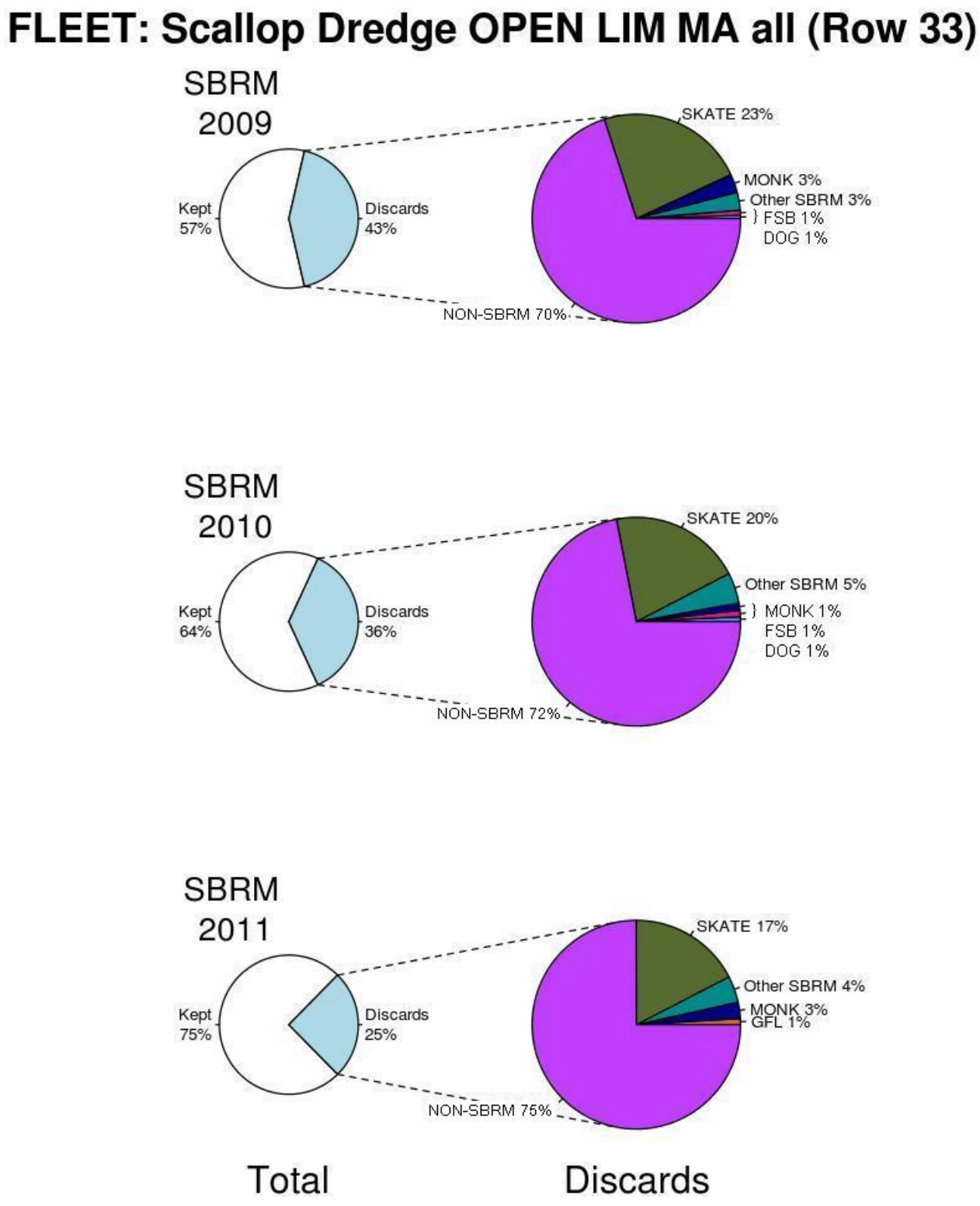

Figure 7, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by SBRM species groups, non-SBRM species (Discards, right pie) for 26 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 1 for SBRM species group abbreviations; SBRM species groups that were filtered out through the importance filter have been aggregated and labeled "Other SBRM" species groups; non-SBRM species have been grouped and labeled "Non-SBRM."
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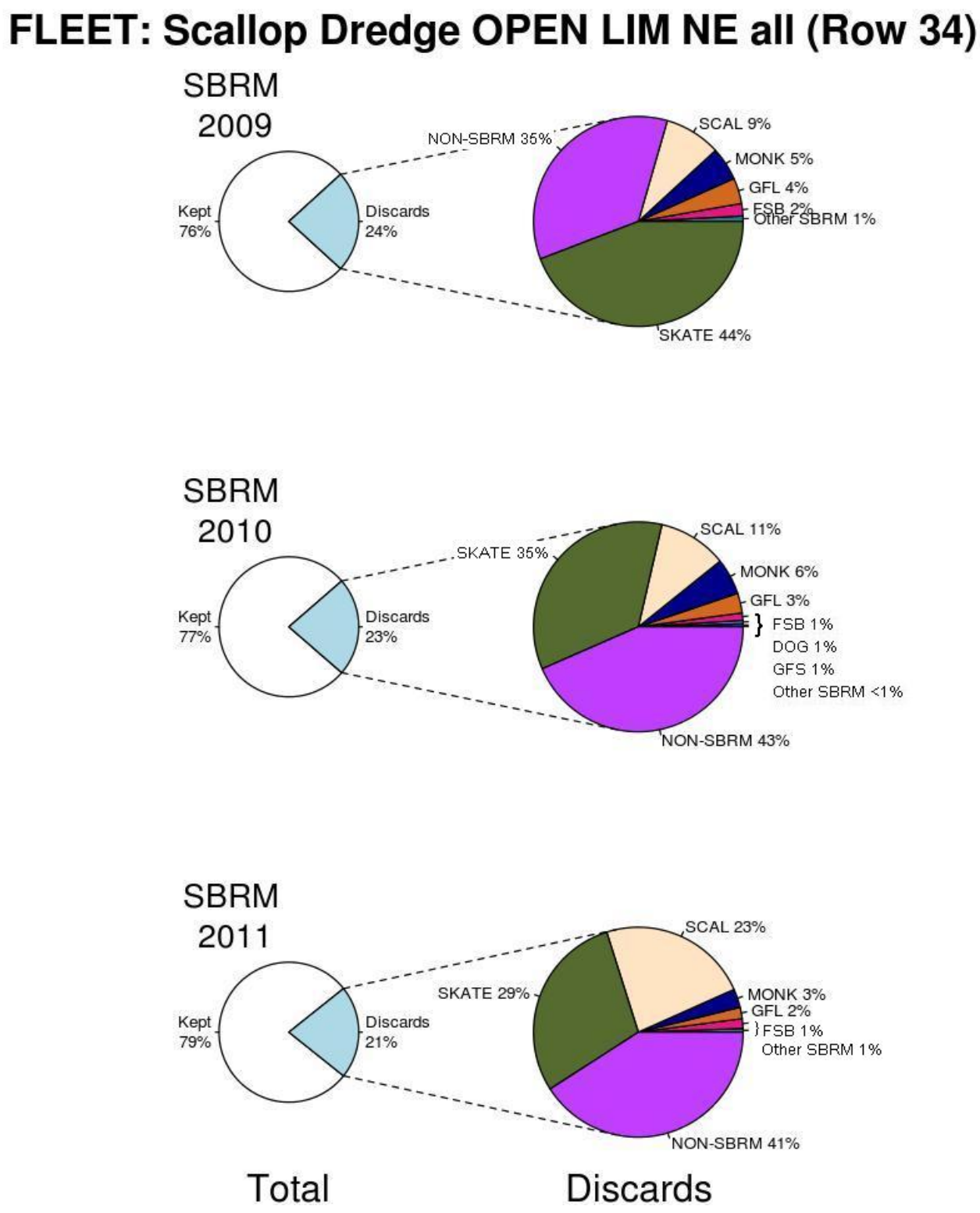

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Note: Selected fleets include Rows 2, 4-8, 13, 14, 16, 19-24, and 26-36; these represent fleets where discards were estimated in the majority of years.

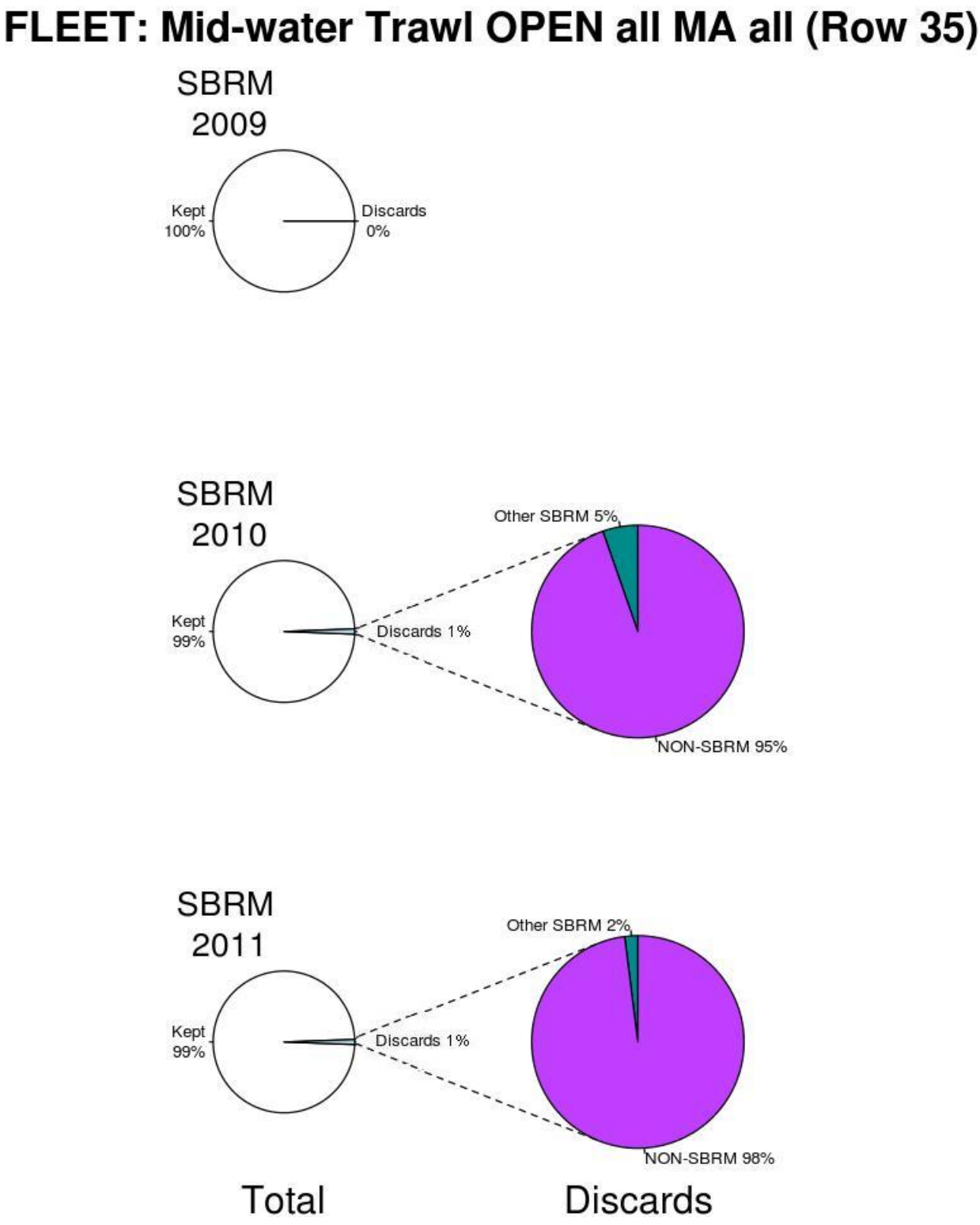

Figure 7, continued. Percentage of Vessel Trip Report landings (kept) and estimated discards (Total, left pie) and the percentage of estimated discards by SBRM species groups, non-SBRM species (Discards, right pie) for 26 selected fleets for SBRM 2009 (July 2007 through June 2008), SBRM 2010 (July 2008 through June 2009), and SBRM 2011 (July 2009 through June 2010). See Table 1 for SBRM species group abbreviations; SBRM species groups that were filtered out through the importance filter have been aggregated and labeled "Other SBRM" species groups; non-SBRM species have been grouped and labeled "Non-SBRM."
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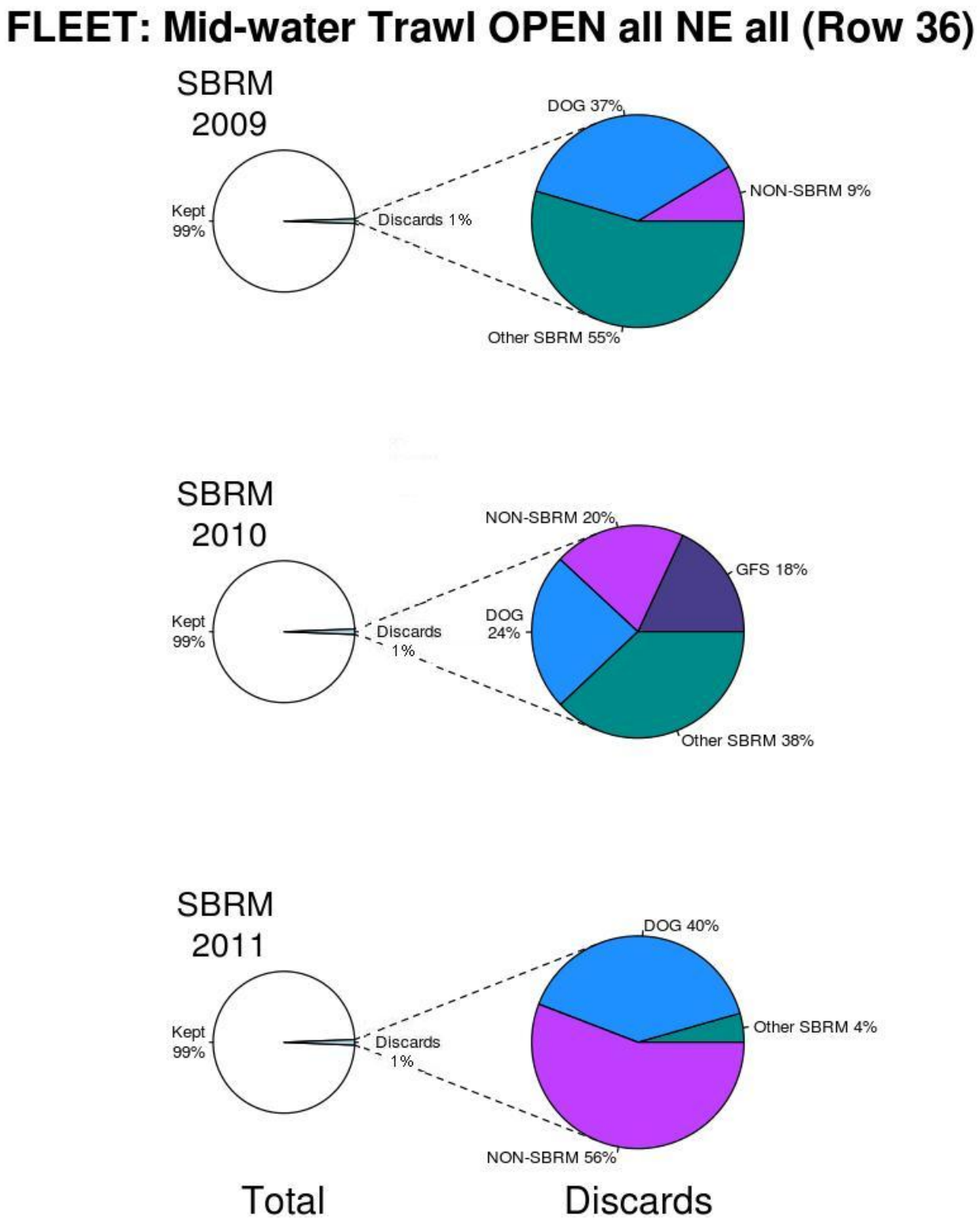


Figure 8A. Precision (coefficient of variation, CV) of estimated discards for each of the 14 SBRM species groups by selected fleet for all SBRM years (2009 through 2011). The 24 selected fleets are: Rows 2, 4-8, 16, 19-24, and 26-36. Each point represents a separate species group and SBRM year. Red circles denote New England fleets and black stars denote Mid-Atlantic fleets. Dash line represents 30 % CV. See Table 14 for fleet abbreviations.

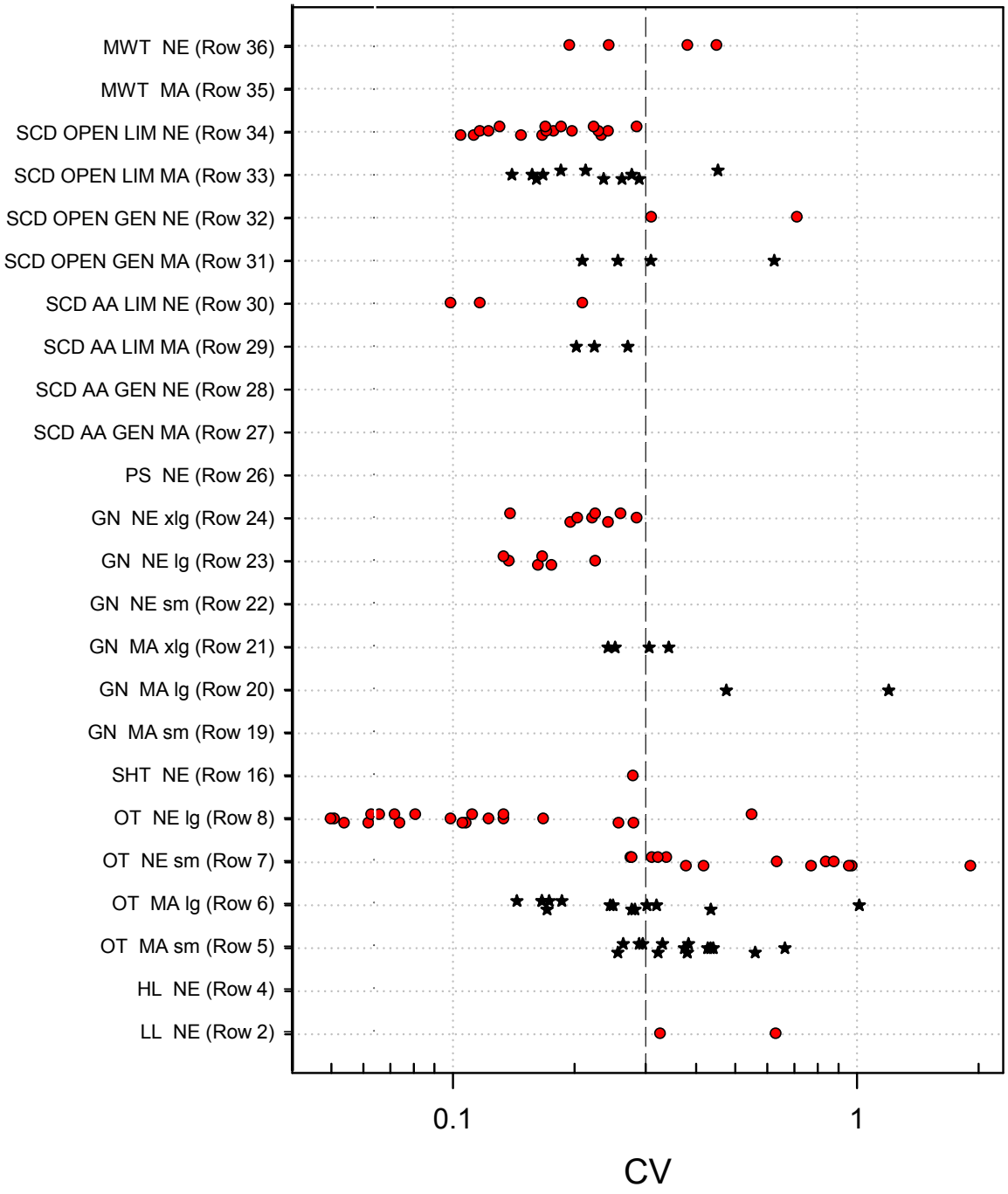


Figure 8B. Precision (coefficient of variation, CV) of estimated discards for each of the SBRM individual species by selected fleet for all SBRM years (2009 through 2011). The 24 selected fleets are: Rows 2, 4-8, 16, 19-24, and 26-36. Each point represents a separate species and SBRM year. Red circles denote New England fleets and black stars denote Mid-Atlantic fleets. Dash line represents 30 % CV. See Table 14 for fleet abbreviations.

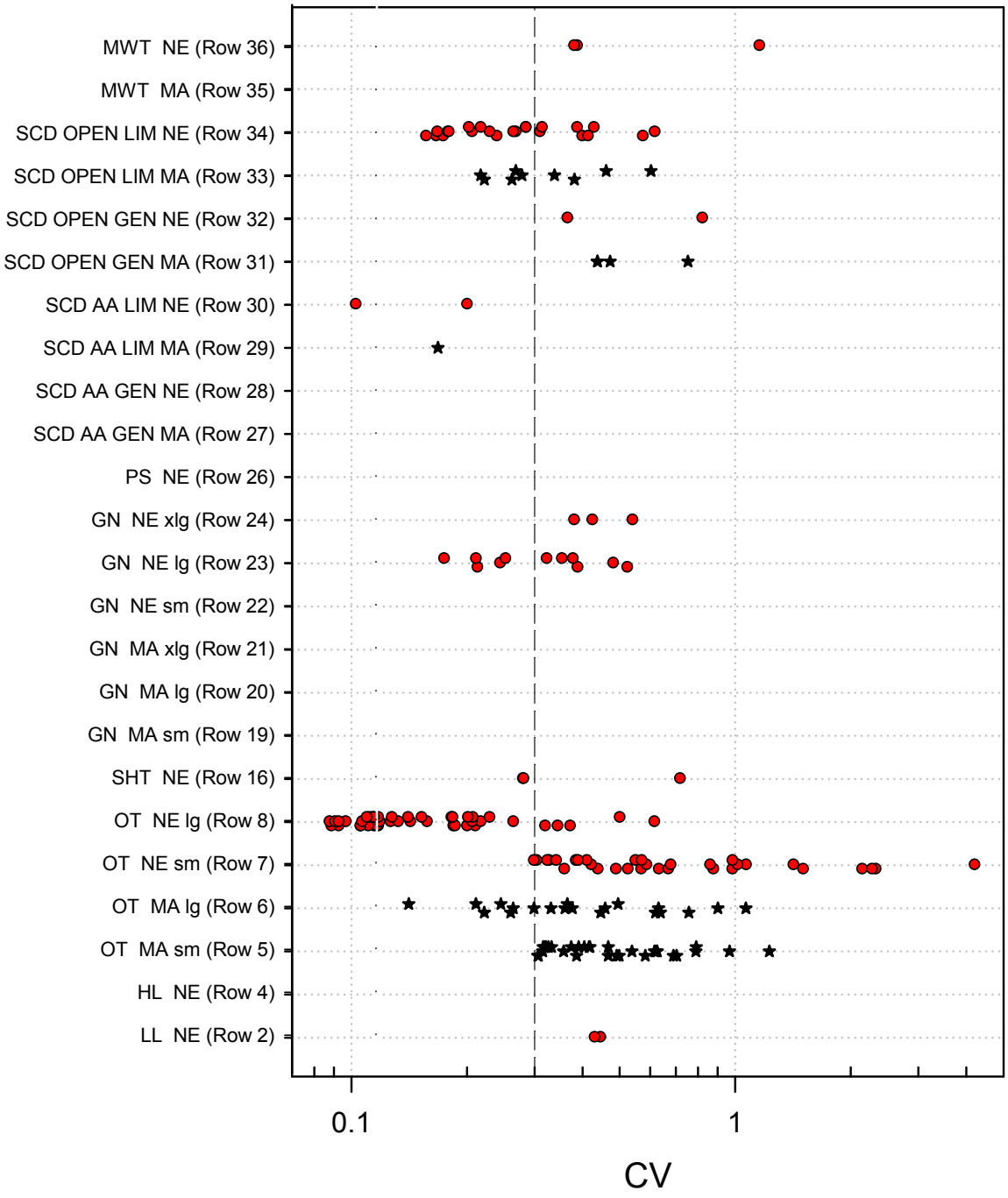


Figure 9A. Precision (coefficient of variation, CV) of estimated discards for 9 of the 14 SBRM species groups by selected fleet for all SBRM years (2009 through 2011). The 24 selected fleets are: Rows 2, 4-8, 16, 19-24, and 26-36. Each point represents a separate fleet and SBRM year. Red circles denote New England fleets and black stars denote Mid-Atlantic fleets. Dash line represents 30 % CV.

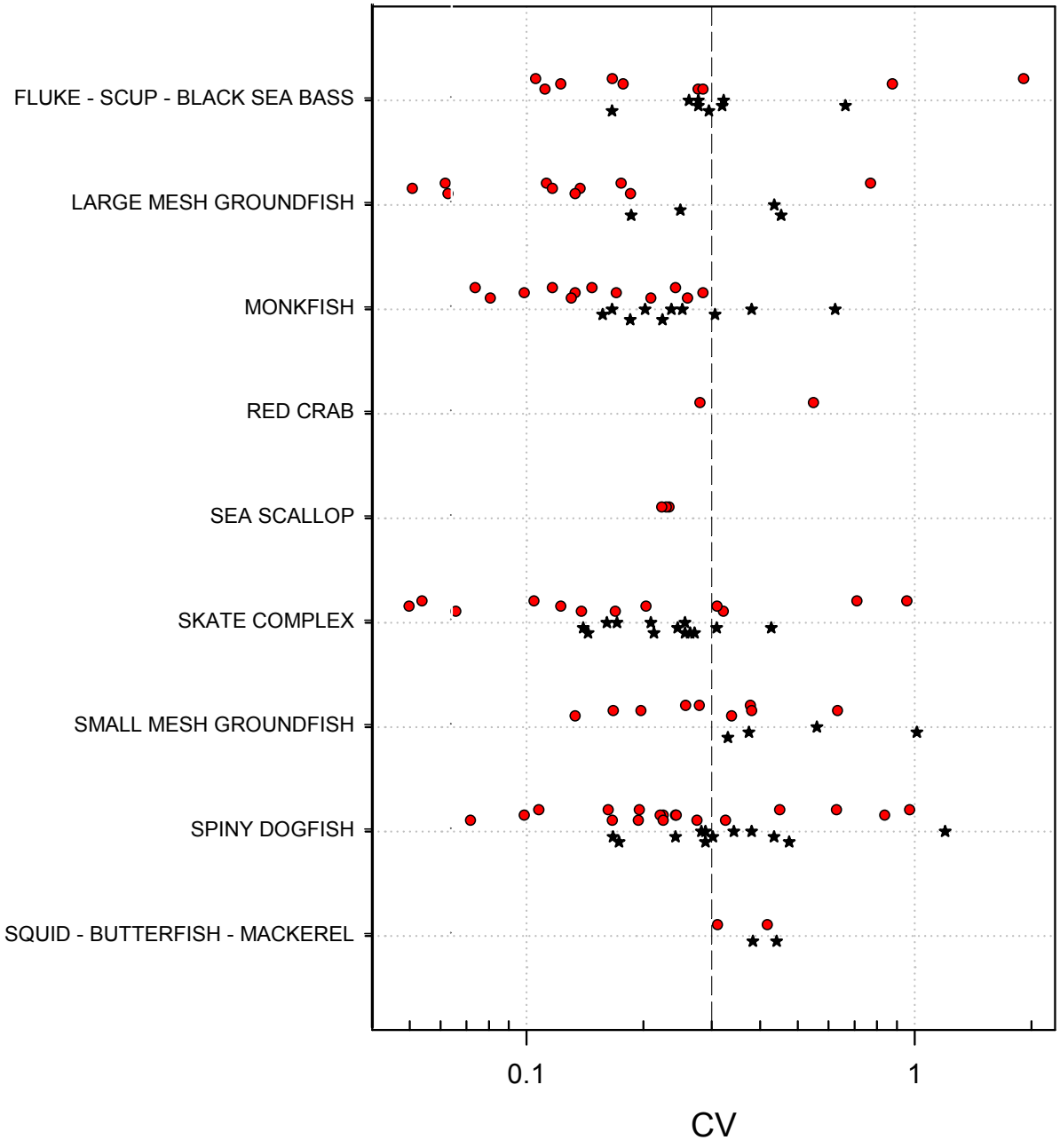
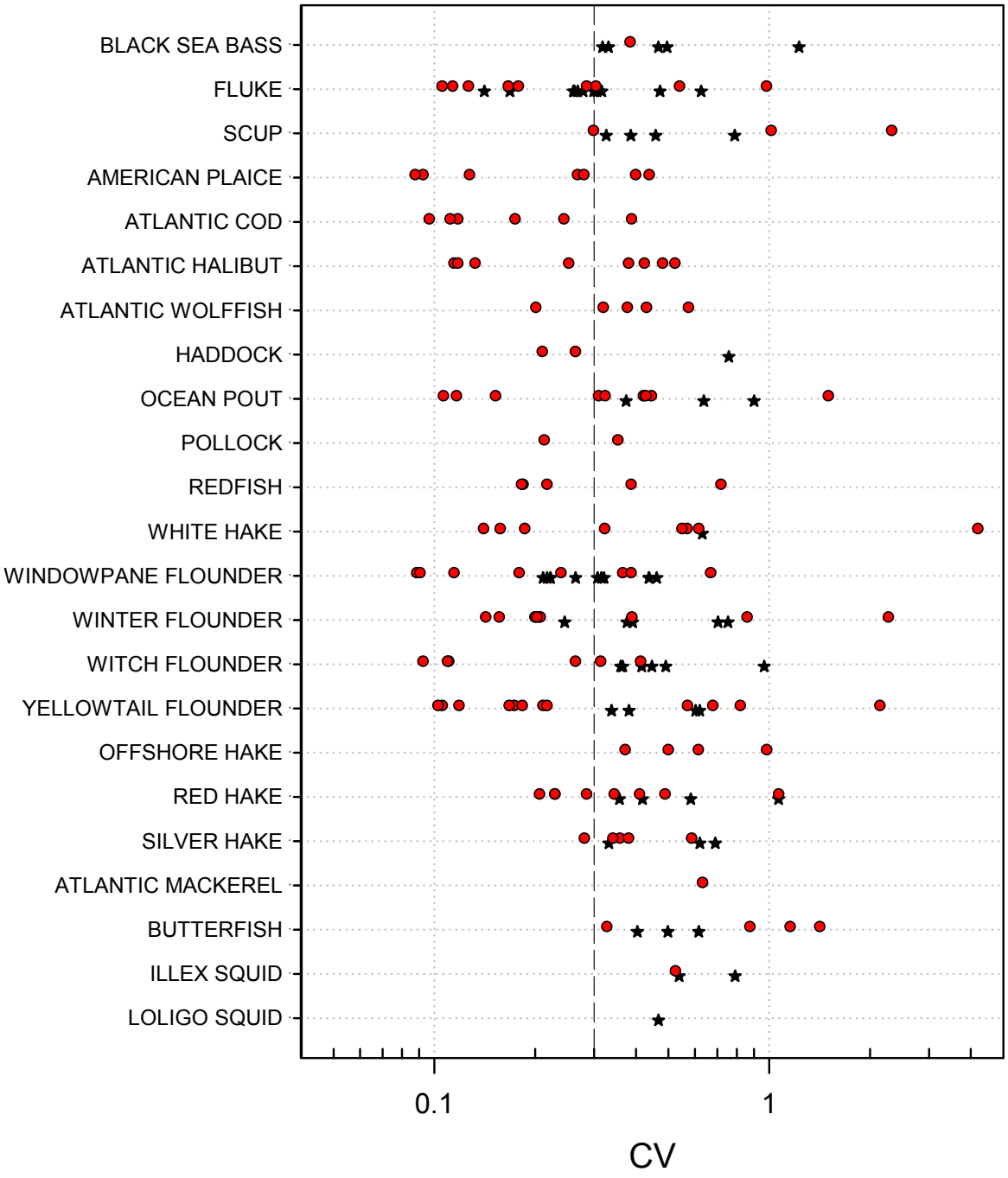


Figure 9B. Precision (coefficient of variation, CV) of estimated discards for each of the individual species that comprise the 14 SBRM species groups by selected fleet for all SBRM years (2009 through 2011). The 24 selected fleets are: Rows 2, 4-8, 16, 19-24, and 26-36. Each point represents a separate fleet and SBRM year. Red circles denote New England fleets and black stars denote Mid-Atlantic fleets. Dash line represents 30 % CV.



Appendix Table 1. Number of Northeast Fisheries Observer Program (NEFOP) and Vessel Trip Report (VTR) trips, by fleet and calendar quarter (Q) from July 2007 through June 2008 (SBRM 2009). "P" indicates fleets for which pilot coverage was assigned.

		Access	Trip		Mesh	NEFOP Fish set					NEFOP Protected Species set					VTR set					
Row	Gear Type	Area	Category	Region	Group	Q3	Q4	Q1	Q2	TOTAL	Q3	Q4	Q1	Q2	TOTAL	Q3	Q4	Q1	Q2	TOTAL	Pilot
1	Longline	OPEN	all	MA	all	1	1	.	1	3	1	1	.	1	3	28	37	36	31	132	P
2	Longline	OPEN	all	NE	all	10	56	10	16	92	10	56	10	16	92	140	226	577	133	1,076	
3	Hand Line	OPEN	all	MA	all	.	.	.	.	.	1	.	.	.	1	1,625	894	181	884	3,584	P
4	Hand Line	OPEN	all	NE	all	.	.	.	3	3	.	.	.	3	3	1,267	276	197	354	2,094	P
5	Otter Trawl	OPEN	all	MA	sm	76	41	33	37	187	76	42	33	37	188	1,082	1,307	666	1,096	4,151	
6	Otter Trawl	OPEN	all	MA	lg	78	31	17	42	168	78	33	17	42	170	1,988	1,065	1,187	1,850	6,090	
7	Otter Trawl	OPEN	all	NE	sm	33	12	8	14	67	33	12	8	14	67	1,193	801	671	991	3,656	
8	Otter Trawl	OPEN	all	NE	lg	165	164	170	173	672	165	164	172	173	674	3,202	2,706	2,984	2,500	11,392	
9	Scallop Trawl	AA	GEN	MA	all	.	.	2	3	5	.	.	2	3	5	40	17	26	10	93	P
10	Scallop Trawl	AA	LIM	MA	all	.	.	1	1	2	.	.	1	1	2	.	1	6	7	14	P
11	Scallop Trawl	OPEN	GEN	MA	all	.	.	.	10	10	.	.	.	10	10	380	60	53	311	804	P
12	Scallop Trawl	OPEN	LIM	MA	all	.	.	.	.	.	.	.	.	.	.	35	36	6	7	84	P
13	Shrimp Trawl	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	293	346	37	186	862	P
14	Shrimp Trawl	OPEN	all	NE	all	.	.	16	.	16	.	.	16	.	16	19	363	2,252	72	2,706	
15	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	11	3	.	1	15	111	100	37	65	313	786	478	275	421	1,960	
16	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	3	7	.	2	12	16	28	16	19	79	158	322	135	224	839	
17	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	.	10	12	11	33	.	44	31	45	120	148	1,088	516	1,154	2,906	
18	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	.	.	.	3	3	.	.	.	3	3	68	4	3	5	80	P
19	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	47	44	23	36	150	75	106	95	50	326	2,756	2,115	1,770	1,506	8,147	
20	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	86	48	11	28	173	96	69	35	46	246	1,249	927	385	1,118	3,679	
21	Purse Seine	OPEN	all	MA	all	.	1	.	.	1	.	1	.	.	1	144	32	.	51	227	P
22	Purse Seine	OPEN	all	NE	all	8	2	.	10	20	8	2	.	12	22	231	62	.	50	343	
23	Scallop Dredge	AA	GEN	MA	all	2	3	68	79	152	2	3	68	79	152	86	40	330	460	916	
24	Scallop Dredge	AA	GEN	NE	all	29	.	.	46	75	29	.	.	46	75	120	5	2	63	190	
25	Scallop Dredge	AA	LIM	MA	all	18	7	16	29	70	18	7	16	29	70	77	70	93	169	409	
26	Scallop Dredge	AA	LIM	NE	all	34	26	27	40	127	34	26	27	40	127	117	51	49	96	313	
27	Scallop Dredge	OPEN	GEN	MA	all	9	7	2	7	25	9	7	2	8	26	2,887	1,477	1,667	2,648	8,679	
28	Scallop Dredge	OPEN	GEN	NE	all	6	1	2	1	10	6	1	2	1	10	1,400	584	559	1,012	3,555	
29	Scallop Dredge	OPEN	LIM	MA	all	13	11	6	19	49	13	11	6	19	49	344	266	281	452	1,343	
30	Scallop Dredge	OPEN	LIM	NE	all	23	11	19	24	77	23	11	19	24	77	570	345	291	431	1,637	
31	Mid-water Paired & Single Trawl	OPEN	all	MA	all	.	.	1	.	1	.	.	3	.	3	.	.	41	3	44	P
32	Mid-water Paired & Single Trawl	OPEN	all	NE	all	.	9	23	14	46	1	9	24	15	49	2	105	133	62	302	
33	Pots and Traps, Fish	OPEN	all	MA	all	.	.	.	2	2	.	.	.	2	2	429	419	74	361	1,283	P
34	Pots and Traps, Fish	OPEN	all	NE	all	.	.	.	1	1	.	.	.	1	1	515	179	.	154	848	P
35	Pots and Traps, Conch	OPEN	all	MA	all	.	.	.	.	.	.	.	.	1	1	89	287	129	136	641	P
36	Pots and Traps, Conch	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	272	238	.	169	679	P
37	Pots and Traps, Hagfish	OPEN	all	MA	all	1	.	1	1	3	1	.	1	1	3	9	.	5	9	23	P
38	Pots and Traps, Hagfish	OPEN	all	NE	all	.	.	2	5	7	.	.	2	5	7	66	36	19	36	157	
39	Pots and Traps, Lobster	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1,327	535	232	715	2,809	P
40	Pots and Traps, Lobster	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	13,437	9,344	2,298	4,135	29,214	P
41	Pots and Traps, Crab	OPEN	all	MA	all	.	.	.	1	1	.	.	.	1	1	64	34	17	11	126	P
42	Pots and Traps, Crab	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	51	18	5	32	106	P
43	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1,040	850	844	991	3,725	P
44	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	920	514	472	838	2,744	P
					Total	**653**	**495**	**470**	**660**	**2,278**	**806**	**733**	**643**	**812**	**2,994**	**40,654**	**28,560**	**19,504**	**25,944**	**114,662**	

Appendix Table 2. Number of Northeast Fisheries Observer Program (NEFOP) and Vessel Trip Report (VTR) sea days, by fleet and calendar quarter (Q) from July 2007 through June 2008 (SBRM 2009). "P" indicates fleets for which pilot coverage was assigned.

		Access	Trip		Mesh	NEFOP Fish set					NEFOP Protected Species set					VTR set					
Row	Gear Type	Area	Category	Region	Group	Q3	Q4	Q1	Q2	TOTAL	Q3	Q4	Q1	Q2	TOTAL	Q3	Q4	Q1	Q2	TOTAL	Pilot
1	Longline	OPEN	all	MA	all	10	13	.	12	35	10	13	.	12	35	228	288	389	286	1191	P
2	Longline	OPEN	all	NE	all	10	80	10	39	139	10	80	10	39	139	208	356	672	272	1,508	
3	Hand Line	OPEN	all	MA	all	.	.	.	.	.	1	.	.	.	1	1,881	999	184	916	3,980	P
4	Hand Line	OPEN	all	NE	all	.	.	.	11	11	.	.	.	11	11	1,350	303	197	367	2,217	P
5	Otter Trawl	OPEN	all	MA	sm	140	114	165	65	484	140	119	165	65	489	2,011	2,631	2509	1,713	8,864	
6	Otter Trawl	OPEN	all	MA	lg	115	67	68	67	317	115	73	68	67	323	3,018	1,797	3,905	2,811	11,531	
7	Otter Trawl	OPEN	all	NE	sm	63	24	48	28	163	63	24	48	28	163	2,138	1952	2605	1908	8,603	
8	Otter Trawl	OPEN	all	NE	lg	808	872	865	1052	3597	808	872	870	1052	3602	7,531	6,606	7,056	6,643	27,836	
9	Scallop Trawl	AA	GEN	MA	all	.	.	4	7	11	.	.	4	7	11	83	42	60	21	206	P
10	Scallop Trawl	AA	LIM	MA	all	.	.	5	4	9	.	.	5	4	9	.	4	37	37	78	P
11	Scallop Trawl	OPEN	GEN	MA	all	.	.	.	20	20	.	.	.	20	20	700	118	113	634	1565	P
12	Scallop Trawl	OPEN	LIM	MA	all	.	.	.	.	.	.	.	.	.	.	241	260	66	50	617	P
13	Shrimp Trawl	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1408	1610	123	501	3642	P
14	Shrimp Trawl	OPEN	all	NE	all	.	.	16	.	16	.	.	16	.	16	19	365	2,291	118	2,793	
15	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	11	3	.	1	15	111	104	37	68	320	811	496	292	431	2,030	
16	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	3	7	.	3	13	16	28	16	20	80	158	325	153	248	884	
17	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	.	12	12	11	35	.	55	34	52	141	170	1,492	719	1,564	3,945	
18	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	.	.	.	3	3	.	.	.	3	3	68	4	3	5	80	P
19	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	51	65	42	75	233	79	133	135	91	438	3,062	2,352	2,056	1,854	9,324	
20	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	94	77	36	50	257	107	104	90	87	388	1,483	1221	829	1,957	5,490	
21	Purse Seine	OPEN	all	MA	all	.	1	.	.	1	.	1	.	.	1	157	32	.	63	252	P
22	Purse Seine	OPEN	all	NE	all	19	4	.	23	46	19	4	.	27	50	502	131	.	126	759	
23	Scallop Dredge	AA	GEN	MA	all	6	9	136	167	318	6	9	136	167	318	119	67	567	750	1503	
24	Scallop Dredge	AA	GEN	NE	all	66	.	.	117	183	66	.	.	117	183	187	10	6	126	329	
25	Scallop Dredge	AA	LIM	MA	all	145	48	123	216	532	145	48	123	216	532	671	570	629	1361	3231	
26	Scallop Dredge	AA	LIM	NE	all	256	241	224	365	1086	256	241	224	365	1086	867	454	446	811	2578	
27	Scallop Dredge	OPEN	GEN	MA	all	14	10	6	9	39	14	10	6	12	42	4,166	2,450	2,893	3,995	13,504	
28	Scallop Dredge	OPEN	GEN	NE	all	12	1	5	2	20	12	1	5	2	20	2,269	1004	745	1,696	5,714	
29	Scallop Dredge	OPEN	LIM	MA	all	126	75	64	159	424	126	75	64	159	424	3230	2294	2195	3981	11,700	
30	Scallop Dredge	OPEN	LIM	NE	all	266	141	198	313	918	266	141	198	313	918	5917	3482	2898	4472	16,769	
31	Mid-water Paired & Single Trawl	OPEN	all	MA	all	.	.	5	.	5	.	.	11	.	11	.	.	200	26	226	P
32	Mid-water Paired & Single Trawl	OPEN	all	NE	all	.	39	111	52	202	4	39	119	54	216	8	353	599	259	1219	
33	Pots and Traps, Fish	OPEN	all	MA	all	.	.	.	2	2	.	.	.	2	2	443	431	77	369	1,320	P
34	Pots and Traps, Fish	OPEN	all	NE	all	.	.	.	1	1	.	.	.	1	1	526	188	.	156	870	P
35	Pots and Traps, Conch	OPEN	all	MA	all	.	.	.	.	.	.	.	.	1	1	89	301	129	136	655	P
36	Pots and Traps, Conch	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	287	238	.	169	694	P
37	Pots and Traps, Hagfish	OPEN	all	MA	all	6	.	8	9	23	6	.	8	9	23	80	.	72	109	261	P
38	Pots and Traps, Hagfish	OPEN	all	NE	all	.	.	7	14	21	.	.	7	14	21	203	130	109	208	650	
39	Pots and Traps, Lobster	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1,562	724	291	866	3,443	P
40	Pots and Traps, Lobster	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	15,835	11,445	3,789	5,705	36,774	P
41	Pots and Traps, Crab	OPEN	all	MA	all	.	.	.	4	4	.	.	.	4	4	64	83	51	33	231	P
42	Pots and Traps, Crab	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	159	144	55	39	397	P
43	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1,590	1343	1417	1771	6,122	P
44	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	810	468	385	656	2,318	P
					Total	**2221**	**1903**	**2158**	**2901**	**9,183**	**2380**	**2174**	**2399**	**3089**	**10,042**	**66,309**	**49,563**	**41,812**	**50,219**	**207,903**	

Appendix Table 3. The number of sea days needed to achieve a 30% CV based on the variance of the total composite discard for each the 15 SBRM species groups, and 2009 SBRM standard sea days (the maximum number of sea days needed for each fleet) based on July 2007 through June 2008 data (SBRM 2009). Red font indicates basis for fleet sea days; species group abbreviation are given in Table 1. "P" indicates fleets for which pilot coverage was assigned. * indicates that pilot days were used to maintain fleet coverage.

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	BLUE	HERR	SAL	RCRAB	SCAL	SBM	MONK	GFL	GFS	SKATE	DOG	FSB	SCOQ	TILE	TURS	2009 SBRM Sea Day Standard	Pilot
1	Longline	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**108**	108	P
2	Longline	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	**456**	0	0	0	31	456	
3	Hand Line	OPEN	all	MA	all	0	0	0	0	0	0	0	**80**	0	0	0	0	0	0	**80**	80	P
4	Hand Line	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**44**	44	P
5	Otter Trawl	OPEN	all	MA	sm	0	0	0	0	0	0	623	0	1,242	294	623	456	0	0	**1,495**	1,495	
6	Otter Trawl	OPEN	all	MA	lg	0	0	0	0	0	0	0	651	0	106	282	272	0	0	**1,459**	1,459	
7	Otter Trawl	OPEN	all	NE	sm	0	0	0	0	0	303	0	961	249	1,408	1,448	**4,027**	0	0	172	4,027	
8	Otter Trawl	OPEN	all	NE	lg	0	0	0	0	0	0	107	74	**1,233**	56	224	215	0	0	557	1,233	
9	Scallop Trawl	AA	GEN	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**27**	27	P
10	Scallop Trawl	AA	LIM	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**46**	46	P
11	Scallop Trawl	OPEN	GEN	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**39**	39	P
12	Scallop Trawl	OPEN	LIM	MA	all	**97**	0	0	0	**97**	**97**	**97**	**97**	**97**	**97**	**97**	**97**	0	0	**97**	97	P
13	Shrimp Trawl	OPEN	all	MA	all	0	**80**	0	0	0	**80**	**80**	**80**	**80**	**80**	0	**80**	0	0	**80**	80	P
14	Shrimp Trawl	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**61**	61	
15	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1,155**	1,155	
16	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0	0	0	0	0	0	0	0	0	**139**	0	0	0	18	139	
17	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0	0	0	0	0	0	0	0	0	67	0	0	0	**1,273**	1,273	
18	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**12**	12	P
19	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	0	0	0	0	0	0	0	60	0	0	51	0	0	0	**187**	187	
20	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	0	0	0	0	0	0	**171**	0	0	0	113	0	0	0	110	171	
21	Purse Seine	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**10**	10	P
22	Purse Seine	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**24**	24	
23	Scallop Dredge	AA	GEN	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	*
24	Scallop Dredge	AA	GEN	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	*
25	Scallop Dredge	AA	LIM	MA	all	0	0	0	0	0	0	**271**	0	0	0	0	0	0	0	0	271	
26	Scallop Dredge	AA	LIM	NE	all	0	0	0	0	0	0	**233**	0	0	0	0	0	0	0	0	233	
27	Scallop Dredge	OPEN	GEN	MA	all	0	0	0	0	0	0	**167**	0	0	19	0	0	0	0	0	167	
28	Scallop Dredge	OPEN	GEN	NE	all	0	0	0	0	0	0	0	0	0	**43**	0	0	0	0	0	43	
29	Scallop Dredge	OPEN	LIM	MA	all	0	0	0	0	0	0	269	0	0	125	**398**	329	0	0	0	398	
30	Scallop Dredge	OPEN	LIM	NE	all	0	0	0	0	0	0	198	116	0	102	0	**254**	0	0	0	254	
31	Mid-water Paired & Single Trawl	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**41**	41	P
32	Mid-water Paired & Single Trawl	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	**433**	0	0	0	48	433	
33	Pots and Traps, Fish	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	26	0	0	**28**	28	P
34	Pots and Traps, Fish	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**17**	17	P
35	Pots and Traps, Conch	OPEN	all	MA	all	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	15	P
36	Pots and Traps, Conch	OPEN	all	NE	all	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	**14**	14	P
37	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**106**	106	P
38	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**55**	55	
39	Pots and Traps, Lobster	OPEN	all	MA	all	0	0	0	**69**	0	0	0	**69**	0	0	0	0	0	0	**69**	69	P
40	Pots and Traps, Lobster	OPEN	all	NE	all	0	0	0	**430**	0	0	0	**430**	0	0	0	0	0	0	**430**	430	P
41	Pots and Traps, Crab	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**28**	28	P
42	Pots and Traps, Crab	OPEN	all	NE	all	0	0	0	**70**	0	0	0	0	0	0	0	0	0	0	**70**	70	P
43	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0	0	0	0	**122**	0	**122**	0	0	0	0	0	**122**	0	**122**	122	P
44	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0	0	0	0	**46**	0	**46**	0	0	0	0	0	**46**	0	**46**	46	P
					Total	126	109	29	598	295	509	2,413	2,648	2,930	2,358	4,359	5,784	198	29	8,175	15,125	

Appendix Table 4. Individual species (in alphabetical order) encountered in Northeast Fisheries Observer Program trips, by species reported in weight and species reported in number, during July 2007 through June 2010. Individual species listed reflects the unique species codes used by observers.

Individual species reported in live pounds
ALEWIFE
ALLIGATORFISH
AMBERJACK, NK
ANCHOVY, BAY
ANCHOVY, NK
ANCHOVY, STRIPED
ANEMONE, NK
ARGENTINE, ATLANTIC
BARRELFISH
BASS, STRIPED
BATFISH, NK
BEARDFISH
BLENNY, NK (FISH)
BLUEFISH
BOARFISH, DEEPBODY
BOARFISH, NK
BONITO, ATLANTIC
BUTTERFISH
CAPELIN
CLAM, NK
CLAM, RAZOR
CLAM, SURF
COBIA
COD, ATLANTIC
CORAL, STONY, NK
CRAB, BLUE
CRAB, CANCER, NK
CRAB, DEEPSEA,RED
CRAB, HERMIT, NK
CRAB, HORSESHOE
CRAB, JONAH
CRAB, LADY
CRAB, NORTHERN STONE
CRAB, ROCK
CRAB, SNOW
CRAB, SPECKLED, NK
CRAB, SPIDER, NK
CRAB, SPIDER, PORTLY
CRAB, TRUE, NK
CROAKER, ATLANTIC
CUNNER (YELLOW PERCH)
CUSK
CUSK-EEL, NK
CUTLASSFISH, ATL
DOGFISH, CHAIN
DOGFISH, NK
DOGFISH, SMOOTH
DOGFISH, SPINY
DOLPHINFISH (MAHI MAHI)
DORY, BUCKLER (JOHN)
DORY, NK
DRUM, BLACK
DRUM, NK
DRUM, RED
ECHINODERM, NK
EEL, AMERICAN
EEL, CONGER
EEL, NK
EEL, ROCK (GUNNEL)
EEL, SAND LANCE, NK
EEL, SLENDER SNIPE
EELGRASS
EELPOUT, NK
FILEFISH, NK
FISH, NK
FLOUNDER, AMERICAN PLAICE
FLOUNDER, FOURSPOT
FLOUNDER, GULFSTREAM
FLOUNDER, LEFTEYE, NK
FLOUNDER, NK
FLOUNDER, SAND DAB (WINDOWPANE)
FLOUNDER, SOUTHERN
FLOUNDER, SUMMER (FLUKE)
FLOUNDER, WINTER (BLACKBACK)
FLOUNDER, WITCH (GREY SOLE)
FLOUNDER, YELLOWTAIL
GAPER, RED EYE
GARFISH (NEEDLEFISH)
GRENADIER, COMMON (MARLINSPIKE)
GRENADIER, LONG-NOSED
GRENADIER, NK
GRENADIER, ROUGHEAD
GROUNDFISH, NK
GROUPER, NK
GROUPER,SNOWY
HADDOCK
HAGFISH, ATLANTIC
HAKE, LONGFIN
HAKE, NK
HAKE, RED (LING)
HAKE, RED/WHITE MIX
HAKE, SILVER (WHITING)
HAKE, SOUTHERN
HAKE, SPOTTED
HAKE, WHITE
HALIBUT, ATLANTIC
HALIBUT, GREENLAND
HARVESTFISH
HERRING, ATLANTIC
HERRING, BLUEBACK
HERRING, NK
HOGCHOCKER
HOGFISH
HOUNDFISH
INVERTEBRATE, NK
JACK, CREVALLE
JACK, NK
JELLYFISH, NK
KINGFISH, NK

Appendix Table 4, continued. Individual species (in alphabetical order) encountered in Northeast Fisheries Observer Program trips, by species reported in weight and species reported in number, during July 2007 through June 2010. Individual species listed reflects the unique species codes used by observers.

KINGFISH, NORTHERN
KINGFISH, SOUTHERN
LADYFISH
LAMPREY, NK
LAMPSHELL, NK
LANTERNFISH, NK
LEATHERJACKET
LIZARDFISH
LOBSTER, AMERICAN
LOOKDOWN
LUMPFISH
LUMPSUCKER, ATL SPNY
MACKEREL, ATLANTIC
MACKEREL, CHUB
MACKEREL, FRIGATE
MACKEREL, KING
MACKEREL, NK
MACKEREL, SNAKE, NK
MACKEREL, SPANISH
MENHADEN, ATLANTIC
MOLA, NK
MOLA, OCEAN SUNFISH
MOLLUSK, NK
MONKFISH (ANGLER, GOOSEFISH)
MOONFISH, ATLANTIC
MULLET, STRIPED
MUMMICHOG
MUSSEL, NK
NEEDLEFISH, ATLANTIC
OCEAN POUT
OCTOPUS, NK
OPAH
OYSTER, COMMON
PERCH, WHITE
PERIWINKLE, COMMON
PIGFISH
PINFISH
PIPEFISH/SEAHORSE,NK
POLLOCK
POMPANO, FLORIDA
PORGY, NK
PUFFER, NK (BURRFISH)
PUFFER, NORTHERN
QUAHOG, HARD SHELL CLAM
QUAHOG, OCEAN (BLACK CLAM)
RAVEN, SEA
RAY, BULLNOSE
RAY, BUTTERFLY, NK
RAY, BUTTERFLY, SMOOTH
RAY, BUTTERFLY, SPINY
RAY, COWNOSE
RAY, EAGLE, NK
RAY, NK
RAY, TORPEDO
RAY,MANTA, ATLANTIC
RAY,MANTA,NK
REDFISH, NK (OCEAN PERCH)
REMORA, NK
RIBBONFISH, NK
ROCKLING, FOURBEARD
ROCKWEED, NK
ROSEFISH,BLACK BELLY
ROUGHY, BIG
RUNNER, BLUE
SALMON, ATLANTIC
SAND DOLLAR
SAURY, ATLANTIC
SCAD, BIGEYE
SCAD, MACKEREL
SCAD, ROUGH
SCALLOP, BAY
SCALLOP, ICELANDIC
SCALLOP, NK
SCALLOP, SEA
SCORPIONFISH, NK
SCULPIN, LONGHORN
SCULPIN, NK
SCUP
SEA BASS, BLACK
SEA BASS, NK
SEA CUCUMBER, NK
SEA PANSY
SEA POTATO
SEA ROBIN, ARMORED
SEA ROBIN, NK
SEA ROBIN, NORTHERN
SEA ROBIN, STRIPED
SEA SQUIRT, NK
SEA URCHIN, NK
SEATROUT (WEAKFISH), SPOTD
SEATROUT, NK
SEAWEED, NK
SHAD, AMERICAN
SHAD, GIZZARD
SHAD, HICKORY
SHANNY, NK
SHARK, ATL ANGEL
SHARK, ATL SHARPNOSE
SHARK, BASKING
SHARK, BIGNOSE
SHARK, BLACK TIP
SHARK, BLACKNOSE
SHARK, BLUE (BLUE DOG)
SHARK, BLUNTNOSE SIXGILL
SHARK, BONNETHEAD
SHARK, CARCHARHIN,NK
SHARK, DUSKY
SHARK, FINETOOTH
SHARK, HAMMERHEAD, SCALLOPED
SHARK, HAMMERHEAD, SMOOTH
SHARK, HAMMERHEAD,NK
SHARK, MAKO, NK
SHARK, MAKO, SHORTFIN
SHARK, NK
SHARK, NURSE
SHARK, PELAGIC

Appendix Table 4, continued. Individual species (in alphabetical order) encountered in Northeast Fisheries Observer Program trips, by species reported in weight and species reported in number, during July 2007 through June 2010. Individual species listed reflects the unique species codes used by observers.

SHARK, PORBEAGLE (MACKEREL SHARK)
SHARK, SAND TIGER
SHARK, SANDBAR (BROWN SHARK)
SHARK, SEVENGILL SHARPNOSE
SHARK, SILKY
SHARK, SMALLTOOTH SAND TIGER
SHARK, SPINNER
SHARK, THRESHER
SHARK, THRESHER, BIGEYE
SHARK, TIGER
SHARK, WHITE
SHEEPSHEAD
SHELLFISH, NK
SHORTSPINE BOARFISH
SHRIMP, MANTIS
SHRIMP, NK
SHRIMP, PANDALID (NORTHERN)
SHRIMP, PANDALID, NK (NORTHERN)
SHRIMP, PENAEID (SOUTHERN)
SHRIMP, ROYAL RED
SHRIMP, SCARLET
SHRIMP, SHORE, NK
SILVERSIDE, ATLANTIC
SILVERSIDE, NK
SKATE, BARNDOOR
SKATE, CLEARNOSE
SKATE, LITTLE
SKATE, NK
SKATE, ROSETTE
SKATE, SMOOTH
SKATE, THORNY
SKATE, WINTER (BIG)
SLENDER SNIPEFISH
SMELT, RAINBOW
SNAIL, MOONSHELL, NK
SNAIL, NK
SNAKEBLENNY
SNAPPER, NK
SNAPPER, VERMILLION
SNIPEFISH, LONGSPINE
SNIPEFISH, NK
SPADEFISH
SPONGE, NK
SPOT
SQUID, ATL LONG-FIN
SQUID, NK
SQUID, SHORT-FIN
SQUIRRELFISH, NK
STARFISH, BRITTLE,NK
STARFISH, SEASTAR,NK
STARGAZER, NK
STINGRAY, ATLANTIC
STINGRAY, BLUNTNOSE
STINGRAY, NK
STINGRAY, ROUGHTAIL
STINGRAY, SOUTHERN
STURGEON, ATLANTIC
STURGEON, NK
SWORDFISH
TAUTOG (BLACKFISH)
TILEFISH, BLUELINE
TILEFISH, GOLDEN
TILEFISH,NK
TOADFISH, NK
TOADFISH, OYSTER
TRIGGERFISH, NK (LEATHERJACKET)
TUNA, ALBACORE
TUNA, BIG EYE
TUNA, BLUEFIN
TUNA, LITTLE (FALSE ALBACORE)
TUNA, NK
TUNA, SKIPJACK
TUNA, YELLOWFIN
TURTLE, TERRAPIN [23]
WEAKFISH (SQUETEAGUE SEA TROUT)
WHELK, CHANNELED (SMOOTH)
WHELK, KNOBBED
WHELK, LIGHTNING
WHELK, NK, CONCH
WHITING, BLACK (HAKE, OFFSHORE)
WOLFFISH, ATLANTIC
WOLFFISH, NORTHERN
WORM, BLOOD
WORM, NK
WRECKFISH
WRYMOUTH

Individual species reported in numbers

BIRD, NK
CORMORANT, DBL CREST
CORMORANT, NK
DOLPHIN, BOTTLENOSE
DOLPHIN, RISSO'S
DOLPHIN, WHITESIDED
DOLPHIN,COMMON (FORMERLY SADDLEBACK
DOVEKIE
EIDER, COMMON
FULMAR, NORTHERN
GANNET, NORTHERN
GREBE, HORNED
GULL, GREAT BLK-BACK
GULL, HERRING
GULL, NK
KITTIWAKE, BLK-LEGGD
LOON, COMMON
LOON, NK
LOON, RED-THROATED
MURRE, THIN-BILLED
PELICAN, BROWN
PORPOISE, HARBOR
PORPOISE/DOLPHIN, NK
SCOTER, BLACK

[23] Freshwater turtles are reported in weight while sea turtles are reported in numbers.

Appendix Table 4, continued. Individual species (in alphabetical order) encountered in Northeast Fisheries Observer Program trips, by species reported in weight and species reported in number, during July 2007 through June 2010. Individual species listed reflects the unique species codes used by observers.

SCOTER, SURF
SEAL, GRAY
SEAL, HARBOR
SEAL, HARP
SEAL, NK
SHEARWATER, GREATER
SHEARWATER, NK
SHEARWATER, SOOTY
STORM PETREL, NK
STORM PETREL, WILSON
TURTLE, GREEN
TURTLE, KEMP'S RIDLEY
TURTLE, LEATHERBACK
TURTLE, LOGGERHEAD
TURTLE, NK HARD-SHELL
WHALE, HUMPBACK
WHALE, MINKE
WHALE, PILOT, NK

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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.

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Resource Survey Report (formerly *Fishermen's Report*) -- This information report is a regularly-issued, 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. This report undergoes internal review, but receives no technical or copy editing.

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