NOAA FISHERIES SERVICE

NORTHEAST REGIONAL OFFICE

FDSD Publications

Sector Manager Report: Standards Guide Fishing Year 2010

Revision 1.2

NOAA

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Introduction

This document outlines the standards that a sector manager must use in producing the Sector Manager Report.

NOAA's National Marine Fisheries Service (NMFS) has developed standards for the Sector Manager Report, which is listed in Amendment 16 to the Northeast (NE) Multispecies Fishery Management Plan (FMP) as a requirement for sectors.

It is the responsibility of individual sectors to submit weekly reports to NMFS stating the remaining balance of Allocated Catch Entitlement (ACE) for each sector based upon regulated species landings and discards of vessels participating in that sector and any compliance or enforcement concerns.

Regulatory Basis

The New England Fishery Management Council (NEFMC) develops Fisheries Management Plans (FMPs) that meet the requirements of the Magnuson-Stevens Fishery Conservation and Management Act (Magnuson-Stevens Act) and other legislative mandates. The Northeast Multispecies FMP specifies management measures for northeast multispecies (groundfish) and their associated stocks off the New England and Mid-Atlantic coasts. Amendment 16 to the Northeast Multispecies FMP specifies, in part, revisions to management measures, including significant revisions to the sector management measures.

See the Final Rule for Amendment 16 published in the Federal Register for a complete description of Amendment 16:
http://www.nero.noaa.gov/nero/regs/frdoc/10/10MultiAmend16FR.pdf

Specifically, Part 648.87 (b) (1) (vi) (B) of the above document lists information that must be included in the Sector Manager Report. That information includes:

- Week ending date
- Species
- Stock area
- Gear
- Number of trips
- Reported landings (landed pounds and live pounds)
- Discards (live pounds)
- Total catch (live pounds)
- Status of the Sector's ACE (pounds remaining and percent remaining)
- New or updated record indicator (is sector catch for each NE multispecies stock allocated to that particular sector?)
- Sector enforcement issues (including any discrepancies noted by dockside or roving monitors between dealers and offloads)
- Summary of offloads witnessed by dockside or roving monitors for that reporting week
- List of vessels landing for that reporting week

Sector Manager Report Contents

The SIMM upload files comprise the sector manager report. NOAA's National Marine Fisheries Service (NMFS) has developed standards for the sector manager report, which is listed as a requirement for sectors in Amendment 16 to the Northeast (NE) Multispecies Fishery Management Plan (FMP).

It is the responsibility of individual sectors to submit reports to NMFS stating the remaining balance of Allocated Catch Entitlement (ACE) for each sector based upon regulated species landings and discards of vessels participating in that sector and any compliance or enforcement concerns.

Content

The Sector Manager Report comprises three separate reports. The sector manager uploads these reports to NMFS. These reports are:

- Sector Manager Detail Report

  The Sector Manager Detail Report provides NMFS with information about each fishing trip down to the sub-trip level.

- Sector Manager Trip Issue Report

  The Sector Manager Trip Issue Report provides NMFS with information about any enforcement or reporting compliance issues that arose during the fishing week.

- One of the following:
  - Sector Manager ACE Status Report

    The ACE Status Report provides the means for sector managers to report their ACE status calculations. This allows NMFS to cross-check totals, as stipulated in Amendment 16.

  - Sector Manager Daily ACE Status Report

    The Daily ACE Status Report provides the means for sector managers to report their ACE status calculations on a daily basis if *either* of two "trigger points" (thresholds) has been reached in the current fishing year.

Note: See the section Timeline for the timing requirements of the Sector Manager Report.

Sector Manager Detail Report

The Sector Manager Detail Report provides information down to the sub-trip level about each sector trip for a given week, regardless of the completeness of the data. The information includes stock, gear, mesh categories, landing amounts, discards, and total catch. Table 1 documents the Detail Report field definitions.

Table 1: Detail Report Fields

Common Variable Name	Variable Name	Description	Type	Record	Col. No.
Week Ending Date	WED	The Saturday ending the last week included in the report. This date should be the same in all rows of the report.	DATE	DETRPT	1
Sector Name	SECTOR_NAME	NERO sector name as listed on SIMM.	VARCHAR2 (70)	DETRPT	2
Vessel Permit Number	PERMIT	Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). 000000=no permit or no vessel, check hull number; 190998=Unknown undertonnage vessel; 390998=Unknown tonnage vessel.	VARCHAR2 (6)	DETRPT	3
eVTR Trip ID	EVTR_TRIP_ID	If eVTR is used.	VARCHAR2 (14)	DETRPT	4
VTR serial number	VTRSERNO	First page of the VTR serial number. Provided as universal Trip ID.	VARCHAR2 (8)	DETRPT	5
Date Sold	DATE_SOLD	The date of first sale of a sector trip's catch to a seafood dealer. Subsequent sales will be rolled up to this date to form a complete trip. This is the date for which the discard rate is effective for the trip. This date could be either the dealer receipt / sold to date, the VTR date sold, or the observer-reported landing date in order of precedence.	DATE	DETRPT	6
Landing source	DEAL_DATA_SRC	Code for source of landing data (landed weight of catch). Values: ASM = assumed, DLR = dealer, VTR = vessel, VMS = catch report.	VARCHAR2 (3)	DETRPT	7
Area source	VESS_DATA_SRC	Code for source of area data (stock area fished and gear used). Values: ASM = assumed, DLR = dealer, VTR = vessel, VMS = catch report.	VARCHAR2 (3)	DETRPT	8
Observer data quality level	OBS_DATA_QUAL	Reserved for future use. Value = NULL.	VARCHAR2 (2)	DETRPT	9

Common Variable Name	Variable Name	Description	Type	Record	Col. No.
Trip Observed?	OBS_TRIP_ FLAG	Flag indicating if trip was observed or not observed. Y = observed, N = not observed.	VARCHAR2 (1)	DETRPT	10
Gear code	NEGEAR	The 3-character standard gearcode used on the VTR form.	VARCHAR2 (3)	DETRPT	11
Mesh category	MESH_CAT	"ELM" = Extra Large Mesh (greater than 8 inches), "LM" = Large Mesh (6 to 8 inches). ELM and LM only are applicable for gillnet gear. All other meshes are "NA". Consistent with discard rate strata.	VARCHAR2 (6)	DETRPT	12
Stock Area	STOCK_ID	Provided to identify Stock Area and link to SIMM data. Includes Georges' Bank east & west.	VARCHAR2 (15)	DETRPT	13
Species ITIS	SPECIES_ITIS	Species ITIS code fro the SIMM Dealer download table.	VARCHAR2 (11)	DETRPT	14
Landed weight	SPPLNDLB	Pounds landed for a given species. By species / market category. Should match dealer reported landings.	NUMBER	DETRPT	15
Live Weight	SPPLIVLB	Live weight of species landed by species category.	NUMBER	DETRPT	16
Quantity Discard	DISCARDED	Observed or calculated live pounds of species discarded.	NUMBER	DETRPT	17
ACE Deduction	ACE_DED	Total ACE deduction for stock, in live pounds.	NUMBER	DETRPT	18
Last Date Changed	REC_CHANGE_ DATE	Date last updated (null if new record).	DATE	DETRPT	19
Dockside monitored?	DSMFLAG	Flag indicating if trip was observed by dockside monitor. Y = Yes; N = No.	VARCHAR2 (1)	DETRPT	20
Enforcement issues?	ENFFLAG	Flag indicating if trip had any enforcement issues. Y = Yes; N = No. If "Y", must be documented in Trip Issue Report.	VARCHAR2 (1)	DETRPT	21

Sector Manager Trip Issue Report

The Sector Manager Trip Issue Report provides information about sector trips for a given week that have enforcement, data quality, or other issues. The sector manager submits one Issue Report per reporting period. Table 2 documents the Trip Issue Report field definitions.

Table 2: Trip Issue Report Fields

Common Variable Name	Variable Name	Description	Type	Record	Col. No.
Week Ending Date	WED	The Saturday ending the last week included in the report. This date should be the same in all rows of the report.	DATE	ENFRPT	1
Sector Name	SECTOR_ NAME	NERO sector name as listed on SIMM.	VARCHAR2 (70)	ENFRPT	2
Vessel Permit Number	PERMIT	Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). 000000 = no permit or no vessel, check hull number; 190998 = Unknown undertonnage vessel; 390998 = Unknown tonnage vessel.	VARCHAR2 (6)	ENFRPT	3
Trip identifier	TRIP_ID	Concatenated Identifier (Vessel permit # / mmddyyhh)	NUMBER	ENFRPT	4
Enforcement Issues	ENFRC	Sector manager notes any enforcement issues that have arisen during the week. Information would include the nature of the enforcement issue.	VARCHAR2 (1024)	ENFRPT	5
Discrepancies	DISCREP	Any discrepancies between reported and actual totals or trips. For example, a discrepancy noted by DSMs or roving monitors between dealers and offloads.	VARCHAR2 (1024)	ENFRPT	6
Other Issues	OTHER	Any other issues that NMFS personnel should be aware of in assessing sector operations.	VARCHAR2 (1024)	ENFRPT	7

Sector Manager ACE Status Report

The ACE Status Report provides the means for sector managers to report their ACE status calculations. This allows NMFS to cross-check totals, as stipulated in Amendment 16. Information includes the original ACE at the start of the fishing year, the current ACE, the ACE remaining for the current fishing year, and the percent harvested to date. Table 3 documents the ACE Status Report field definitions.

Note: The ACE Status Report includes one row per stock (columns identified below).

Table 3: ACE Status Report Fields

Common Variable Name	Variable Name	Description	Type	Record	Col. No.
Week Ending Date	WED	The Saturday ending the last week included in the report. This date should be the same in all rows of the report.	DATE	ACERPT	1
Sector Name	SECTOR_NAME	NERO sector name as listed on SIMM.	VARCHAR2 (70)	ACERPT	2
Stock Area	STOCK_ID	Provided to identify Stock Area and link to SIMM data. Includes Georges' Bank east & west.	VARCHAR2 (15)	ACERPT	3
Total Original ACE	ORIG_ACE	The total number of (live) pounds of this stock allocated to the sector at the start of the current fishing year.	NUMBER	ACERPT	4
Total Current ACE	CURR_ACE	ORIG_ACE and ACE transfers (plus or minus).	NUMBER	ACERPT	5
Harvested ACE	HARV_ACE	Summation of catch per stock caught on sector trips in FY2010.	NUMBER	ACERPT	6
Remaining ACE	RMNG_ACE	CURR_ACE minus HARV_ACE.	NUMBER	ACERPT	7
Percent Harvested ACE to Date	PCNT_ACE	HARV_ACE divided by CURR_ACE, expressed as percentage.	VARCHAR2(3)	ACERPT	8

Sector Manager Daily ACE Status Report

The Daily ACE Status Report provides the means for sector managers to report their ACE status calculations on a daily basis when *either* of two "trigger points" (thresholds) has been reached in the current fishing year:

- Reported catch/harvests of 80% of the ACE for any stock in the sector.
- Reported catch of 20% or more of the remaining portion of the ACE for any stock in the sector for two consecutive weeks.

  For example, if a sector in one week harvests 24% of the remaining ACE for Georges Bank winter flounder for that sector, and the following week harvests 21% of that remaining ACE, the sector has reached a reporting threshold, and the sector manager must submit an ACE Status daily report for winter flounder.

Table 4 documents the ACE Status Report field definitions. For more information about daily reporting, see *Preparing the Sector Manager Report*.

Note: The ACE Status Report includes one row per stock (columns identified below).

Table 4: Daily ACE Status Report Fields

Common Variable Name	Variable Name	Description	Type	Record	Col. No.
Submission Date	SUBD	Date the daily report is being submitted.	DATE	DLYRPT	1
Sector Name	SECTOR_NAME	NERO sector name as listed on SIMM.	VARCHAR2 (70)	DLYRPT	2
Stock Area	STOCK_ID	Provided to identify Stock Area and link to SIMM data. Includes Georges' Bank east & west.	VARCHAR2 (15)	DLYRPT	3
Total Original ACE	ORIG_ACE	The total number of (live) pounds of this stock allocated to the sector at the start of the current fishing year.	NUMBER	DLYRPT	4
Total Current ACE	CURR_ACE	ORIG_ACE and ACE transfers (plus or minus)	NUMBER	DLYRPT	5
Harvested ACE	HARV_ACE	Summation of catch per stock caught on sector trips in FY2010	NUMBER	DLYRPT	6
Remaining ACE	RMNG_ACE	CURR_ACE minus HARV_ACE	NUMBER	DLYRPT	7
Percent Harvested ACE to Date	PCNT_ACE	HARV_ACE divided by CURR_ACE, expressed as a percentage	VARCHAR2(3)	DLYRPT	8

Sector Information Management Module (SIMM) Requirements

This section of the Standards document will provide a brief description of SIMM, the various SIMM output record formats to sector managers, and the SMWR input format of the data to be provided to SIMM.

SIMM Functions

SIMM is the software interface between the sector manager and NMFS that allows the interchange of data between the two parties. SIMM provides the following functions:

- Sector information — Includes sector contact information such as name, address, and e-mail. Also includes roster information.
- Downloads — Allows sector managers to download data sources from NMFS for use in the Sector Manager Report. These data sources are listed in the section Data Sets (NMFS).
- Uploads — Allows sector managers to upload the Sector Manager Report to NMFS.
- ACE Transfer — Allows sector managers to transfer portions of ACE allowance among themselves, provided that the transferring parties are in compliance with regulations.
- Aggregates and displays the following:

- o Sum of the sector participants' Potential Sector Contributions (PSCs). A PSC is the proportion of the total landings of a particular groundfish stock in live pounds landed by (associated with) an individual MRI.
- o Annual Catch Limit (ACL) for each stock for the current fishing year. The ACL is the limit of each groundfish stock that can be harvested by all vessels during each fishing year.
- o Annual Catch Entitlement (ACE). The ACE is the sum of the PSCs for one stock for a sector multiplied by the commercial groundfish fishery ACL for that year.
- o List of missing VTRs.

File Upload Formats

This section documents the valid file formats for the Trip Issue, Detail, and ACE Status reports that make up the Sector Manager Report. (The data formats for these reports are listed in the section Sector Manager Report Contents.)

The information can be in the following formats:

- Microsoft® Excel (.xls)
- Comma Separated Values (.csv)

File Download Formats

This section documents the data formats of the data that NMFS posts on SIMM for the sector managers to download:

The files can be downloaded in the following formats:

- Microsoft® Excel® (.xls)
- Comma Separated Values (.csv)
- Extensible Markup Language (.xml)

Data Sets (NMFS)

The data that NMFS posts on SIMM for use by sector managers in preparing their reports include:

- Sector Roster
- Allocation Management System (AMS) data
- Observer
- VMS catch reports
- Discard rates
- VTR data
- Dealer data
- Discards
- Trips with observers
- DAS balance reports

For each data source, NMFS allows the sector manager to select the fields they want for those NMFS provides, the order in which they are presented in the output file, and the date range.

Timeline

The following schedule applies for submitting Sector Manager Reports to NMFS. More frequent reporting cycles will be required as the sector approaches its ACE. Table 5 shows the milestones in the Sector Manager Report timeline.

Table 5: Sector Manager Report Timeline

Time Period / Deadline	Action
Monday 00:00:00 to Tuesday 12:00:00	Sector Managers and NMFS reconcile differences in data from previous week.
Tuesday 23:59:59	Dealers have submitted their reports to NMFS.
Tuesday 23:59:59	Groundfish vessels have submitted their VTRs to NMFS.
Wednesday 12:00:00	Sector Managers can download Dealer Reports, Discard Rates, and Observer / ASM data from SIMM.
Thursday 23:59:59	Sector Managers upload Sector Manager Report to SIMM.

Sectors submit their reports weekly unless one of the following conditions occurs:

- Cumulative catch for any of its allocated species reaches 80% of the ACE.
- Weekly catch is 20% or greater of the ACE for two consecutive weeks.

If either of these conditions is met, sector managers must prepare and submit their reports daily.

Calculation Tools

This section documents the arithmetic and statistical tools that will be used to ensure the integrity of the data that are processed for the Sector Manager Report and the NMFS sector report.

Stock Apportionment Matrix

Under Amendment 16, sector managers have no authority to require seafood dealers to submit their reports weekly. Non-compliance on the part of dealers will require sector managers (and NMFS) to monitor ACE despite missing information. In the absence of dealer data, a standard method needs to be employed to estimate the stock removals on a temporary basis until the dealer data become available.

For detailed information, see "A Standard Method to Apportion Groundfish Catch to Stock Area for the Purpose of Real Time Quota Monitoring under Amendment 16," Northeast Fisheries Science Center Reference Document 10-02.

- http://www.nefsc.noaa.gov/publications/crd/crd1002/index.html

Discard Estimation Methodology

Discard calculations follow two different methods, one for observed trips and one for unobserved trips. These methods will be applied to Common Pool and Sector trips. You can find more information about discard estimation in the document, "How Discards Are Calculated for Groundfish Sectors and the Common Pool" on the NERO web site.

Conversion Standards

This section documents the procedures for Unit Conversion, Rounding, and Decimal Places in the compilation of sector data at the Northeast Regional Office (NERO) of the National Marine Fisheries Service (NMFS). In an effort to maintain accuracy and consistency in sector data calculations, the Fisheries Statistics Office (FSO) of NERO has established the following statements and procedures for determining the number of decimal places used in, and the rounding of, sector data results.

- When necessary, the factor used to convert from metric tons to pounds is:
  - One metric ton = 2204.62262 pounds
  - One pound = 0.00045359237 metric tons

  This is the same conversion used by NMFS Northeast Fisheries Science Center (NEFSC) for converting pounds to metric tons for stock assessments. FSO will use the same conversion factor to maintain consistency with NEFSC data calculations. In addition, the National Institute of Standards and Technology (NIST) has established this factor as the standard conversion factor.

- Data is initially extracted from NMFS databases, where landings in live pounds are stored as whole pounds without decimal places.

- The calculation of the Potential Sector Contribution (PSC) uses the data in live pounds without predetermining decimal places. Display of PSC data will be in percentage with seven decimal places (nine decimal places if using the PSC in the form of a proportion). Note that 0.005% is 0.00005 when expressed as a proportion.

- To determine the number of decimal places for the PSC output, one pound was divided by the quota (in pounds) of the largest stock (e.g., Georges Bank haddock for groundfish sectors in FY2010). The result as a proportion was nine significant digits, which will be the number of decimal places used for PSC values for all stocks.

  The rationale behind this approach is that dividing one pound by the largest stock to determine the PSC decimal places will ensure that all stocks will have PSCs values that distinguish between zero and extreme low values that are greater than zero.

- The Annual Catch Limit (ACL) given to NERO is converted to pounds for ACE calculation. The ACL is used to calculate the sector Annual Catch Entitlement (ACE) for a stock by multiplying the stock's ACL by the sum of the PSCs for all vessels in a sector for that stock.

- The ACL and ACE are presented in live pounds and rounded to the nearest whole pound without decimal places. Values ≥ 0.5 are rounded up, and values < 0.5 are rounded down.

Converting Landed Weight to Live Weight

Conversion factors include the concept of "calculated live weight." Sector managers must convert landed fish weight to live weight (in pounds). This is required because sector ACEs are calculated in live pounds.

Converting weight is a standard task in processing dealer data. The conversion factors for species may be found at the following File Transfer Protocol (FTP) site:

ftp://ftp.nefsc.noaa.gov/pub/dropoff/evtr_support/

The conversion factors are in column labeled CF_LANDED_LIVE in the MS Excel spreadsheet table SPECIES_ITIS_VTR_NESPP4.xls.

Users log in to the FTP site as Guest.

Coding Tables

This section provides the data sources of the coding tables to sector managers in order to support their data systems. Table 6 documents the relevant coding tables.

Table 6: Coding Tables

SIMM Field	Name	Description	Source
AMS data output	DEC_CODE	Days at sea declaration code	AMS.DAS_ACTIVITY_ CODES
Dealer data output	PORTLAND	The 6 char code of the port, including state, in which vessel offloads its catch. See PORT table.	SOLE.CFDBS.PORT
Dealer data output	PORTNM	The name corresponding to the 6-character port code.	SOLE.CFDBS.PORT
Dealer data output	STATE	The 2 character alpha state code (CT, DE, MA, MD, ME, NC, NH, NJ, NY, RI, VA).	SOLE.CFDBS.PORT
Dealer data output	NESPP3	The Northeast Species code. Available in both dealer databases and VTR databases. Provided to link to either dealer database or VTR database. See "SPPCODE_Table"	SOLE.CFDBS.CFSPP

SIMM Field	Name	Description	Source
Dealer data output	NESPP4	The 4-digit Northeast Species code; the fourth digit represents market category. See CFDBS Species Table (CFSPP) for actual codes. For discard species in the CFDISCyyyy and WODISCyy views, NESPP4 is redefined as NESPP3 preceded by a 9, e.g. yellowtail flounder is 9123.	SOLE.CFDBS.CFSPP
Dealer data output	MARKET_CODE	Market code to indicate the market category for a species sold to a dealer. See CFDBS.SAFISMARKET for category descriptions.	SOLE.CFDBS.CFSPP
Dealer data output	GRADE_CODE	Species grade code used by ACCSP. See CFDBS.SAFISGRADE for code descriptions.	SOLE.CFDBS.CFSPP
Dealer data output	SPECIES_ITIS	The Integrated Taxonomic Information System (ITIS) serial number for a species. See the SPECIES_ITIS_NE table for a description of the codes.	SOLE.CFDBS.CFSPP
Dealer data output	SPPNM	Species common name.	SOLE.CFDBS.CFSPP
Daily discard rates	SECTOR_ID	NERO sector ID. For NERO internal use only. NULL value.	—
Daily discard rates	SECTOR_NAME	NERO sector name as it appears in SIMM.	MQRS.SECTOR
Daily discard rates	NESPP3	The Northeast Species code. Available in both dealer databases and VTR databases. Provided to link to either dealer database or VTR database. See "SPPCODE_Table".	SOLE.CFDBS.CFSPP

SIMM Field	Name	Description	Source
Daily discard rates	SPPCODE	VTR Species code. Available in VTR database. Provided to describe species in English. See "SPPCODE_Table".	SOLE.CFDBS.CFSPP
Daily discard rates	SPECIES_ITIS	The Integrated Taxonomic Information System (ITIS) serial number for a species. See the SPECIES_ITIS_NE table for a description of the codes.	SOLE.CFDBS.CFSPP
Daily discard rates	SPPNM	Species common name.	SOLE.CFDBS.CFSPP
Daily discard rates	STOCK_ID	Stock Area code consistent with strata. Provided to identify Stock Area and link to SIMM data. Includes Georges' Bank east & west	NOVA.OBDBS.OBSPECIESSTOCKAREA
Daily discard rates	SECGEARFISH	Summary gear codes: PTF, GNS, HND, OTF, LLB	Assumed Rate Table
Daily discard rates	MESH_CAT	"ELM" = Extra Large Mesh (greater than 8 inches), "LM" = Large Mesh (6 to 8 inches). ELM and LM only are applicable for gillnet gear. All other meshes are "NA". Consistent with discard rate strata.	Assumed Rate Table
Daily discard rates	OTHER_STRATA	Codes: EAFLYTSP (Yellowtail flounder SAP trawl gear stratum) or NA (not applicable)	NERO.FSO.T_OBSERVER_DATA_OUTPUT
Daily discard rates	DISCARD_RATE	The discard rate that applies on the effective date. Provided to estimate discards on unobserved trips. Out to 5 digits after the decimal point.	NERO.FSO.T_OBSERVER_DISCARD_RATE

SIMM Field	Name	Description	Source
Daily discard rates	DISC_RATE_TYPE	Discard Rate Types. Types: • A (Assumed) • I (In-season) • T (Transition)	NERO.FSO.T_OBSERVER_DISCARD_RATE
Daily discard rates	STRATUM_LAST_CHANGED	The date this record was added or last changed. Provided to inform that a change has occurred in a discard rate.	NERO.FSO.T_OBSERVER_DISCARD_RATE
Daily discard rates	PROCESS_LAST_RUN	The date this job was last run. Provided to inform about job status.	NERO.FSO.T_OBSERVER_DISCARD_RATE
Daily discard rates	AUDIT_1	Audit fields. Provided to show how discard rate was calculated.	NERO.FSO.T_OBSERVER_DISCARD_RATE
Daily discard rates	AUDIT_2	Audit fields. Provided to show how discard rate was calculated.	NERO.FSO.T_OBSERVER_DISCARD_RATE
Discard observed trips	PERMIT	Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). 000000=no permit or no vessel, check hull number; 190998=Unknown undertonnage vessel; 390998=Unknown tonnage vessel.	ASMTRP_PRELIM.PERMIT1/ OBTRP.PERMIT1
Discard observed trips	RIGHT_ID	Moratorium Right ID. Available from MQRS database. Provided for reference.	MQRS.ACQUIRED_RIGHT_HOLD
Discard observed trips	HULLNUM	US Coast Guard or State Registration number for a vessel as it appears on the hull of the vessel.	ASMTRP_PRELIM. HULLNUM1/ OBTRP.HULLNUM1
Discard observed trips	VESSNAME	The vessel name registered with the U.S. Coast Guard, state or tribe.	ASMVESSEL.VESNAME

SIMM Field	Name	Description	Source
Discard observed trips	DATE_SOLD	The data of first sale of a sector trip's catch to a seafood dealer. Subsequent sales will be rolled up to this date to form a complete trip. This is the date the discard rate is effective for the trip. This date could be either the dealer receipt/sold to date, the VTR date sold, or the observer-reported landing date in order of precedence.	SOLE.VTR.CATCH/others
Discard observed trips	DATE_SOLD_SOURCE	Source of sold date. Values: DEALER, VTR, OBSCON	NERO.FSO.T_OBSERVER_ TRIP_DISCARD
Discard observed trips	VTRSERNO	First page of VTR serial number. Provided as universal trip ID.	ASMTRP_PRELIM. VTRSERNO/ OBTRP.VTRSERNO
Discard observed trips	DATE_SAIL	The month, day and year the vessel left the dock to go fishing. NOTE: if time is unknown it defaults to midnight in this field.	NOVA.OBDBS.OBTRP
Discard observed trips	TRIPID	May 1994 - current: 6 - character trip id; first three characters are the observer id number (obsid) and the second are the ordinal number of trips the observer has taken for the current year. 1989 - April 1994: Unique 6-character by month UNRELATED TO OBSERVER IDENTIFICATION NUMBERS 1989-1994	ASMSPP_PRELIM.LINK3 / ASMIAL_PRELIM.LINK3/ OBSPP.LINK3/ OBIAL.LINK3
Discard observed trips	LINK1	Key field linking tables at the trip level in the Observer database; made up of program + year + month + tripid. Appears as first 15 characters in all 'LINK' fields.	NOVA.OBDBS.OBHAU

SIMM Field	Name	Description	Source
Discard observed trips	DATE_LAND	Date vessel landed to offload catch. NOTE: if time is unknown it defaults to midnight in this field.	NOVA.OBDBS.OBTRP
Discard observed trips	SECTOR_ID	NERO sector id. For NERO internal use only. NULL value.	—
Discard observed trips	SECTOR_NAME	Name of sector. Available from SIMM. Provided for reference.	MQRS.SECTOR
Discard observed trips	STOCK_ID	Stock Area code consistent with strata. Provided to identify Stock Area and link to SIMM data. Includes Georges' Bank east & west	NOVA.OBDBS.OBSPECIESSTOCKAREA
Daily discard rates	SECGEARFISH	Summary gear codes: PTF, GNS, HND, OTF, LLB	Assumed Rate Table
Daily discard rates	MESH_CAT	"ELM" = Extra Large Mesh (greater than 8 inches), "LM" = Large Mesh (6 to 8 inches). ELM and LM only are applicable for gillnet gear. All other meshes are "NA". Consistent with discard rate strata.	Assumed Rate Table
Daily discard rates	OTHER_STRATA	Codes: EAFLYTSP (Yellowtail flounder SAP trawl gear stratum) or NA (not applicable)	NERO.FSO.T_OBSERVER_DATA_OUTPUT
Discard observed trips	CVRGFLAG	Flag indicating 100% observer coverage on trip. Provided to show if total discard should equal observed discard. Two values: "1" means 100% observer coverage of hauls; "0" means less than 100% observer coverage.	NOVA.OBDBS.OBHAU

SIMM Field	Name	Description	Source
Discard observed trips	NESPP3	The Northeast Species code. Available in both dealer databases and VTR databases. Provided to link to either dealer database or VTR database. See "SPPCODE_Table"	SOLE.CFDBS.CFSPP
Discard observed trips	SPPCODE	VTR Species code. Available in VTR database. Provided to describe species in English. See "SPPCODE_Table"	SOLE.CFDBS.CFSPP
Discard observed trips	SPECIES_ITIS	The Integrated Taxonomic Information System (ITIS) serial number for a species. See the SPECIES_ITIS_NE table for a description of the codes.	SOLE.CFDBS.CFSPP
Discard observed trips	SPPNM	Species common name.	SOLE.CFDBS.CFSPP
Discard observed trips	OBSERVED_DISCARD	The observed discard from the trip. Provided as discard for observed hauls of trip. NUMBER data type rounded to 0 digits after the decimal point.	NERO.FSO.T_OBSERVER_ TRIP_DISCARD
Discard observed trips	TOTAL_DISCARD	The total discards from the trip. Provided as discard of observed hauls plus estimated discard from unobserved hauls of trip. If 100% observer coverage, will equal observed discard. NUMBER data type rounded to 0 digits after the decimal point.	NERO.FSO.T_OBSERVER_ TRIP_DISCARD
Discard observed trips	AUDIT_1	Audit fields. Provided to show how total discard was calculated.	NERO.FSO.T_OBSERVER_DISCARD_RATE

SIMM Field	Name	Description	Source
Discard observed trips	AUDIT_2	Audit fields. Provided to show how total discard was calculated.	NERO.FSO.T_OBSERVER_DISCARD_RATE
Discard observed trips	PROCESS_LAST_RUN	The date this job was last run. Provided to inform about job status.	NERO.FSO.T_OBSERVER_DISCARD_RATE
Observer Data	PERMIT	Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). 000000=no permit or no vessel, check hull number; 190998=Unknown undertonnage vessel; 390998=Unknown tonnage vessel.	ASMTRP_PRELIM.PERMIT1/ OBTRP.PERMIT1
Observer Data	RIGHT_ID	Moratorium Right ID. Available from MQRS database. Provided for reference.	MQRS.ACQUIRED_RIGHT_HOLD
Observer Data	HULLNUM	US Coast Guard or State Registration number for a vessel as it appears on the hull of the vessel.	ASMTRP_PRELIM. HULLNUM1/ OBTRP.HULLNUM1
Observer Data	VESSNAME	The vessel name registered with the U.S. Coast Guard, state or tribe.	ASMVESSEL.VESNAME
Observer Data	DEALNUM	The dealer permit number assigned by the Northeast Regional Office Permit System (PERMIT). 00000=Unknown.	SOLE.CFDBS.CFDERS
Observer Data	DEALNAME	Dealer name	SOLE.CFDBS.CFDERS
Observer Data	PROGRAM	First three digits of links. Code that identifies program, see OBPROGRAM table.	NOVA.OBDBS. OBPROGRAM
Observer Data	VTRSERNO	First page of VTR serial number. Provided as universal trip ID.	ASMTRP_PRELIM. VTRSERNO/ OBTRP.VTRSERNO

SIMM Field	Name	Description	Source
Observer Data	FLEETID	Code to indicate the type of trip being observed. See OBFLEET table for a list of codes.	NOVA.OBDBS. OBFLEET
Observer Data	TRIPID	May 1994 - current: 6 - character trip id; first three characters are the observer id number (obsid) and the second are the ordinal number of trips the observer has taken for the current year. 1989 - April 1994: Unique 6-character by month UNRELATED TO OBSERVER IDENTIFICATION NUMBERS 1989-1994	ASMSPP_PRELIM.LINK3 / ASMIAL_PRELIM.LINK3/ OBSPP.LINK3/ OBIAL.LINK3
Observer Data	TARGSPEC1	NESPP4 for any of the species named by captain as targeted for haul or trip; named before haul or trip, not after. Not necessarily same as majority of catch. May differ by haul or gear. Not collected prior to 5/1994; all set to unknown finfish unless scallop trip.	SOLE.CFDBS.CFSPP
Observer Data	TARGSPEC2	NESPP4 code for any of the species named by captain as targeted for haul or trip; named before haul or trip, not after. Not necessarily same as majority of catch. May differ by haul or gear.	SOLE.CFDBS.CFSPP
Observer Data	OBSRFLAG	Indicator of whether haul was observed for discards (all hauls are observed for catch except for offwatch (sdo, sto, cdo) hauls). 0=no; 1=yes.	NOVA.OBDBS.OBTRPHAU
Observer Data	AREA	NAFO Statistical Area	SOLE.CFDBS.AREA

SIMM Field	Name	Description	Source
Observer Data	DATESAIL	The month, day and year the vessel left the dock to go fishing. NOTE: if time is unknown it defaults to midnight in this field	NOVA.OBDBS.OBTRIP
Observer Data	DATELAND	Date vessel landed to offload catch. NOTE: if time is unknown it defaults to midnight in this field	NOVA.OBDBS.OBTRIP
Observer Data	HAULNUM	Ordinal number of haul within the trip; 4 characters beginning at position 16 of link3.	NOVA.OBDBS.OBHAU
Observer Data	SOAKDUR	Fixed gear only. Amount of time that the gear for haul is in the water, to the nearest tenth of an hour (haul begin - set end).	NOVA.OBDBS.OBHAU
Observer Data	NEGEAR	A 3-digit code to indicate the standard Northeast gearcode used in the observer and commercial fisheries databases.	SOLE.CFDBS.GEAR
Observer Data	GEARNUM	Sequential number assigned to gear number, unique by trip.	NERO.VTR.VLGEAR
Observer Data	GEARCODE	VTR Gear code; see VLGEAR table for codes	NERO.VTR.VLGEAR
Observer Data	MESH_CAT	"ELM" = Extra Large Mesh (greater than 8 inches), "LM" = Large Mesh (6 to 8 inches). ELM and LM only are applicable for gillnet gear. All other meshes are "NA". Consistent with discard rate strata.	Assumed Rate Table
Observer Data	STOCK_ID	Provided to identify Stock Area and link to SIMM data. Includes Georges' Bank east & west	NOVA.OBDBS.OBSPECIESSTOCKAREA

SIMM Field	Name	Description	Source
Observer Data	PORTLAND	The 6-char code of the port, including state, in which vessel offloads its catch. See PORT table.	SOLE.CFDBS.PORT
Observer Data	PORTNM	The name corresponding to the 6-character port code	SOLE.CFDBS.PORT
Observer Data	STATEABB	The 2 character alpha state code (CT, DE, MA, MD, ME, NC, NH, NJ, NY, RI, VA).	SOLE.CFDBS.PORT
Observer Data	NESPP4	The 4-digit Northeast Species code; the fourth digit represents market category. See CFDBS Species Table (CFSPP) for actual codes. For discard species in the CFDISCyyyy and WODISCyy views, NESPP4 is redefined as NESPP3 preceded by a 9, e.g., yellowtail flounder is 9123.	SOLE.CFDBS.CFSPP
Observer Data	SPECIES_ITIS	The Integrated Taxonomic Information System (ITIS) serial number for a species. See the SPECIES_ITIS_NE table for a description of the codes.	SOLE.CFDBS.CFSPP
Observer Data	SPPNM	Species common name.	SOLE.CFDBS.CFSPP
Observer Data	CATDISP	Indicates if the catch from which the sample was taken was: 0=discarded, 1=kept.	SOLE.CFDBS
Observer Data	HAILWT	The hail weight (fisherman's estimate) of species/mkt sampled in hundreds of pounds.	SOLE.CFDBS
Observer Data	CALCLIVEWT	The result of the calculation that converts landed weight to live weight	NOVA.OBDBS.SECTORCAT

SIMM Field	Name	Description	Source
Observer Data	EVTR_TRIPID	Electronic VTR Trip ID	ASMTRP_PRELIM.EVTR_TRIPID/ OBTRP.EVTR_TRIPID
Vessel Trip Report	PERMIT	Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). 000000=no permit or no vessel, check hull number; 190998=Unknown undertonnage vessel; 390998=Unknown tonnage vessel.	ASMTRP_PRELIM.PERMIT1/ OBTRP.PERMIT1
Vessel Trip Report	RIGHT_ID	Moratorium Right ID. Available from MQRS database. Provided for reference.	MQRS.ACQUIRED_RIGHT_HOLD
Vessel Trip Report	HULLNUM	US Coast Guard or State Registration number for a vessel as it appears on the hull of the vessel.	ASMTRP_PRELIM. HULLNUM1/ OBTRP.HULLNUM1
Vessel Trip Report	VESSNAME	The vessel name registered with the U.S. Coast Guard, state or tribe.	ASMVESSEL.VESNAME
Vessel Trip Report	DEALNUM	The dealer permit number assigned by the Northeast Regional Office Permit System (PERMIT). 00000=Unknown.	SOLE.CFDBS
Vessel Trip Report	DEALNAME	Dealer name	SOLE.CFDBS
Vessel Trip Report	PORTLAND	The 6 char code of the port, including state, in which vessel offloads its catch. See PORT table.	SOLE.CFDBS.PORT
Vessel Trip Report	PORTNM	The name corresponding to the 6-character port code.	SOLE.CFDBS.PORT
Vessel Trip Report	STATE	The 2 character alpha state code (CT, DE, MA, MD, ME, NC, NH, NJ, NY, RI, VA).	SOLE.CFDBS.PORT

SIMM Field	Name	Description	Source
Vessel Trip Report	PORT2	Name of second port landed. Concatenate with State2 for full location definition.	SOLE.CFDBS.PORT
Vessel Trip Report	STATE2	Second State Landed; The 2 character alpha state code (CT, DE, MA, MD, ME, NC, NH, NJ, NY, RI, VA).	SOLE.CFDBS.PORT
Vessel Trip Report	OPERATOR_NUM	Operator name	NERO.NOAA.DOCUMENT
Vessel Trip Report	OPERATOR_NAME	Operator number	NERO.NOAA.DOCUMENT
Vessel Trip Report	VTRSERNO	First page of VTR serial number. Provided as universal trip ID.	ASMTRP_PRELIM. VTRSERNO/ OBTRP.VTRSERNO
Vessel Trip Report	GEARCODE	VTR Gear code; see VLGEAR table for codes	NERO.VTR.VLGEAR
Vessel Trip Report	MESH_CAT	"ELM" = Extra Large Mesh (greater than 8 inches), "LM" = Large Mesh (6 to 8 inches). ELM and LM only are applicable for gillnet gear. All other meshes are "NA". Consistent with discard rate strata.	Assumed Rate Table
Vessel Trip Report	AREA	NAFO Statistical Area from charts provided with VTR forms.	SOLE.CFDBS.AREA
Vessel Trip Report	STOCK_ID	Stock Area code consistent with strata. Available in NERO schema. Provided to identify Stock Area and link to SIMS data. Includes Georges' Bank east & west	NOVA.OBDBS.OBSPECIESSTOCKAREA.
Vessel Trip Report	DATE_SOLD	The day the catch was sold.	SOLE.VTR.CATCH/others
Vessel Trip Report	DATE_SAIL	The day the vessel left the dock to go fishing.	SOLE.VTR.CATCH/others
Vessel Trip Report	DATE_LAND	Day the vessel landed to off load catch.	SOLE.VTR.CATCH/others

SIMM Field	Name	Description	Source
Vessel Trip Report	NESPP3	The Northeast Species code. Available in both dealer databases and VTR databases. Provided to link to either dealer database or VTR database. See "SPPCODE_Table"	SOLE.CFDBS.CFSPP
Vessel Trip Report	NESPP4	The 4-digit Northeast Species code; the fourth digit represents market category. See CFDBS Species Table (CFSPP) for actual codes. For discard species in the CFDISCyyyy and WODISCyy views, NESPP4 is redefined as NESPP3 preceded by a 9, e.g. yellowtail flounder is 9123.	SOLE.CFDBS.CFSPP
Vessel Trip Report	SPPCODE	VTR Species code. Available in VTR database. Provided to describe species in English. See "SPPCODE_Table"	SOLE.VTR.SPPCODE
Vessel Trip Report	SPECIES_ITIS	The Integrated Taxonomic Information System (ITIS) serial number for a species. See the SPECIES_ITIS_NE table for a description of the codes.	SOLE.CFDBS.CFSPP
Vessel Trip Report	SPPNM	Species common name.	SOLE.CFDBS.CFSPP
Vessel Trip Report	KEPT	Amount of catch kept (Commercial = pounds; Party/Charter = count)	SOLE.VTR
Vessel Trip Report	DISCARDED	Amount of catch discarded (Commercial = pounds; Party/Charter = count)	SOLE.VTR

SIMM Field	Name	Description	Source
VMS Catch Report	PERMIT_NBR	Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). 000000=no permit or no vessel, check hull number; 190998=Unknown undertonnage vessel; 390998=Unknown tonnage vessel.	NERO.FSO.VMS_A16_ MULTS_CATCH_REPORT
VMS Catch Report	VTR_SERIAL_NUMBER	First page of the VTR serial number. Provided as universal trip id.	NERO.FSO.VMS_A16_ MULTS_CATCH_REPORT
VMS Catch Report	DATE_CAUGHT_ MONTH	Month during which the catch was made.	NERO.FSO.VMS_A16_ MULTS_CATCH_REPORT
VMS Catch Report	DATE_CAUGHT_DAY	Day during which the catch was made.	NERO.FSO.VMS_A16_ MULTS_CATCH_REPORT
VMS Catch Report	STAT_AREA	NAFO Statistical Area from charts provided with VTR forms.	NERO.FSO.VMS_A16_ MULTS_CATCH_REPORT
VMS Catch Report	NESPP3	The Northeast Species code; species kept.	NERO.FSO.VMS_A16_ MULTS_CATCH_REPORT
VMS Catch Report	POUNDS_KEPT	Amount of catch kept (Commercial = pounds; Party/Charter = count)	NERO.FSO.VMS_A16_ MULTS_CATCH_REPORT

Trip Start Hail (TSH) / Trip End Hail (TEH)

TSH and TEH standards apply to the procedures that vessels use to declare the start and end, respectively, of a fishing trip. TSH and TEH are received by the dockside monitor, the sector manager, and the Office of Legal Enforcement (OLE) at NERO.

- The standards for TSH and TEH procedures appear in the document, "Instructions for Groundfish Sector Dockside Monitoring Hails," which has been distributed and appears in the "Background Information" section on the NERO web site for sector managers.

  http://www.nero.noaa.gov/sfd/SectorManagers.html

Appendix A: Sector ACEs for Eastern U.S./Canada GB Cod and Haddock

Amendment 16 specifies that only a certain portion of the ACE for the GB cod and GB haddock stocks can be harvested from the Eastern U.S./Canada Area. That portion is *proportional* to a sector's allocation of the ACL for these stocks.

For example, if a sector is allocated 10 percent of the GB cod ACL available to all vessels issued a limited access NE multispecies permit, that sector would also be allocated and may harvest 10 percent of that ACE from the Eastern U.S./Canada Area.

In this example, if the overall GB cod ACL available to all vessels issued a limited access NE multispecies permit is 1,000 metric tons (mt), of which 100 mt is specified to the Eastern U.S./Canada Area, the Sector would be allocated 100 mt of GB cod, of which no more than 10 mt could be harvested from the Eastern U.S./Canada Area and no more than 90 mt could be harvested from the rest of the GB cod stock area.

NMFS determines the Sector ACEs for Eastern U.S./Canada GB Cod and Haddock and provides this information in the SIMM interface.