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Preparing the
Sector Manager Report
Rev. 3.1

Fishing Year 2012

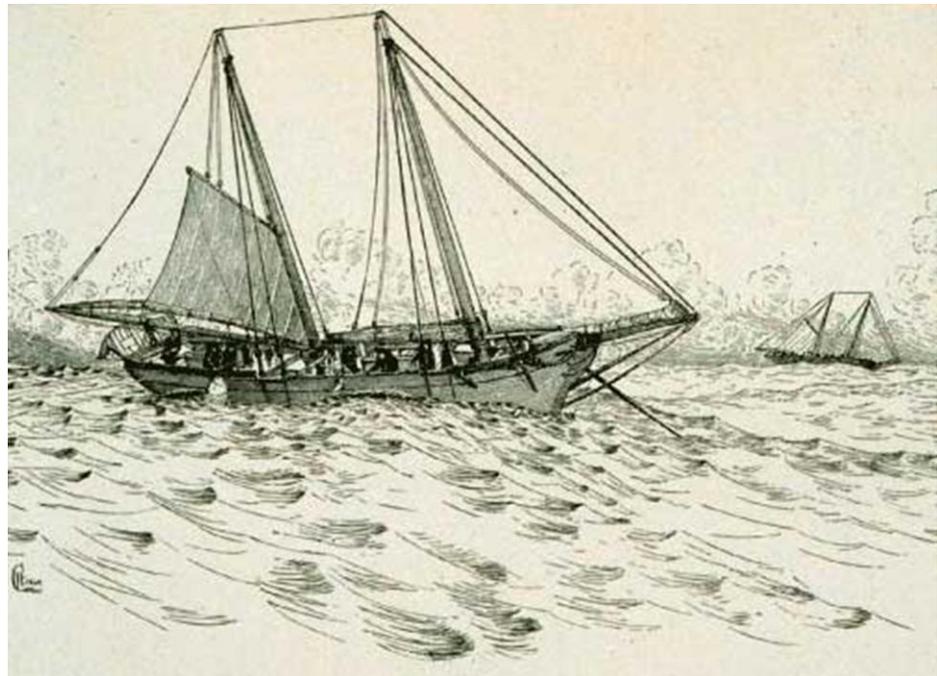


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What is the Sector Manager Report?

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 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.

This document outlines the standards that a sector manager must use in producing the Sector Manager Report and gives step-by-step instructions on how to produce each piece of the Sector Manager Report.

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

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 stock area.

- 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.

The field definitions for these reports are documented in the following sections.

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 stratum level about each sector trip for a given week, based on the best available data at the time of the report submission.

- **Report Columns:** See [Table 1](#) for information on the Detail Report columns.
- **Report Rows:** Each row of your Detail Report should list trip data *per stratum*.

Table 1: Detail Report Fields

| Common Variable Name | Description |
|-----------------------------|--|
| Week Ending Date | The Saturday ending the last week included in the report. This date should be the same in all rows of the report. |
| Sector Name | NERO sector name as listed on SIMM. |
| Vessel Permit Number | Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). |
| Trip ID | eVTR Trip ID or paper VTR serial number. |
| 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. Date Sold may originate from one of three sources but should be assigned on a prioritized basis from: <ol style="list-style-type: none"> 1. Dealer receipt / sold to date, 2. VTR date sold, and 3. Observer reported landings. |
| Landing Source | Code for source of landing data (landed weight of catch). Values: ASU = assumed, DLR = dealer, VTR = vessel, VMS = catch report. |
| Area Source | Code for source of area data (stock area fished and gear used). Values: ASU = assumed, DLR = dealer, VTR = vessel, VMS = catch report. |
| Observer Data Quality Level | Reserved for future use. Value = NULL. |
| Trip Observed? | Flag indicating if trip was observed or not observed. Y = observed, N = not observed. |
| Gear Code | The 3-character standard gear code from the VTR form. |
| Mesh Category | "ELM" = Extra Large Mesh (equal to or greater than 8 inches), "LM" = Large Mesh (less than 8 inches). ELM and LM only are applicable for gillnet gear. All other meshes are "NA". Consistent with discard rate strata. Obtain mesh size from the VTR. |
| Species ITIS | Species ITIS code for the SIMM Dealer download table. |
| Stock ID | An abbreviation for the Stock Area that incorporates both the species name and the area that species is assigned to. Includes Georges' Bank east & west. |
| Landed Weight | Landed weight (in pounds) of stock landed. The total weight should match dealer reported landings. |
| Live Weight | Live weight (in pounds) of stock landed. |
| Quantity Discard | Observed or calculated live pounds of species discarded. |

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| Common Variable Name | Description |
|----------------------|---|
| Harvested ACE | The cumulative number of live pounds of catch per stock caught on sector trips in current fishing year. |
| Date Last Changed | Date last updated (null if new record). |
| Dockside Monitored? | Flag indicating if trip was observed by dockside monitor. Y = Yes; N = No. |
| Enforcement Issues? | Flag indicating if trip had any enforcement issues. Y = Yes; N = No. If "Y", must be documented in Trip Issue Report. |

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 | Description |
|----------------------|--|
| Week Ending Date | The Saturday ending the last week included in the report. This date should be the same in all rows of the report. |
| Sector Name | NERO sector name as listed on SIMM. |
| Vessel Permit Number | Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). |
| Trip ID | eVTR Trip ID or paper VTR serial number. |
| Enforcement Issues | Sector manager notes any enforcement issues that have arisen during the week. Information would include the nature of the enforcement issue. |
| Discrepancies | Any discrepancies between reported and actual totals or trips. For example, a discrepancy noted by DSMs or roving monitors between dealers and offloads. |
| Other Issues | Any other issues that NMFS personnel should be aware of in assessing sector operations. |

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 initial allocated ACE at the start of the fishing year, the current ACE, harvested ACE, 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 | Description |
|-------------------------------|--|
| Week Ending Date | The Saturday ending the last week included in the report. This date should be the same in all rows of the report. |
| Sector Name | NERO sector name as listed on SIMM. |
| Stock ID | An abbreviation for the Stock Area that incorporates both the species name and the area that species is assigned to. Includes Georges' Bank east & west. |
| Initial Allocated ACE | The total number of (live) pounds of this stock allocated to the sector for all renewed permits in the current fishing year. |
| Carryover | The amount, in live pounds, of unused ACE (up to 10% for an allowable stock) that a sector may carry over into the next fishing year for all renewed permits. |
| In-season ACE Adjustment | The adjusted amount (increase or decrease), in live pounds, applied to the Initial Allocated ACE of a stock allocated to a sector in season for all renewed permits. |
| Total ACE | The total number of live pounds of this stock initially allocated to the sector including Carryover and In-season ACE adjustment. |
| Transfers In | The cumulative number of live pounds per stock transferred into the sector for the current fishing year. |
| Transfers Out | The cumulative number of live pounds per stock transferred out of the sector for the current fishing year. |
| Total Transfers | The sum, in live pounds, of the Transfers In and Transfers Out columns per stock transferred by the sector for the current fishing year. |
| Current ACE | Total ACE plus or minus Total Transfers. |
| Harvested ACE | The cumulative number of live pounds of catch per stock caught on sector trips in current fishing year. |
| Remaining ACE | Current ACE minus Harvested ACE. |
| Percent Harvested ACE to Date | Harvested ACE divided by Current ACE, expressed as a percentage. |

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.

Once the threshold is reached, sector managers are required to submit daily reports for a stock that has reached a threshold when:

- A sector vessel returns to port following a sector trip that landed fish above that stock's threshold.
- A sector member completes a trade including the affected stock.

[Table 4](#) documents the ACE Status Report field definitions. For more information about daily reporting, see [Completing the ACE Status Daily Report](#).

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

Table 4: Daily ACE Status Report Fields

| Common Variable Name | Description |
|--------------------------|--|
| Submission Date | Date the daily report is being submitted. |
| Sector Name | NERO sector name as listed on SIMM. |
| Stock ID | An abbreviation for the Stock Area that incorporates both the species name and the area that species is assigned to. Includes Georges' Bank east & west. |
| Initial Allocated ACE | The total number of (live) pounds of this stock allocated to the sector for all renewed permits in the current fishing year. |
| Carryover | The amount, in live pounds, of unused ACE (up to 10% for an allowable stock) that a sector may carry over into the next fishing year for all renewed permits. |
| In-season ACE Adjustment | The adjusted amount (increase or decrease), in live pounds, applied to the Initial Allocated ACE of a stock allocated to a sector in season for all renewed permits. |
| Total ACE | The total number of live pounds of this stock initially allocated to the sector including Carryover and In-season ACE adjustment. |
| Transfers In | The cumulative number of live pounds per stock transferred into the sector for the current fishing year. |

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| Common Variable Name | Description |
|-------------------------------|--|
| Transfers Out | The cumulative number of live pounds per stock transferred out of the sector for the current fishing year. |
| Total Transfers | The sum, in live pounds, of the Transfers In and Transfers Out columns per stock transferred by the sector for the current fishing year. |
| Current ACE | Total ACE plus or minus Total Transfers. |
| Harvested ACE | The cumulative number of live pounds of catch per stock caught on sector trips in current fishing year. |
| Remaining ACE | Current ACE minus Harvested ACE. |
| Percent Harvested ACE to Date | Harvested ACE divided by Current ACE, expressed as a percentage. |

Organizing and Submitting the Sector Manager Report

This section describes the valid file formats, data feeds, and submittal process of the Sector Manager Report.

Valid File Formats

The valid file formats for the Trip Issue, Detail, and ACE Status reports that make up the Sector Manager Report are the following:

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

Data Sources

This section documents the data inputs that you need to complete your report. The data inputs you need to access are:

- Sector Information Management Module (SIMM)
SIMM is the software interface between the sector manager and NMFS that allows the interchange of data between the two. SIMM, among its various functions, allows you to download the following data sets:
 - Sector Roster
 - Allocation Management System (AMS) Data
 - Dealer Data
 - Discard Rates
 - Discards
 - Observer Data
 - VTR Data
 - VMS Catch Reports
 - Trips with Observers
 - DAS Balance Report
 - Compliance
 - Year End Reports
 - Sendback

For each data source, NMFS allows the sector manager to select the fields they want from those NMFS provides, the order in which they are presented in the output file, and the date range. You can access SIMM, and the *SIMM User's Guide*, at the following URL:

<https://www.nero.noaa.gov/simm/>

- New England Fisheries Science Center (NEFSC) File Transfer Protocol (FTP) site
The NEFSC FTP site allows you to download the landed-to-live conversions for market-grade fish and the species-to-stock conversions. You can access the FTP site at:
ftp://ftp.nefsc.noaa.gov/pub/dropoff/evtr_support

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 07:00:00 | Sector managers have uploaded Sector Manager Report to SIMM by this time. |
| Monday 17:00:00 | NMFS runs data comparison reports. |
| 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 the latest data from SIMM, including Dealer Reports, Discard Rates, and Observer / ASM data. |
| Monday 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 Data Services Division (FDSD) 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. FDSD 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.

Submitting the Sector Manager Report

Once your sector manager report has been compiled, you submit the report by logging in to SIMM and invoking the Upload function. For more information about this process, refer to the *SIMM User's Guide* on the sector manager web page or the SIMM login page.

Sectors must submit their reports weekly. In addition, if cumulative catch for any of its allocated stocks reaches 80% of the sector's ACE for that stock, or weekly catch for a stock is 20% or greater of the sector ACE for that stock for two consecutive weeks, sector managers must prepare and submit a daily ACE Status report.

Note: Lease-only sectors submit the ACE Status Report only for their weekly uploads; these sectors should not submit a Detail Report or a Trip Issue Report.

Completing the Sector Manager Report

This section documents the process of preparing the Sector Manager Report for uploading to SIMM. The Sector Manager Report comprises the following:

- Detail Report
- Trip Issue Report
- ACE Status Report (or ACE Status Daily Report if necessary)

The major sections following show you how to complete each of these reports.

Completing the Detail Report

This section documents the steps to prepare the Sector Manager Detail Report.

Note: VTR data may be available to sector managers directly from the vessel or later through SIMM. Vessel-direct VTRs are usually timelier, whereas SIMM VTR data have undergone quality control checks. VTR data directly from a vessel may be used whenever SIMM VTR data are not yet available. There can be a delay of several weeks between the date that a vessel operator submits a paper VTR and the date that the VTR becomes available in SIMM. Therefore, sector managers need to base their reports on the VTRs they receive from vessels.

Following are the principal tasks in preparing the Sector Manager Detail Report.

- [Enter the First Portion of Detail Report Trip Information](#)
- [Calculate the Landed Weight for a Trip](#)
- [Calculate the Live Weight for a Trip](#)
- [Compute the Quantity Discard for a Trip](#)
- [Compute the Harvested ACE for a Trip](#)
- [Finish the Detail Report Trip Information](#)

Each of the above tasks is described in the following sections. The procedure references VTR fields from the hardcopy VTR.

Note: For a list of sources to use in completing the Sector Manager Detail Report, see [Appendix A: Sources for the Sector Manager Detail Report](#).

Enter the First Portion of Detail Report Trip Information

Label each report according to the date on which the fishing week ends and the sector name.

1. Enter the Vessel Permit Number for a trip.

This is the vessel permit number assigned by the Northeast Regional Office's Vessel Permit System. This is available as the Vessel Permit Number in the Vessel Trip Report.

2. Enter *one* of the following as the Trip ID:

- Enter the eVTR Trip ID as a 14-character string.
- Enter the paper VTR Serial Number as an 8-character string.

Use the VTR serial number, found in the upper-right corner of the form, from the hardcopy VTR.

3. Enter the Date Sold for a trip.

This is the date of the first sale of a sector trip's catch to a seafood dealer. In the following order of preference, take this value from one of the following:

- Dealer receipt/sold to date (Date Sold field of the Dealer table in SIMM).
- VTR date sold (Date Sold field of the Vessel Trip Report).
- Observer-reported landing date (Date Landed field of the Observer table in SIMM). Index into these tables using the VTR Serial Number.

4. Enter the Landing Source for a trip.

Source of data for landed weight of catch. You supply the value: ASU (assumed), DLR (dealer), VTR (vessel), or VMS (catch report).

5. Enter the Area Source for a trip.

Source of data for stock area fished and gear used. You supply the value: ASU (assumed), VTR (vessel), or VMS (catch report).

6. Enter the Observer Data Quality Level for a trip.

Reserved for future use. Value = NULL.

7. Enter the Trip Observed for a trip.

Y=observed, N=not observed

8. Enter the Gear Code for a trip.

Enter the gear code from the Gear Code field in the Vessel Trip Report. See [Appendix B: Gear Codes](#) later in this document for a list of codes.

9. Enter the Mesh Category for a trip.

Enter the mesh category from the Mesh field in the VTR. (The mesh category here is valid for gillnet gear only; input all other meshes as "NA".) "ELM" = Extra Large Mesh

(equal to or greater than 8 inches), “LM” = Large Mesh (less than 8 inches). Consistent with discard rate strata.

Note: For all gear, a change in gear requires a new VTR. The gill net averaging applies to gill net strings containing multiple mesh sizes.

10. Enter the Species ITIS for a Trip.

In the following order of preference, take this value from the:

- Species ITIS column in the Dealer table
- Vessel Trip Report

11. Enter the Stock ID for a Trip by doing the following:

- On the VTR, find and note the value in the Chart Area field. Chart Area is the statistical area.
- Go to the FTP site: ftp://ftp.nefsc.noaa.gov/pub/dropoff/evtr_support
- Open the species-to-stock area conversion table:
FDSD_SpeciesStockArea_120320.xls.
- In the AREA column, which contains the statistical areas, find the same value that was entered in the Chart Area field in the VTR.
- Index the value in AREA to the corresponding value in the STOCK_ID column.
- Enter the corresponding value in the STOCK_ID column into the Stock ID record in the Detail Report.

You must enter all stocks per trip even if you did not fish in a particular area for the trip. For stocks not fished, enter a zero.

Calculate the Landed Weight for a Trip

Your Detail Report must include the landed weight of the total catch for your sector during the reporting period.

Note: Since a vessel generates information about areas fished and gear used, and the dealer has the best data available for weight by species, the best data set includes both VTR and dealer data.

What Kinds of Catch Are Included In Landed Weight?

Landed weight must include *all kept fish*, including:

- Fish sold to a seafood dealer
- Fish seized for violations
- Fish sold/used for bait
- Fish intended for future sale
- Sub-legal fish for research
- Legal-sized fish for research
- Legal-sized unmarketable fish (LUMF)
- Fish kept for home consumption

You must include all kept fish in each landed weight total. The section [How Do I Put Landed Weight into my Report?](#) shows you how to do this.

How Do I Put Landed Weight into my Report?

For each species, you must determine the total dealer weight of fish caught by stratum (stock area, gear, mesh) as a *portion of the total amount of that same species that was caught on the trip*, according to the VTR. This is called **apportionment**.

The Dealer download in SIMM contains both landed and live weight data. Landed weight data are also available from the dealer weighout slip. The live weight is described in detail in the following section of this guide.

Note: This section uses formulas with mathematical notation. The reader who is unfamiliar with mathematical notation can refer to the arithmetic that accompanies each formula.

Suppose you need to compute for Trip ID 00000000 the live weight of the following stratum:

- Stock area CODGBW
- Gear OTS
- Mesh 1.8

To do this:

1. Get all the cod values from the VTR or eVTR (this example uses a VTR):

The parts of the VTR that contain the numbers you need are shown in [Table 6](#).

Table 6: VTR Data (for Landed Weight Example)

| Trip ID | Gear Code | Mesh Size | Mesh Category (Derived) | Chart Area | Species Code | Stock ID (Derived) | Kept | Dealer Permit Number |
|----------|-----------|-----------|-------------------------|------------|--------------|--------------------|------|----------------------|
| 00000000 | OTS | 1.8 | NA | 514 | COD | CODGMSS | 700 | 11111 |
| 00000000 | OTF | 6.5 | NA | 514 | FLBB | FLWGMSS | 15 | 11111 |
| 00000000 | OTS | 6.5 | NA | 614 | COD | CODGBW | 225 | 11111 |
| 00000000 | OTS | 1.8 | NA | 614 | COD | CODGBW | 800 | 11111 |
| 00000000 | OTS | 1.8 | NA | 614 | COD | CODGBW | 10 | 99998 |
| 00000000 | OTS | 1.8 | NA | 614 | COD | CODGBW | 20 | 2 |

The **yellow** highlighting shows the numbers for the stratum you want. The **blue** highlighting shows the rest of the cod values for this trip. All the cod values from the trip are represented on the VTR. Mesh Category is derived using the gear code and mesh size. Stock ID is derived from the chart area and species code.

2. Find out how much cod in this stratum was caught on the trip.

In this example, 830 pounds of fish were caught in the stratum you are interested in: Stock area CODGBW, Gear OTS, and Mesh 1.8. In this stratum, 800 pounds of cod

were sold to a dealer, 10 pounds of cod were kept for home consumption (Dealer ID 99998 = home consumption), and 20 pounds of cod were kept for bait (Dealer ID 2 = bait).

- Find out how much cod not in this stratum was caught on the trip.

In this example, 700 and 225 pounds of cod were also caught in other stock areas or using other gear. The catch included 15 pounds of flounder, but since you are calculating landed weight for cod, don't use the flounder value for this calculation.

- Calculate the portion of cod in this stratum against all cod caught on this trip:

$$\frac{\sum_k r_{CODGBW,OTS1.8,k}}{\sum_{a,g} r_{COD,a,g}} = P_{CODGBW,OTS1.8}$$

$$\frac{800 + 10 + 20}{800 + 10 + 20 + 700 + 225} = 0.47293447$$

where:

$\sum_k r_{CODGBW,OTS1.8,k}$ is the estimated hail weight of cod caught from stock CODGBW using gear OTS (Mesh 1.8) as sold to various dealers as well as fish not sold to dealers.

$\sum_{a,g} r_{COD,a,g}$ is the sum of weights taken over all other areas and gear for a given species on a trip; in this case, cod.

$P_{CODGBW,OTS1.8}$ is the portion of cod from this stratum against all cod caught on the trip

Inconsistencies or Unreported Data

There can be cases in which inconsistencies exist between reports or other needed data have not been reported.

In such cases, refer to *A Standard Method to Apportion Groundfish Catch to Stock Area for the Purpose of Real Time Quota Monitoring under Amendment 16*, which can be found at <http://www.nefsc.noaa.gov/publications/crd/crd1002/index.html>. This document describes the method you would use to apportion groundfish catch to the appropriate stock areas.

Duplicate Records

Catch from the same trip may be sold to multiple dealers, or there may be multiple sales from the same vessel to the same dealer. This may result in duplicate records. In order to avoid this, sum up those records with the same VTR serial number and the same Stock ID to the same dealer and collapse those records into a single row in your report.

For example, suppose that a vessel owner has made the following sales using a single VTR serial number combination:

- Dealer A
 - 500 lbs cod
 - 600 lbs summer flounder
- Dealer B
 - 750 lbs of cod
 - 200 lbs summer flounder
 - 100 lbs of cod

Therefore, the totals are

- $500+750+100 = 1350$ lbs cod
- $600+200 = 800$ pounds summer flounder

Record these weights in your report as 1350 lbs cod and 800 lbs summer flounder, just as if there had been a single sale to a single dealer.

Calculate the Live Weight for a Trip

Your Detail Report must include the live weight of the total catch for your sector during the reporting period.

Note: Since a vessel generates information about areas fished and gear used, and the dealer has the best data available for weight by species, the best data set includes both VTR and dealer data.

What is Live Weight?

Live weight is the landed or hail weight multiplied by a conversion factor specific to that species and disposition when known. (You'll see how to use the conversion factor later in this section if you need to do this conversion.) The conversion factor compensates for the weight that fish lose from the time they are caught until the time they are weighed

Get the live weight of the relevant species caught on the trip from the dealer data in the SIMM Downloads page. Landed weight will require conversion whereas live weight will not. [Table 7](#) excerpts the values for this example.

Table 7: Dealer Data (for Live Weight Example)

| VTR Serial Number | Market Category Code | Grade Code | Species Name | Landed Weight | Live Weight |
|-------------------|----------------------|------------|-----------------|---------------|-------------|
| 00000000 | LG | 23 | COD | 800 | 936 |
| 00000000 | MK | 23 | COD | 700 | 819 |
| 00000000 | MK | 23 | COD | 225 | 263 |
| 00000000 | LM | 1 | FLOUNDER WINTER | 15 | 15 |

Keep in Mind:

- Dealer data are sometimes unavailable because a dealer report has not yet been submitted, or because fish have not been sold to a dealer, as in the case of bait or home consumption. (Dealer codes indicating bait and home consumption are 2 and 99998 respectively.)
- If you need to, you can compute live weight from landed weight by multiplying the landed weight by the landed-weight-to-live conversion factor. Each species has a conversion factor. [Table 8](#) shows an excerpt of the complete list of conversion factors. The full list of conversion factors is found by going to the FTP site: ftp://ftp.nefsc.noaa.gov/pub/dropoff/evtr_support and opening the table SPECIES_ITIS_VTR_NESPP\$_120716.xls
- All fish kept for home consumption (as reported on the VTR) is considered to be fillets or parts, and is therefore multiplied by 3, consistent with §648.83(b)(1). For example, for cod, the conversion factor is 1.17, unless fish fillets or parts are kept for home consumption, then the factor is 3:1.

Table 8: Generalized Conversion Factors for Landed-to-Live Weight (Excerpt)

| SPPCODE | SPPNAME | NESPP3 | CONV |
|------------|---------------------|------------|-------------|
| CLSUB | "CLAM, SURF/BUSHEL" | 769 | 5.24 |
| COBIA | COBIA | 057 | 1 |
| COD | COD | 081 | 1.17 |
| CRB | "CRAB, BLUE" | 700 | 1 |
| CRBB | "CRAB, BLUE/BUSHEL" | 700 | 1 |

5. Calculate the final live weight total for this stratum:

$$\left[\sum_i (l_{COD,i}) + C_{COD} \sum_j (h_{COD,j}) \right] * P_{CODGBW,OTS1.8} = T_{COD}$$

$$[(936 + 819 + 263) + (3 * 10) + (1.17 * 20)] * 0.47293447 = 979.6365$$

where:

$l_{COD,i}$ is the live weight for sale i , as shown in the dealer data.

$h_{COD,j}$ is the hail weight of cod having no corresponding dealer data (in this case, the 10 pounds of home consumption and the 20 pounds of bait).

C_{COD} is the generalized hail-weight-to-live conversion factor for cod (or the 3:1 rule for home consumption).

T_{COD} is the final live weight for the stratum.

Keep in Mind:

- After you obtain the final live weight for the stratum, round up or down to the nearest whole pound. (Less than 0.5 pounds, round down; 0.5 pounds or above, round up.)
 - In this example, the generalized conversion factor was needed for the 20 pounds of bait for which the dealer had no record. The 10 pounds of cod for home consumption, however, was multiplied by 3 instead of the generalized conversion factor.
 - Whenever SIMM dealer data are not available, you must use the generalized conversion factors for landed-to-live weight for all fish except fish landed for home consumption. Find the complete list of factors at the NEFSC FTP site: ftp://ftp.nefsc.noaa.gov/pub/dropoff/evtr_support in the table SPECIES_ITIS_VTR_NESPP\$_120716.xls
 - If you don't have timely dealer data and must use the generalized conversion factors, update T_{COD} as soon as the dealer data becomes available.
 - There may be multiple grades and market codes for a single species in a catch. These grades and codes determine the proper conversion factor.
6. In the Sector Manager Detail Report, insert T_{COD} into the Live Weight column, and into the row having the corresponding Trip ID, Species ITIS, Stock ID, and Gear Code.

Special Considerations with Conversion Factors

There are several conversion situations that you should be aware of. These include:

- **Skate** — There are two categories of species code on the VTR for skate. The code for skate wing ends in a “W” and the code for whole skate does not. Be sure to use the appropriate conversion factor.
- **Monkfish** — There are several categories of species code on the VTR for monkfish. The code for whole monkfish does not end in a “T”. Be sure to use the appropriate conversion factor.
 - For monkfish with a species code of MONKL or MONKH, use a conversion factor of “0”.
- **LUMF** — The conversion factor for LUMF is “1”.
- **Home Consumption** — For the purposes of accounting for all catch by sector vessels as specified at §648.87(b)(1)(v), the weight of all fillets and parts of fish, other than whole-gutted or gilled fish, reported for at-home consumption shall be multiplied by a factor of 3.

Compute the Quantity Discard for a Trip

Discard calculations follow two different methods, one for observed trips and one for unobserved trip.

Scenario A: The Trip Was Fully Observed

If a trip is fully observed:

- Use the amount of discard observed by the observer. This value is found in column **Total Discard** in the SIMM Discards table.

Scenario B: The Trip Was Partially Observed

NMFS adds the sum of direct discard observations for the stock from observed hauls to the sum of the estimated stock discards for unobserved hauls. The estimated stock discards for unobserved hauls are based on the observed hauls.

To apply a partially-observed trip value:

- Use the value found in column **Total Discard** in the SIMM Discards table.

Scenario C: The Trip Was Not Observed

For each stratum within a trip, compute the discards as follows:

- Find the value found in column **Discard Rate** in the SIMM Discard Rate table. You will use this discard ratio value in the following step.
- Compute the stratum-specific discard amount.

$$D = \text{Discard Rate} * K_{all}$$

For detailed information about computing discards, see [Appendix C: Computing Discards for Detail Reports](#) in this guide.

Note: The discard ratio changes throughout the fishing year. This is because the discard ratio is based on the number of observed trips that have occurred during the fishing year. As well as applying the current discard ratio to each trip that occurred during the week, you should reapply the current discard ratio to the trips that have already occurred in the fishing year.

Scenario D: The Trip Was Observed but Observer Data Are Missing

Use the method described in Scenario C (the previous section). Update the value in the **Quantity Discards** column in your report when the observer data become available.

Compute the Harvested ACE for a Trip

To compute the harvested ACE for a trip:

- Add Live Weight and Quantity Discard, described earlier in this document.

Finish the Detail Report Trip Information

To complete the trip information for the Sector Manager Detail Report:

1. Enter the Date Last Changed for a Trip.
This is the date on which the trip data were last updated.
2. Enter the Dockside Monitored flag for a Trip.
Y = yes, N = no.

3. Enter the Enforcement flag for a Trip.

Y = yes, N = no. If the flag is “Y”, document the issues in the Trip Issue Report.

Completing the Trip Issue Report

The Sector Manager Trip Issue Report provides information about sector trips for a given week that have enforcement, data, or other issues. The sector manager submits one Trip Issue Report per week. If there are no issues to report, the Enforcement Flag is 'N' in the Detail Report and the subsequent records are NULL values.

1. Enter the sector name.
2. Enter the date information.

The Week Ending Date is the Saturday ending the last week included in the report. This date should be the same in all rows of the report.

3. Enter the Vessel Permit Number for a trip.

This is the vessel permit number assigned by the Northeast Regional Office’s Vessel Permit System. This is available as the Vessel Permit Number in the Vessel Trip Report table in SIMM.

4. Enter *one* of the following as the Trip ID:

- Enter the eVTR Trip ID as a 14-character string.
- Enter the paper VTR Serial Number as an 8-character string.

Use the VTR serial number, found in the upper-right corner of the form, from the hardcopy VTR.

5. Enter any enforcement issues that have arisen during the week.

Include a text description about the nature of the enforcement issue.

6. Enter any discrepancies of note.

Include a text description about any discrepancies between reported and actual totals or trips. For example, note discrepancies by DSMs between dealers and offloads.

7. Enter any other issues.

Any other issues that NMFS personnel should be aware of in assessing sector operations.

Completing the ACE Status Report

The ACE Status Report allows sector managers to report their ACE status calculations. Each report should be labeled according to the date on which the fishing week ends and the sector name. (You submit the ACE Status Report on a weekly basis unless you are near any ACE limits; if this is the case, you must submit an ACE Status Daily Report. See [Completing the ACE Status Daily Report](#) for details.)

1. Enter the Week Ending Date that applies to this report.
2. Enter the Sector Name for this report.
3. Enter the Stock IDs.

For each Stock ID, enter a row in the Sector Manager ACE Status Report. Fill this column with the corresponding Stock IDs. You must enter all stocks even if you did not fish in a particular area. For stocks not fished, enter a zero.

4. Enter the Initial Allocated ACE for each Stock ID.

This value is the total number of (live) pounds of this stock allocated to the sector for all renewed permits in the current fishing year.

5. Enter the Carryover for each Stock ID where applicable.

This value is the amount, in live pounds, of unused ACE (up to 10% for an allowable stock) that a sector may carry over into the next fishing year for all renewed permits.

6. Enter the In-season ACE Adjustment for each Stock ID where applicable.

This value is the adjusted amount, in live pounds, applied to the Initial Allocated ACE of a stock allocated to a sector in season for all renewed permits.

7. Enter the Total ACE for each Stock ID.

This value is the total number of live pounds of this stock initially allocated to the sector including Carryover and In-season ACE Adjustment.

8. Enter the cumulative Transfers In for each Stock ID.

This value is the cumulative number of live pounds per stock transferred into the sector for the current fishing year.

9. Enter the cumulative Transfers Out for each Stock ID.

This value is the cumulative number of live pounds per stock transferred out of the sector for the current fishing year.

10. Enter the sum of the Total Transfers by Stock ID.

This value is the sum of the Transfers In and Transfers Out columns, in live pounds, per stock transferred by the sector for the current fishing year.

11. Enter the Current ACE for Each Stock ID.

This value equals the Total ACE plus or minus Total Transfers.

12. Enter the Harvested ACE for each Stock ID.

For each row (i.e. Stock ID) in the ACE Status Report, sum all the Harvested ACE values over all rows with corresponding Stock ID in the Detail Report table, over all Detail Reports since the start of the year. Enter that sum.

13. Enter the Remaining ACE for each Stock ID.

This value is Current ACE minus Harvested ACE.

14. Enter the Percent Harvested ACE To Date for each Stock ID.

This value is 100 times Harvested ACE divided by Current ACE.

Completing the ACE Status Daily Report

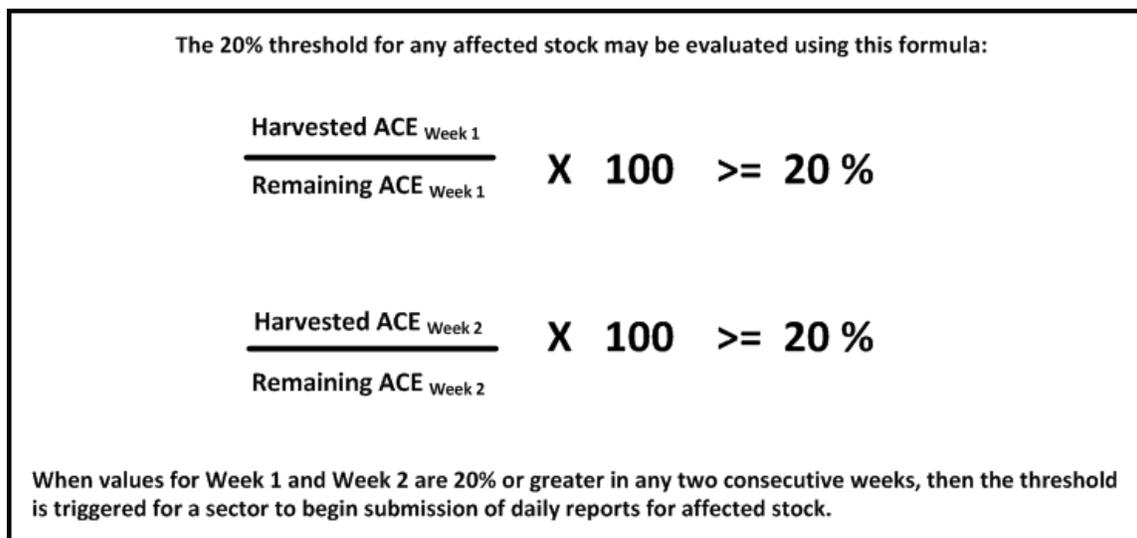
Sector managers must provide ACE Status reports on a daily basis when *either* of two "trigger points" (thresholds) has been reached in the current fishing year:

- 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.

Figure 1 below is an example of the 20 percent threshold for an affected stock.

Figure 1: Evaluating the 20 percent threshold



Once the threshold is reached, sector managers are required to submit daily reports for a stock when:

- A sector vessel returns to port following a sector trip that landed fish above that stock's threshold.
- A sector member completes a trade including the affected stock.

To complete the ACE Status Daily Report:

1. Enter the Submission Date that applies to this daily report.
2. Enter the Sector Name for this daily report.
3. Enter the Stock IDs.

For each Stock ID, enter a row in the Sector Manager ACE Status Report. Fill this column with the corresponding Stock IDs. You must enter all stocks even if you did not fish in a particular area. For stocks not fished, enter a zero.

4. Enter the Initial Allocated ACE for each Stock ID.

This value is the total number of (live) pounds of this stock allocated to the sector for all renewed permits in the current fishing year.

5. Enter the Carryover for each Stock ID where applicable.

This value is the amount, in live pounds, of unused ACE (up to 10% for an allowable stock) that a sector may carry over into the next fishing year for all renewed permits.

6. Enter the In-season ACE Adjustment for each Stock ID where applicable.

This value is the adjusted amount, in live pounds, applied to the Initial Allocated ACE of a stock allocated to a sector in season for all renewed permits.

7. Enter the Total ACE for each Stock ID.

This value is the total number of live pounds of this stock initially allocated to the sector including Carryover and In-season ACE Adjustment.

8. Enter the cumulative Transfers In for each Stock ID.

This value is the cumulative number of live pounds per stock transferred into the sector for the current fishing year.

9. Enter the cumulative Transfers Out for each Stock ID.

This value is the cumulative number of live pounds per stock transferred out of the sector for the current fishing year.

10. Enter the sum of the Total Transfers by Stock ID.

This value is the sum of the Transfers In and Transfers Out columns, in live pounds, per stock transferred by the sector for the current fishing year.

11. Enter the Current ACE for Each Stock ID.

This value equals the Total ACE plus or minus Total Transfers.

12. Enter the Harvested ACE for each Stock ID.

For each row (i.e. Stock ID) in the ACE Status Report, sum all the Harvested ACE values over all rows with corresponding Stock ID in the Detail Report table, over all Detail Reports since the start of the year. Enter that sum.

13. Enter the Remaining ACE for each Stock ID.

This value is Current ACE minus Harvested ACE.

14. Enter the Percent Harvested ACE To Date for each Stock ID.

This value is 100 times Harvested ACE divided by Current ACE.

ACE Status Daily Report Guidelines

The following are guidelines for submitting ACE Status daily reports:

- Sector managers are required to submit an ACE Status daily report *only* for those stocks that have reached one of the thresholds.
- Once your sector has reached one of the thresholds, you are required to submit an ACE Status daily report:
 - When any vessel in your sector returns to port following a sector trip in the affected stock area
 - or**
 - When a sector member completes a trade including the affected stock.

You are **not** required to submit an ACE Status daily report if your sector has not fished in the affected stock area or has not completed trades involving the affected stock.

- If two sector trips in the affected stock area land on the same day, you would submit one ACE Status daily report that incorporates both trips. If the two sector trips land on different days, you would submit two separate daily reports, one each time a trip has landed.
- Prepare the daily ACE Status report as described in the section [Sector Manager Daily ACE Status Report](#). The Detail Trip report, the Trip Issue report, and the full ACE Status report are to be completed and submitted on a weekly basis.

Sector managers may stop submitting daily ACE Status reports in the following instances:

- For the “80%” threshold:
 - You obtain sufficient ACE for the affected stock so that the ACE falls below the threshold.
 - Your updated data indicate that the affected stock landings have fallen below the 80% level.
- For the “Two consecutive weeks of 20%” threshold:
 - Your updated data indicate that affected stock landings have fallen below 20% of the remaining portion of the ACE for two consecutive weeks.

Sector managers are in charge of ensuring that ACEs for groundfish stocks are not exceeded; managers are free to choose the methods they employ to ensure compliance for their sector.

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 Law Enforcement (OLE) at NERO.

- The standards for TSH and TEH procedures appear in the document, “Dockside monitoring operational standards for Fishing Year 2010,” 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>

Note: For FY 2012, the vessel operator is not required to declare the start of a fishing trip, only the end of a trip.

Appendix A: Sources for the Sector Manager Detail Report

[Table 9](#) provides a list of sources for the Sector Manager Detail Report.

How to Use This Table

The first column, Sector Manager Detail Report, in Table 9 lists in order the column headings in your Detail Report: Week Ending Date, Sector Name, Vessel Permit Number, and so forth. The other columns in [Table 9](#), under the heading Sources, show you the sources where you can get the data to complete each record (row) of your report.

Each row of your report will contain a record of each stratum (species, area, gear). For Stratum X, for example, [Table 9](#) shows you that you can find the Date Sold information for that catch in the dealer report, the VTR, the SIMM VTR download file, or the SIMM Observer download file.

For instructions on completing the Sector Manager Report, see [Completing the Sector Manager Report](#) in this guide.

Table 9: Data Sources for the Detail Report

| Sector Manager Detail Report | Sources | | | | |
|------------------------------|---|----------------------|----------------------|--|---|
| | Hardcopy VTR | SIMM VTR Download | SIMM Dealer Download | Sector Manager | Other |
| Week Ending Date | — | — | — | Supplies date; derived from Date Landed data | — |
| Sector Name | — | — | — | Supplies name | — |
| Vessel Permit Number | Paper VTR Field 3 — Vessel Permit Number | Vessel Permit Number | Vessel Permit Number | — | SIMM Observer; VMS Catch |
| Trip ID | Paper VTR Serial number (8 integers) in upper right-hand corner | Trip ID | — | — | VTR, AMS; VMS Catch |
| Date Sold | Paper VTR Field 22 — Date Sold | Date Sold | Date Sold | — | Observer-reported Date Landed in the Observer table in SIMM |

Preparing the Sector Manager Report

| Sector Manager Detail Report | Sources | | | | |
|------------------------------|--|-------------------------|----------------------|--|---|
| | Hardcopy VTR | SIMM VTR Download | SIMM Dealer Download | Sector Manager | Other |
| Landing Source | — | — | — | Supplies one: <ul style="list-style-type: none"> • ASU(assumed) • DLR (dealer) • VTR • VMS | — |
| Area Source | — | — | — | Supplies one: <ul style="list-style-type: none"> • ASU(assumed) • VTR • VMS | — |
| Observer Data Quality Level | NULL | NULL | NULL | NULL | NULL |
| Trip Observed? | — | — | — | — | SIMM Observer |
| Gear Code | Paper VTR Field 8 — Gear Fished (alpha code) | Gear Code | — | — | — |
| Mesh Category | Paper VTR Field 9 — Mesh/Ring Size (derived from list codes) | Mesh Category | — | — | SIMM Observer |
| Species ITIS | Paper VTR Field 17 — Species Code Name | Species ITIS | Species ITIS | — | SIMM Observer; VMS Catch (Species Kept) |
| Stock ID | Paper VTR Field 12 — Chart Area (derived from stat area) | Area (Statistical Area) | — | Performs computation – see procedure in this document. | SIMM Observer; VMS Catch (Stat Area) |
| Landed Weight | Paper VTR Field 18 — Kept Pounds | Quantity Kept | Landed Weight | — | VMS Catch (Pounds Kept) |
| Live Weight | — | — | Live Weight | Applies landed-to-live conversion factor. | NMFS conversion factor |

Preparing the Sector Manager Report

| Sector Manager Detail Report | Sources | | | | |
|------------------------------|--------------------------------|-------------------|----------------------|--|--|
| | Hardcopy VTR | SIMM VTR Download | SIMM Dealer Download | Sector Manager | Other |
| Quantity Discard | Paper VTR Field 19 — Discarded | Quantity Discard | — | Provides the discards for 100% observed trips or applies the discard rate process for partially-observed and unobserved trips. | SIMM Observer; SIMM Discards; SIMM Discard Rates |
| Harvested ACE | — | — | — | Sums landed/kept totals and discard totals. | — |
| Date Last Changed | — | — | — | Supplies most recent date this report was changed. | — |
| Dockside Monitored? | — | — | — | Sets flag based on receipt of DSM report. | — |
| Enforcement Issues? | — | — | — | Sets flag based on Trip Issue Report. | — |

Appendix B: Gear Codes

[Table 10](#) documents the valid gear codes for the Sector Manager Detail Report.

Table 10: Gear Codes

| Gear Codes | Description |
|---------------|--------------------------------|
| TRAWLS | |
| OTB | OTTER TRAWL, BEAM |
| OTC | OTTER TRAWL, BOTTOM, SCALLOP |
| OTF | OTTER TRAWL, BOTTOM, FISH |
| OHS | OTTER TRAWL, HADDOCK SEPARATOR |
| OTR | OTTER TRAWL, RUHLE |
| OTM | OTTER TRAWL, MIDWATER |
| OTS | OTTER TRAWL, SHRIMP |
| PTB | PAIR TRAWL, BOTTOM |
| PTM | PAIR TRAWL, MIDWATER |
| PUR | PURSE SEINE |
| SED | DANISH SEINE |

Preparing the Sector Manager Report

| Gear Codes | Description |
|-----------------------|---|
| SES | SCOTTISH SEINE |
| STS | STOP SEINE |
| GILLNETS | |
| GND | GILLNET, DRIFT |
| GNR | GILLNET, RUNAROUND |
| GNS | GILLNET, SINK (groundfish, dogfish, etc.) |
| DREDGES | |
| DRC | DREDGE, OCEAN QUAHOG/SURF CLAM |
| DRM | DREDGE, MUSSEL |
| DRS | DREDGE, SCALLOP |
| DRU | URCHIN |
| HOOK AND LINE | |
| LLB | LONGLINE/TUB TRAWL, BOTTOM |
| LLP | LONGLINE, PELAGIC |
| HND | HAND LINE/ROD & REEL |
| POTS and TRAPS | |
| PTC | POT, CRAB |
| PTF | POT, FISH (Sea Bass, etc.) |
| PTH | POT, BARRELS (Hag) |
| PTL | POT, LOBSTER |
| PTS | POT, SHRIMP |
| PTW | POT, CONCH |
| TRP | TRAP (Fish) |
| WEI | WEIR |
| OTHER | |
| DIV | DIVING |
| HRP | HARPOON |
| RAK | HAND RAKE |
| CST | CAST NET |
| FYK | FYKE NET |

Appendix C: Computing Discards for Detail Reports

You need reliable information about the total groundfish catch, landings and discards, to make sure that your sector stays within its individual annual catch entitlements (ACE). To do this, you need to estimate discards for unobserved trips.

Species play a critical role in the calculation of discards. Depending on the circumstances, a species can be a discard species, a K_{all} species, both, or neither. See the next section for more information.

Terminology

You need to understand the following terms in order to proceed with the discard calculation process.

Stratum

Part or all of a fishing trip with the following characteristics: stock area, gear, and mesh. As soon as any one of these characteristics changes on a fishing trip, a new stratum is introduced.

Discard Species

A species for which discards are being computed. If a vessel is fishing in a groundfish species' stock area, any species associated with that stock area is a discard species.

K_{all} Species

A species that has been landed and is used to estimate fishing effort. All species landed on a trip are K_{all} -species.

Groundfish Species

The nine groundfish species are cod, plaice, winter flounder, witch flounder, yellowtail flounder, haddock, white hake, pollock, and redfish. All these species have corresponding discard estimations for each stratum fished.

Example: Using the Discard Algorithm

To estimate discards, you need to use the discard algorithm. This section uses a fishing trip example to show you how to do this.

In the following example, an unobserved fishing trip has returned the following data:

- Species caught: Haddock, cod, and dogfish
- Statistical areas fished: 522 and 561
- Gear used: OHS and OTF
- Mesh category: not applicable (NA) for both gear types in the example. If mesh category were applicable, it could generate additional strata.

Note: Remember that any groundfish species in a stock area is a discard species. This means you must calculate discards for all groundfish species per stratum. This example shows discard calculations for cod (caught) and yellowtail (not caught), but be aware that you would have to calculate discards for the other seven species as well.

Calculating Discards for Unobserved Trips

To calculate the discards from this trip, perform the following steps:

1. Identify the strata.

A stratum is a stock area, gear, and mesh category. Be aware that that different species may generate different sets of strata. The strata may change for each discard species, so repeat this process for each discard species. The VTR data for this trip is shown in [Table 11](#).

Table 11: VTR Data

| VTRSN (as Trip ID) | Gear | Statistical Area | Mesh Category | Species | Kept (lb) |
|--------------------|------|------------------|---------------|---------|-----------|
| 11111111 | OTF | 522 | NA | Cod | 100 |
| | | | | Haddock | 200 |
| | | | | Dogfish | 300 |
| 11111112 | OHS | 522 | NA | Cod | 500 |
| | | | | Haddock | 400 |
| 11111113 | OHS | 561 | NA | Dogfish | 1000 |

See [Table 12](#) for the two discard species used in this example. Notice that the strata breakdown is different for the two species.

Table 12: Strata for Two Discard Species

| Discard Species | Stratum | Stock ID | Gear/Mesh |
|-----------------|---------|-------------------|-----------|
| Cod | Cod 1 | Georges Bank West | OTF / NA |
| | Cod 2 | Georges Bank West | OHS / NA |
| | Cod 3 | Georges Bank East | OHS / NA |
| Yellowtail | YT 1 | Georges Bank | OTF / NA |
| | YT 2 | Georges Bank | OHS / NA |

2. Calculate the portion for each (stratum, K_{all} -species) combination.

The portion for each (stratum, K_{all} -species) combination is:

$$P_{si} = K_{si}/K_s$$

where:

K_{si} is the VTR kept weight for K_{all} species s caught in stratum i

K_s is the kept weight for the K_{all} -species s for the whole trip.

This results in the portions shown in [Table 13](#).

Preparing the Sector Manager Report

Table 13: Strata with Portions (Two of Nine Discard Species Shown as Examples)

| Discard Species | Stratum | Stock ID | Gear / Mesh | Kall-Species | Psi |
|-----------------|---------|-------------------|-------------|--------------|-----------------------------------|
| Cod | Cod 1 | Georges Bank West | OTF / NA | Cod | $100 / (100 + 500 + 0) = .1667$ |
| | | | | Haddock | $200 / (200 + 400 + 0) = .3333$ |
| | | | | Dogfish | $300 / (300 + 0 + 1000) = .2308$ |
| | Cod 2 | Georges Bank West | OHS / NA | Cod | $500 / (100 + 500 + 0) = .8333$ |
| | | | | Haddock | $400 / (200 + 400 + 0) = .6667$ |
| | | | | Dogfish | $0 / (300 + 0 + 1000) = 0$ |
| | Cod 3 | Georges Bank East | OHS / NA | Cod | $0 / (100 + 500 + 0) = 0$ |
| | | | | Haddock | $0 / (200 + 400 + 0) = 0$ |
| | | | | Dogfish | $1000 / (300 + 0 + 1000) = .7692$ |
| Yellowtail | YT 1 | Georges Bank | OTF / NA | Cod | $100 / (100 + 500) = .1667$ |
| | | | | Haddock | $200 / (200 + 400) = .3333$ |
| | | | | Dogfish | $300 / (300 + 1000) = .2308$ |
| | YT 2 | Georges Bank | OHS / NA | Cod | $500 / (100 + 500) = .8333$ |
| | | | | Haddock | $400 / (200 + 400) = .6667$ |
| | | | | Dogfish | $1000 / (300 + 1000) = .7692$ |

3. Apportion the live weight per stratum.

Refer to the dealer data as shown in [Table 14](#).

The apportioned live weight for each stratum is then:

$$L_{si} = P_{si} * (L_s + V_s)$$

where:

L_s is the live weight for species s in the dealer database.

V_s is the weight of species s , landed but not sold, and converted to live weight (such as bait and home consumption). In this example all fish landed have been sold to a dealer.

See [Table 15](#) for the results of these calculations.

Table 14: Dealer Data

| VTRSN (as Trip ID) | Species | Ls =Live Weight (lb) |
|--------------------|---------|----------------------|
| 11111111 | Cod | 750 |
| | Haddock | 550 |
| | Dogfish | 1510 |

Table 15: Apportioned Dealer Data

| Discard Species | Stratum | Kall-Species | Psi | Lsi |
|-----------------|---------|--------------|-------|-----------------------------|
| Cod | Cod 1 | Cod | .1667 | 750*.1667=125.0250 |
| | | Haddock | .3333 | 550*.3333=183.3150 |
| | | Dogfish | .2308 | 1510*.2308=348.5080 |
| | Cod 2 | Cod | .8333 | 750*.8333=624.9750 |
| | | Haddock | .6667 | 550*.6667=366.6850 |
| | | Dogfish | 0 | 1510*0=0 |
| | Cod 3 | Cod | 0 | 750*0=0 |
| | | Haddock | 0 | 550*0=0 |
| | | Dogfish | .7692 | 1510*.7692=1161.4920 |
| Yellowtail | YT 1 | Cod | .1667 | 750*.1667=125.0250 |
| | | Haddock | .3333 | 550*.3333=183.3150 |
| | | Dogfish | .2308 | 1510*.2308=348.5080 |
| | YT 2 | Cod | .8333 | 750*.8333=624.9750 |
| | | Haddock | .6667 | 550*.6667=366.6850 |
| | | Dogfish | .7692 | 1510*.7692=1161.4920 |

4. Calculate the K_{all} for each stratum.

Sum the apportioned live weights within each stratum. See [Table 16](#).

Table 16: K_{all} Calculation

| Discard Species | Stratum | Kall-Species | Lsi |
|-----------------|---------|-----------------------------|------------------|
| Cod | Cod 1 | Cod | 125.0250 |
| | | Haddock | 183.3150 |
| | | Dogfish | 348.5080 |
| | | K_{all} | 656.8480 |
| | Cod 2 | Cod | 624.9750 |
| | | Haddock | 366.6850 |
| | | Dogfish | 0 |
| | | K_{all} | 991.6600 |
| | Cod 3 | Cod | 0 |
| | | Haddock | 0 |
| | | Dogfish | 1161.4920 |
| | | K_{all} | 1161.4920 |
| Yellowtail | YT 1 | Cod | 125.0250 |
| | | Haddock | 183.3150 |
| | | Dogfish | 348.5080 |
| | | K_{all} | 656.8480 |
| | YT 2 | Cod | 624.9750 |
| | | Haddock | 366.6850 |
| | | Dogfish | 1161.4920 |
| | | K_{all} | 2153.1520 |

5. Calculate the discards for each stratum.

Multiply the K_{all} for each stratum by the discard ratio you obtain from the SIMM download table. See [Table 17](#). The discards for Stratum i are:

$$D_i = R_i * K_{all\ i}$$

where:

R_i is the discard rate for Stratum i

$K_{all\ i}$ is the K_{all} for Stratum i

Table 17: Discards per Stratum

| Discard Species | Stratum | K_{all} Species | L_{si} and K_{all} | R_i =Dis.Rate | D_i =Discards |
|-----------------|---------|-----------------------------|------------------------|-----------------|--------------------------------|
| Cod | Cod 1 | Cod | 125.0250 | .01880 | 656.8480*.01880=12.3487 |
| | | Haddock | 183.3150 | | |
| | | Dogfish | 348.5080 | | |
| | | K_{all} | 656.8480 | | |
| | Cod 2 | Cod | 624.9750 | .01500 | 991.6600*.01500=14.8749 |
| | | Haddock | 366.6850 | | |
| | | Dogfish | 0 | | |
| | | K_{all} | 991.6600 | | |
| | Cod 3 | Cod | 0 | .01655 | 1161.4920*.0165=19.2227 |
| | | Haddock | 0 | | |
| | | Dogfish | 1161.4920 | | |
| | | K_{all} | 1161.4920 | | |
| Yellowtail | YT 1 | Cod | 125.0250 | .01722 | 656.8480*.01722=11.3109 |
| | | Haddock | 183.3150 | | |
| | | Dogfish | 348.5080 | | |
| | | K_{all} | 656.8480 | | |

| Discard Species | Stratum | K _{all} Species | L _{si} and K _{all} | R _i =Dis.Rate | Di=Discards |
|-----------------|---------|--------------------------|--------------------------------------|--------------------------|--------------------------------|
| | YT 2 | Cod | 624.9750 | .01112 | 2153.1520*.0111=23.9430 |
| | | Haddock | 366.6850 | | |
| | | Dogfish | 1161.4920 | | |
| | | K_{all} | 2153.1520 | | |

Additional Information about Skates

Skate species are sometimes difficult to distinguish, leading to mismatches between VTR and dealer species identification.

Skates appear in the present context as K_{all}-species. Because of frequent misidentification, skate species codes are best converted to a uniform code such as:

VTR code = SKATE

or

nespp3 = 365

prior to matching VTR to dealer species. You can do this without any loss of accuracy in the discard calculation.

Appendix D: 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.

Appendix E: Programming Specifications for the Sector Manager Reports

This section provides the technical specifications useful for programming for each of the sector manager reports (Detail Report, Trip Issue Report, and the ACE Status Reports).

Sector Manager Detail Report

The Sector Manager Detail Report provides information down to the stratum level about each sector trip for a given week, regardless of the completeness of the data.

- **Report Columns:** See Table 18 to learn how to format your Detail report columns.
- **Report Rows:** Each row of your Detail report should list trip data *per stratum*.

Table 18: Detail Report Fields

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------|----------------------|------------------|---|-----------|-----------------------------|------------------------|
| 1 | 1 | Week Ending Date | 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 | N/A | N/A |
| 2 | 2 | Sector Name | Sector Name | SECTOR_NAME | NERO sector name as listed on SIMM. | TEXT | 70 | 70 |
| 3 | 3 | Vessel Permit Number | Vessel Permit Number | PERMIT | Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). | NUMERIC | N/A | N/A |
| 4 | 4 | Trip ID | Trip ID | TRIP_ID | eVTR Trip ID or paper VTR serial number. | TEXT | 12 | 14 |

Preparing the Sector Manager Report

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-----------------------------|-----------------------------|------------------|---|-----------|-----------------------------|------------------------|
| 5 | 5 | Date Sold | 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. Date Sold may originate from one of three sources but should be assigned on a prioritized basis from: <ol style="list-style-type: none"> 1) Dealer receipt / sold to date, 2) VTR date sold, and 3) Observer reported landings. | DATE | N/A | N/A |
| 6 | 6 | Landing Source | Landing Source | DEAL_DATA_SRC | Code for source of landing data (landed weight of catch). Values: ASU = assumed, DLR = dealer, VTR = vessel, VMS = catch report. | TEXT | 3 | 3 |
| 7 | 7 | Area Source | Area Source | VESS_DATA_SRC | Code for source of area data (stock area fished and gear used). Values: ASU = assumed, DLR = dealer, VTR = vessel, VMS = catch report. | TEXT | 3 | 3 |
| 8 | 8 | Observer Data Quality Level | Observer Data Quality Level | OBS_DATA_QUAL | Reserved for future use. Value = NULL. | TEXT | 3 | 3 |
| 9 | 9 | Trip Observed? | Trip Observed | OBS_TRIP_FLAG | Flag indicating if trip was observed or not observed. Y = observed, N = not observed. | TEXT | 1 | 1 |
| 10 | 10 | Northeast Gear Code | Gear Code | NEGEAR | The 3-character standard gear code from the VTR form. | TEXT | 3 | 3 |

Preparing the Sector Manager Report

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------|---------------------|------------------|---|-----------|-----------------------------|------------------------|
| 11 | 11 | Mesh Category | Mesh Category | MESH_CAT | "ELM" = Extra Large Mesh (equal to or greater than 8 inches), "LM" = Large Mesh (less than 8 inches). ELM and LM only are applicable for gillnet gear. All other meshes are "NA". Consistent with discard rate strata. Obtain mesh size from the VTR. | TEXT | 6 | 6 |
| 12 | 12 | Species ITIS | Species ITIS | SPECIES_ITIS | Species ITIS code for the SIMM Dealer download table. | TEXT | 11 | 11 |
| 13 | 13 | Stock Area | Stock ID | STOCK_ID | An abbreviation for the Stock Area that incorporates both the species name and the area that species is assigned to. Includes Georges' Bank east & west. | TEXT | 15 | 15 |
| 14 | 14 | Landed Weight | Landed Weight | SPPLDLB | Landed weight (in pounds) of stock landed. The total weight should match dealer reported landings. | NUMERIC | N/A | N/A |
| 15 | 15 | Live Weight | Live Weight | SPPLVLB | Live weight (in pounds) of stock landed. | NUMERIC | N/A | N/A |
| 16 | 16 | Quantity Discard | Quantity Discard | DISCARDED | Observed or calculated live pounds of species discarded. | NUMERIC | N/A | N/A |
| 17 | 17 | ACE Deduction | Harvested ACE | HARV_DED | The cumulative number of live pounds of catch per stock caught on sector trips in current fishing year. | NUMERIC | N/A | N/A |
| 18 | 18 | Last Date Changed | Date Last Changed | RE_CHANGE_DATE | Date last updated (null if new record). | DATE | N/A | N/A |
| 19 | 19 | Dockside Monitored? | Dockside Monitored? | DSMFLAG | Flag indicating if trip was observed by dockside monitor. Y = Yes; N = No. | TEXT | 1 | 1 |
| 20 | 20 | Enforcement Issues? | Enforcement Issues? | ENFFLAG | Flag indicating if trip had any enforcement issues. Y = Yes; N = No. If "Y", must be documented in Trip Issue Report. | TEXT | 1 | 1 |

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 19 documents the Trip Issue Report field definitions.

Table 19: Trip Issue Report Fields

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------|----------------------|------------------|---|-----------|-----------------------------|------------------------|
| 1 | 1 | Week Ending Date | 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 | N/A | N/A |
| 2 | 2 | Sector Name | Sector Name | SECTOR_NAME | NERO sector name as listed on SIMM. | TEXT | 70 | 70 |
| 3 | 3 | Vessel Permit Number | Vessel Permit Number | PERMIT | Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS). | NUMERIC | N/A | N/A |
| 4 | 4 | Trip Identifier | Trip ID | TRIP_ID | eVTR Trip ID or paper VTR serial number. | NUMERIC | 14 | 14 |
| 5 | 5 | Enforcement Issues | Enforcement Issues | ENFRC | Sector manager notes any enforcement issues that have arisen during the week. Information would include the nature of the enforcement issue. | TEXT | 2500 | 2500 |
| 6 | 6 | Discrepancies | Discrepancies | DISCREP | Any discrepancies between reported and actual totals or trips. For example, a discrepancy noted by Dockside Monitors or roving monitors between dealers and offloads. | TEXT | 2500 | 2500 |

Preparing the Sector Manager Report

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------|--------------------|------------------|---|-----------|-----------------------------|------------------------|
| 7 | 7 | Other Issues | Other Issues | OTHER | Any other issues that NMFS personnel should be aware of in assessing sector operations. | TEXT | 2500 | 2500 |

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, harvested ACE, and the percent harvested to date. Table 20 documents the ACE Status Report field definitions.

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

Table 20: ACE Status Report Fields

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------|-----------------------|------------------|---|-----------|-----------------------------|------------------------|
| 1 | 1 | Week Ending Date | 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 | N/A | N/A |
| 2 | 2 | Sector Name | Sector Name | SECTOR_NAME | NERO sector name as listed on SIMM. | TEXT | 70 | 70 |
| 3 | 3 | Stock Area | Stock ID | STOCK_ID | An abbreviation for the Stock Area that incorporates both the species name and the area that species is assigned to. Includes Georges' Bank east & west. | TEXT | 15 | 15 |
| N/A | 4 | N/A | Initial Allocated ACE | INIT_ALLOC_ACE | The total number of (live) pounds of this stock allocated to the sector for all renewed permits in the current fishing year. | NUMERIC | N/A | N/A |
| N/A | 5 | N/A | Carryover | SECT_CARRYOVER | The amount, in live pounds, of unused ACE (up to 10% for an allowable stock) that a sector may carry over into the next fishing year for all renewed permits. | NUMERIC | N/A | N/A |

Preparing the Sector Manager Report

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------|--------------------------|--------------------------|--|-----------|-----------------------------|------------------------|
| N/A | 6 | N/A | In-season ACE Adjustment | SECT_IN_SEASON_ADJ | The adjusted amount (increase or decrease), in live pounds, applied to the Initial Allocated ACE of a stock allocated to a sector in season for all renewed permits. | NUMERIC | N/A | N/A |
| 4 | 7 | Total Original ACE | Total ACE | ORIG_ACE | The total number of live pounds of this stock initially allocated to the sector including Carryover and In-season ACE adjustment. | NUMERIC | N/A | N/A |
| N/A | 8 | N/A | Transfers In | SECT_TRANSFERS_IN_LBS | The cumulative number of live pounds per stock transferred into the sector for the current fishing year. | NUMERIC | N/A | N/A |
| N/A | 9 | N/A | Transfers Out | SECT_TRANSFERS_OUT_LBS | The cumulative number of live pounds per stock transferred out of the sector for the current fishing year. | NUMERIC | N/A | N/A |
| N/A | 10 | N/A | Total Transfers | SECT_TOTAL_TRANSFERS_LBS | The sum, in live pounds, of the Transfers In and Transfers Out columns per stock transferred by the sector for the current fishing year. | NUMERIC | N/A | N/A |
| 5 | 11 | Total Current ACE | Current ACE | CURR_ACE | Total ACE plus or minus Total Transfers. | NUMERIC | N/A | N/A |
| 6 | 12 | Harvested ACE | Harvested ACE | HARV_ACE | The cumulative number of live pounds of catch per stock caught on sector trips in current fishing year. | NUMERIC | N/A | N/A |

Preparing the Sector Manager Report

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------------|-------------------------------|------------------|--|-----------|-----------------------------|------------------------|
| 7 | 13 | Remaining ACE | Remaining ACE | RMNG_ACE | Current ACE minus Harvested ACE. | NUMERIC | N/A | N/A |
| 8 | 14 | Percent Harvested ACE to Date | Percent Harvested ACE to Date | PCNT_ACE | Harvested ACE divided by Current ACE, expressed as a percentage. | NUMERIC | N/A | N/A |

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.

Table 21 documents the ACE Status Report field definitions.

Table 21: Daily ACE Status Report Fields

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------|-----------------------|------------------|---|-----------|-----------------------------|------------------------|
| 1 | 1 | Submission Date | Submission Date | SUBD | Date the daily report is being submitted. | TEXT | N/A | N/A |
| 2 | 2 | Sector Name | Sector Name | SECTOR_NAME | NERO sector name as listed on SIMM. | TEXT | 70 | 70 |
| 3 | 3 | Stock Area | Stock ID | STOCK_ID | An abbreviation for the Stock Area that incorporates both the species name and the area that species is assigned to. Includes Georges' Bank east & west. | TEXT | 15 | 15 |
| N/A | 4 | N/A | Initial Allocated ACE | INIT_ALLOC_ACE | The total number of (live) pounds of this stock allocated to the sector for all renewed permits in the current fishing year. | NUMERIC | N/A | N/A |
| N/A | 5 | N/A | Carryover | SECT_CARRYOVER | The amount, in live pounds, of unused ACE (up to 10% for an allowable stock) that a sector may carry over into the next fishing year for all renewed permits. | NUMERIC | N/A | N/A |

Preparing the Sector Manager Report

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------|--------------------------|--------------------------|--|-----------|-----------------------------|------------------------|
| N/A | 6 | N/A | In-season ACE Adjustment | SECT_IN_SEASON_ADJ | The adjusted amount (increase or decrease), in live pounds, applied to the Initial Allocated ACE of a stock allocated to a sector in season for all renewed permits. | NUMERIC | N/A | N/A |
| 4 | 7 | Total Original ACE | Total ACE | ORIG_ACE | The total number of live pounds of this stock initially allocated to the sector including Carryover and In-season ACE adjustment. | NUMERIC | N/A | N/A |
| N/A | 8 | N/A | Transfers In | SECT_TRANSFERS_IN_LBS | The cumulative number of live pounds per stock transferred into the sector for the current fishing year. | NUMERIC | N/A | N/A |
| N/A | 9 | N/A | Transfers Out | SECT_TRANSFERS_OUT_LBS | The cumulative number of live pounds per stock transferred out of the sector for the current fishing year. | NUMERIC | N/A | N/A |
| N/A | 10 | N/A | Total Transfers | SECT_TOTAL_TRANSFERS_LBS | The sum, in live pounds, of the Transfers In and Transfers Out columns per stock transferred by the sector for the current fishing year. | NUMERIC | N/A | N/A |
| 5 | 11 | Total Current ACE | Current ACE | CURR_ACE | Total ACE plus or minus Total Transfers. | NUMERIC | N/A | N/A |
| 6 | 12 | Harvested ACE | Harvested ACE | HARV_ACE | The cumulative number of live pounds of catch per stock caught on sector trips in current fishing year. | NUMERIC | N/A | N/A |

Preparing the Sector Manager Report

| Original Column Order | New Column Order | Original Column Heading | New Column Heading | Data Column Name | Description | Data Type | Original Data Column Length | New Data Column Length |
|-----------------------|------------------|-------------------------------|-------------------------------|------------------|--|-----------|-----------------------------|------------------------|
| 7 | 13 | Remaining ACE | Remaining ACE | RMNG_ACE | Current ACE minus Harvested ACE. | NUMERIC | N/A | N/A |
| 8 | 14 | Percent Harvested ACE to Date | Percent Harvested ACE to Date | PCNT_ACE | Harvested ACE divided by Current ACE, expressed as a percentage. | NUMERIC | N/A | N/A |