

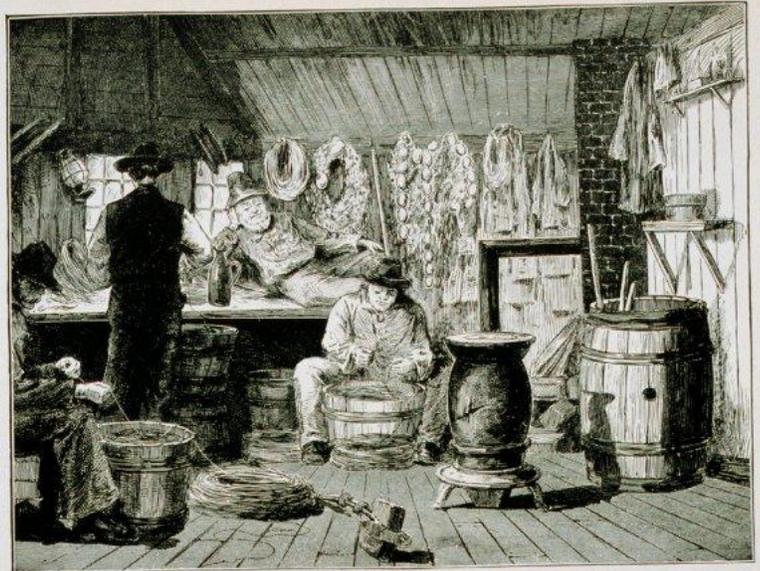


NOAA
FISHERIES
SERVICE

NORTHEAST
REGIONAL
OFFICE

Sector Comparison Reports Guide Rev. 2.0

Fishing Year 2012



THE HAKE FISHERY.

Overhauling the trawls in fish-house at Rockport, Mass. (Sect. v, vol. 3, p. 542.)
Drawing by H. W. Wilson.

PLATE 33

Table of Contents

Introduction.....	3
Using the Sector / NMFS Data Report	3
How the Report is Organized.....	3
Summary Comparison	5
How to Read the Summary Comparison Sheet.....	6
How Do I Use the Summary Comparison Sheet?.....	8
Initial Allocated ACE	9
Current ACE	9
Percent ACE.....	9
Harvested ACE from Detail Report vs. Harvested ACE from ACE Status Report.....	9
Differences in Percentage (NMFS – Sector)	9
VMS, VTR, and Dealer Trips / Landings	10
Estimated Trips / Landings	10
NMFS Orphans	10
Sector Orphans.....	12
How Do I Use the Sector Orphans Sheet?	14
Imputed Trips.....	15
What Does “Imputed” Mean?.....	15
How Are Imputations Calculated?.....	15
Imputed Trips Sheet.....	16
How Do I Use the Imputed Trips Sheet?	17
Landing Differences.....	17
How Do I Use the Landing Differences Sheet?.....	19
Discard Differences	20
How Do I Use the Discard Differences Sheet?.....	23

Introduction

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. To help with this task, use the Sector /NMFS Data Report.

Using the Sector / NMFS Data Report

The Sector / NMFS Data Report lets you see at a glance:

- Summary catch and ACE status data for your sector and every sector based on uploaded Sector Manager Reports. The purpose is to let you compare your numbers with those numbers that NMFS has, and to use the report as a basis to begin investigating if any numbers vary widely.
- Detailed *stock-level* information about landings, discards, and other data based on their uploaded reports, and to see how this information differs from information that NMFS has for their sector. This stock-level information shows *only* the data that differ between your sector and NMFS. When your data and NMFS data are identical, those data do not appear on the report.

Note: As a sector manager, you should receive the Sector / NMFS Data Report as an e-mail attachment by the close of the business day on Friday (unforeseen circumstances may cause exceptions to this; if so, you will receive notification). If you do not receive the report or a notification by then, contact NMFS.

How the Report is Organized

The Sector/NMFS Data Report is a single MS Excel file that contains several spreadsheets, each accessible by its own tab. These spreadsheets are listed in [Table 1](#).

Table 1: Data Report Sheets

Sheet	Sheet Contents	Information Level
Summary Comparison Pounds	Fishing-year-to-date totals (in pounds) for your sector.	Stock-level
Summary Comparison Metric Tons	Fishing-year-to-date totals (in metric tons) for your sector.	Stock-level
NMFS Orphans	NMFS records of trips, by stock, that your sector does not have.	Stock-level
Sector Orphans	Sector records of trips, by stock, that NMFS does not have.	Stock-level

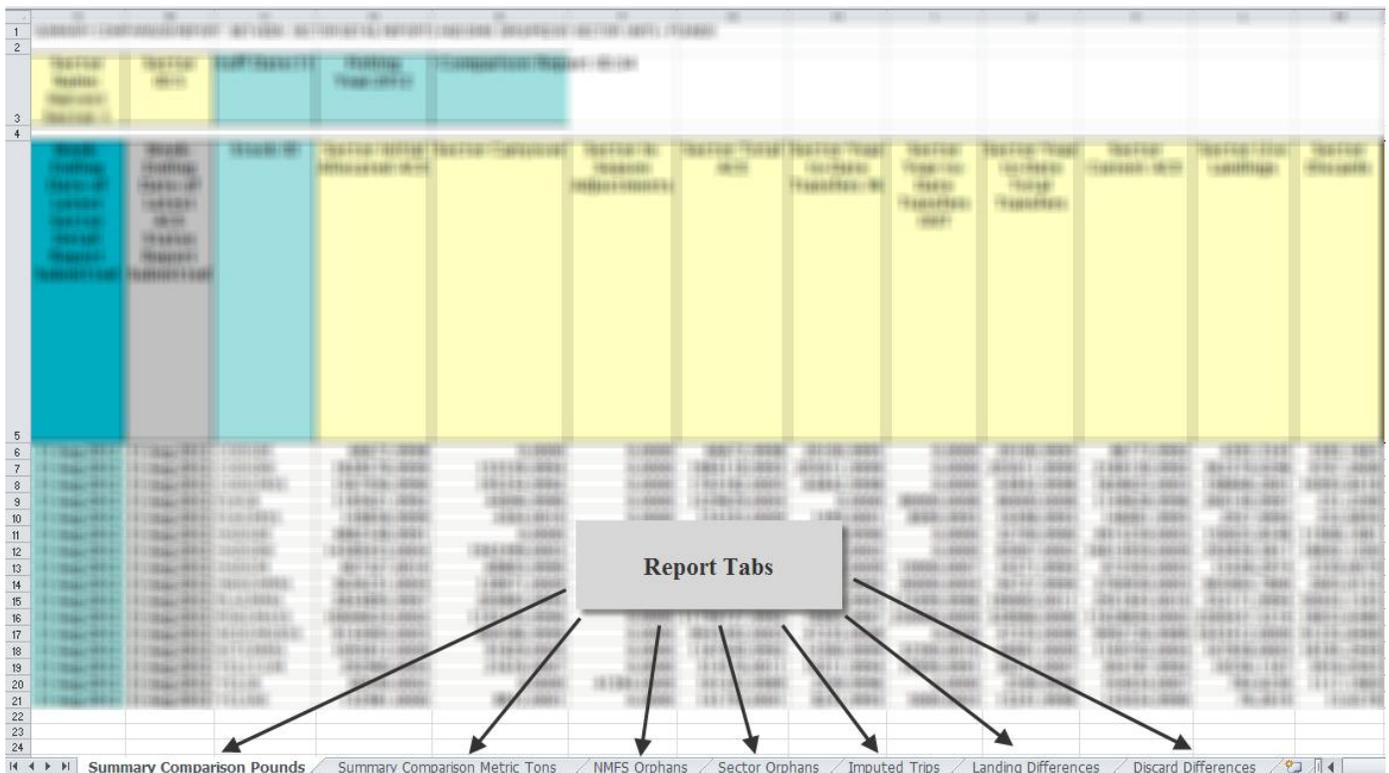
Sector Comparison Reports Guide

Sheet	Sheet Contents	Information Level
Imputed Trips	Trips in your sector since the start of the fishing year that currently have imputed pounds assessed.	Trip-level
Landing Differences	Each stratum (area, gear, and mesh) in the current week that has a difference in landings reported by NMFS and landings reported by the sector.	Stock-level
Discard Differences	Each stratum (area, gear, and mesh) in the current week that has a difference in discard poundage recorded by NMFS and discards recorded by the sector.	Stock-level

Note: There are two Summary Comparison sheets, one for totals displayed in *pounds* and one for totals displayed in *metric tons*. This weight expression is the only difference between the two sheets. This document discusses the Summary Comparison Pounds sheet.

Click the appropriate tab at the bottom of the Excel workbook to access each of the sheets, as in [Figure 1](#).

Figure 1: Sector / NMFS Data Report -- Tabs



Each of the following sections of this document describes these different collections of data.

Summary Comparison

The Summary Comparison sheet shows fishing-year-to-date totals for your sector. The cumulative totals include landings, discards, catch, imputations, and ACE transfers. See [Figure 2](#) and [Figure 3](#) for an example of what the sheet displays (both figures comprise the entire sheet).

Figure 2: Summary Comparison Sheet – Sector Data

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
2	SUMMARY COMPARISON REPORT BETWEEN SECTOR DETAIL REPORTS AND DMS GROUPED BY SECTOR UNITS - POUNDS																
3	Sector Name:	Sector ID:		Fishing Year:2012	Comparison Report ID:												
4	Week-Ending Date of Latest Sector Detail Report Submitted	Week-Ending Date of Latest ACE Status Report Submitted	Stock ID	Sector Initial Allocated ACE	Sector Carryover	Sector In-Season Adjustments	Sector Total ACE	Sector Year-to-Date Transfers IN	Sector Year-to-Date Transfers OUT	Sector Year-to-Date Total Transfers	Sector Current ACE	Sector Live Landings	Sector Discards	Sector Harvested ACE (from Sector ACE Status Report)	Sector Harvested ACE (from Sector Detail Report)	Sector Percent ACE	
5	04-Aug-2012	04-Aug-2012	CODGBE	66672.9998	0.0000	0.0000	66672.9998	20100.9995	0.0000	20100.9995	86773.9992	3321.1251	3547.9389	6869.0640	6869.0000	8	
6	04-Aug-2012	04-Aug-2012	CODGBW	1828578.9999	155539.9994	0.0000	1984118.9993	203447.0001	0.0000	203447.0001	2187565.9993	337145.3512	9437.0569	346582.4081	346582.0002	16	
7	04-Aug-2012	04-Aug-2012	CODGMSS	1567936.9990	195244.9992	0.0000	1763182.0005	47181.9995	0.0000	47181.9995	1810364.0000	184132.7951	16043.3122	200176.1095	200156.9998	11	
8	04-Aug-2012	04-Aug-2012	FLWGB	1185621.9992	44006.9990	0.0000	1229629.0004	0.0000	80000.0008	80000.0008	1149628.9996	259560.0008	228.5157	259788.5165	259788.9993	23	
9	04-Aug-2012	04-Aug-2012	FLWGMSS	149858.9999	4304.0010	0.0000	154163.0009	803.9994	8999.9993	9804.0009	145967.0010	2935.9996	247.7467	3183.7462	3183.9998	2	
10	04-Aug-2012	04-Aug-2012	HADGBE	4882548.9991	0.0000	0.0000	4882548.9991	32709.9990	0.0000	32709.9990	4915259.0003	145629.9297	11605.6714	157235.6011	157236.0001	3	
11	04-Aug-2012	04-Aug-2012	HADGBW	14589453.0004	1942499.0003	0.0000	16531952.0007	79023.0003	0.0000	79023.0003	16610975.0009	287250.9229	18066.2496	305317.1725	305317.0006	2	
12	04-Aug-2012	04-Aug-2012	HADGM	607327.0010	68803.9990	0.0000	676131.0000	2755.0000	10000.0007	12755.0007	668885.9994	14364.5846	1862.4850	16227.0697	16226.9991	2	
13	04-Aug-2012	04-Aug-2012	HKWGMMA	3626231.0004	128971.0009	0.0000	3755201.9990	52733.9999	40000.0004	40000.0004	92734.0003	3767936.0007	625805.4600	2280.0824	628085.5424	628086.0010	17
14	04-Aug-2012	04-Aug-2012	PLAGMMA	2844895.9997	269883.9994	0.0000	3114779.9991	5197.0010	175999.9996	181197.0006	2943977.0005	314632.0007	47207.8465	361839.5400	361839.9993	12	
15	04-Aug-2012	04-Aug-2012	REDGMSS	10606624.0002	1193103.9990	0.0000	11799727.9992	62410.9991	250000.0009	312410.9999	11612138.9996	2078131.6057	14543.2208	2092674.8265	2092675.0007	18	
16	04-Aug-2012	04-Aug-2012	REDGMSS	9144905.0003	800586.9999	0.0000	9945492.0003	33561.0010	0.0000	33561.0010	9979052.9991	1535787.9993	73125.7472	1608913.7465	1608914.0000	16	
17	04-Aug-2012	04-Aug-2012	WITGMMA	1095812.0009	91829.0005	0.0000	1187640.9992	11786.0007	32300.0010	44085.9995	1167126.9990	102425.9997	17738.1753	120164.1751	120164.0009	10	
18	04-Aug-2012	04-Aug-2012	YELCCGM	292960.0004	21616.0007	0.0000	314576.0011	6931.9993	19999.9991	26932.0006	301507.9991	10465.0217	5814.0815	16279.1032	16278.9996	5	
19	04-Aug-2012	04-Aug-2012	YELGB	60040.0002	0.0000	41394.0009	101433.9989	2599.9996	0.0000	2599.9996	104034.0007	698.7177	1116.8971	1815.6148	1816.0006	2	
20	04-Aug-2012	04-Aug-2012	YELSNE	132981.0000	8812.0001	0.0000	141793.0001	8241.9993	5000.0003	13241.9996	145034.9990	78.2619	13.6378	91.8975	91.9989	0	

Figure 3: Summary Comparison Sheet - NMFS Data

1	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
2																							
3																							
4	NMFS Initial Allocated ACE	NMFS Carryover	NMFS In-Season Adjustments	NMFS Total ACE	NMFS Year-to-Date Transfers IN	NMFS Year-to-Date Transfers OUT	NMFS Year-to-Date Total Transfers (IN - OUT)	NMFS Current ACE (adjusts to exclude transfers occurring after week ending report date)	NMFS YMS Trips	NMFS YMS Landings	NMFS YTR Trips	NMFS YTR Landings	NMFS Dealer Trips	NMFS Dealer Landings	NMFS YTR + Dealer Matches Trips	NMFS YTR + Dealer Matches Landings	NMFS Bait or Home Consumption	NMFS Estimated Trips	NMFS Estimated Landings	NMFS Discards	NMFS Harvested ACE (Includes YMS, YTR, Dealer, Matches, BHC, Estimated and Discards)	NMFS Percent ACE (adjusted to exclude transfers occurring after week ending report date)	Difference in ACE Percentages (NMFS - Sector)
5	56673.3657	0.0000	0.0000	66673.3657	20100.9995	0.0000	20100.9995	86774.3674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	46	4426.8851	0.0000	0.0000	2438.8613	6864.8663	8	0	
6	1828578.9999	155540.0000	0.0000	1984118.9993	203447.0001	0.0000	203447.0001	2187565.9993	0.0000	0.0000	0.0000	2	4178.4001	85	338732.8525	0.0000	7	2785.2210	15087.7857	352784.5670	16	0	
7	1564342.9398	195245.0000	0.0000	1749588.1012	47181.9995	0.0000	47181.9995	1796770.1007	0.0000	0.0000	17	16839.4455	8	4896.5391	185	177077.4891	1.8836	6	3031.9646	14387.7574	216241.4370	12	1
8	1185622.2373	44007.0000	0.0000	1229629.2385	0.0000	80000.0008	-80000.0008	1149629.2377	0.0000	0.0000	0.0000	0.0000	0.0000	42	258672.9995	0.0000	0.0000	212.7086	258885.7081	23	0		
9	149716.5284	4304.0000	0.0000	154020.5294	803.9994	8999.9993	-8195.9999	145824.5295	0.0000	0.0000	17	273.3993	0.0000	66	2709.0006	0.0000	2	41.7203	182.8712	3207.5892	2	0	
10	4882548.9991	0.0000	0.0000	4882548.9991	32709.9990	0.0000	32709.9990	4915258.9991	0.0000	0.0000	0.0000	0.0000	0.0000	46	139951.7301	113.8996	0.0000	0.0000	8941.0368	149006.6664	3	0	
11	14589453.0004	1942499.0000	0.0000	16531952.0004	79023.0003	0.0000	79023.0003	16610974.5680	0.0000	0.0000	1	34.8594	2	1165.3989	84	284986.7336	273.3600	6	1435.2071	29187.3759	317085.8471	2	0
12	607327.0010	68804.0000	0.0000	676131.0010	2755.0000	10000.0007	-7245.0006	668755.5489	0.0000	0.0000	16	933.9796	2	2083.3989	138	12996.1250	558.2488	6	112.8987	3643.3263	19429.5706	3	1
13	3620771.9447	128971.0000	0.0000	3749742.9456	52733.9999	40000.0004	12733.9995	3762476.9450	0.0000	0.0000	15	705.8956	0.0000	206	590053.0056	91.1193	13	16545.5715	2606.9177	655678.7116	17	1	
14	2848928.6446	263884.0000	0.0000	3110812.6446	5197.9997	175939.9996	-170801.9999	2940010.6441	0.0000	0.0000	18	1006.0002	9	10923.3999	209	310781.9999	140.0002	13	7587.2572	52996.5087	383435.7660	13	1
15	10582321.0011	1193104.0000	0.0000	11775425.0022	62410.9991	250000.0009	-187589.0018	11587836.0004	0.0000	0.0000	15	9530.7952	10	78260.0002	219	2015488.0542	166.5504	13	32545.3619	27495.1318	2163486.4960	19	1
16	9136621.9928	800587.0000	0.0000	9937208.9928	33561.0010	0.0000	33561.0010	9979052.9991	0.0000	0.0000	9	191.9999	10	76832.9997	197	1454655.9953	214.3992	13	8194.0522	14262.8211	1682178.9074	17	1
17	1095812.0009	91829.0000	0.0000	1187441.0009	11786.0007	0.0000	11786.0007	1167126.9990	0.0000	0.0000	18	670.3989	9	6162.0002	208	101879.9995	10.0002	13	18517.706	16044.0177	125066.7892	11	1
18	292664.4641	21616.0000	0.0000	314280.4641	3331.9996	24999.9994	-21067.9999	253212.4643	0.0000	0.0000	16	425.9992	0.0000	63	12097.7233	0.0000	5	76.5445	3992.6157	16592.8827	6	1	
19	60039.3983	0.0000	41394.0009	101434.4017	599.9991	0.0000	599.9991	102034.4808	0.0000	0.0000	0.0000	0.0000	0.0000	13	697.0157	0.0000	0.0000	0.0000	1002.5345	1699.5480	2	0	
20	132980.9493	8812.0000	0.0000	141792.9494	8241.9993	5000.0003	3241.9990	145034.9505	0.0000	0.0000	0.0000	0.0000	0.0000	1	78.2619	0.0000	1	0.5159	440.9267	519.7045	0	0	

How to Read the Summary Comparison Sheet

The Summary Comparison sheet is divided into two main parts:

- Sector data
Landings data from the Sector Detail and Sector ACE Status reports that your sector has submitted to NMFS.
- NMFS data
Landings data that include the number of trips and total live weight landings to date for a particular stock, categorized by data source. Sources include VMS catch reports, dealer reports, VTRs, observer reports, and permits.

See [Table 2](#) immediately following for detailed explanation of each column in the Summary Comparison sheet.

Table 2: Summary Comparison Sheet

Field	Description
Week-Ending Date of Latest Sector Detail Report Submitted	The Saturday ending the last week included in the report.
Week-Ending Date of Latest ACE Status Report Submitted	The Saturday ending the last week included in the report
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.
Sector Data (from Sector Reports)	
Sector Initial Allocated ACE	Sector's record of the total number of (live) pounds of this stock allocated to the sector for all renewed permits in the current fishing year.
Sector Carryover	Sector's record of 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.
Sector In-Season Adjustments	Sector's record of 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.
Sector Total ACE	Sector's record of the total number of live pounds of this stock initially allocated to the sector including Carryover and In-season ACE adjustment.
Sector Year-to-Date Transfers IN	Sector's record of the cumulative number of live pounds per stock transferred into the sector for the current fishing year.
Sector Year-to-Date Transfers OUT	Sector's record of the cumulative number of live pounds per stock transferred out of the sector for the current fishing year.
Sector Year-to-Date Total Transfers	Sector's record of the sum, in live pounds, of the Transfers In and Transfers Out columns per stock transferred by the sector for the current fishing year.
Sector Current ACE	Sector's record of Total ACE plus or minus Total Transfers.

Sector Comparison Reports Guide

Field	Description
Sector Live Landings	Data submitted by the sector for the sum of live weights (in pounds) reported for each trip for a particular stock for the entire sector.
Sector Discards	Data submitted by the sector for the sum of discards reported for each trip in a sector for a particular stock. Includes both the amount of observed discards and the amount of discards calculated using the appropriate discard ratio for unobserved trips.
Sector Harvested ACE (from Sector ACE Status Report)	The cumulative (across all trips) number of live pounds of catch per stock caught on sector trips in current fishing year. The Harvested ACE from the ACE Status Report should be equal to the Harvested ACE from the Sector Detail Report in the column to the left. In this respect it acts as a check of the data.
Sector Harvested ACE (from Sector Detail Report)	The cumulative (per trip) number of live pounds of catch per stock caught on sector trips in current fishing year. Harvested ACE should be equal to the sum of the Live Landings and Discard fields in the columns to the left. Live Landings , Discards , and Harvested ACE will be reflected in the Sector Detail Report also.
Sector Percent ACE	Percentage of the stock's current ACE harvested to date by the sector. Percent ACE is Harvested ACE plus Discards from the Sector Detail Report <i>divided by</i> the sector-reported Current ACE (in the columns to the left). Percent ACE should equal Percent Harvested ACE to Date in the Sector Manager ACE Status Report.
NMFS Data (extracted from SIMM)	
NMFS Initial Allocated ACE	NMFS record of the total number of (live) pounds of this stock allocated to the sector for all renewed permits in the current fishing year.
NMFS Carryover	NMFS record of 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.
NMFS In-Season Adjustments	NMFS record of 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.
NMFS Total ACE	NMFS record of the total number of live pounds of this stock initially allocated to the sector including Carryover and In-season ACE adjustment.
NMFS Year-to-Date Transfers IN	NMFS's record of the cumulative number of live pounds per stock transferred into the sector for the current fishing year..
NMFS Year-to-Date Transfers Out	NMFS's record of the cumulative number of live pounds per stock transferred out of the sector for the current fishing year.
NMFS Year-to-Date Total Transfers (IN – OUT)	NMFS's record of the sum, in live pounds, of the Transfers In and Transfers Out columns per stock transferred by the sector for the current fishing year.
NMFS Current ACE	NMFS's record of Total ACE plus or minus Total Transfers.
NMFS VMS Trips	Number of trips reported from VMS declarations. Used by NMFS only when neither a VTR nor dealer report exists for a trip.
NMFS VMS Landings	Landings reported on the VMS Catch Report. Used by NMFS only when neither a VTR nor dealer report exists for a trip.
NMFS VTR Trips	Number of trips reported from the VTR that recorded catch with this stock. Used when there is a VTR but no Dealer report.

Sector Comparison Reports Guide

Field	Description
NMFS VTR Landings	Landings of this stock reported on the VTR. Used when there is a VTR but there is no matching Dealer report.
NMFS Dealer Trips	Number of trips reported from the Dealer report that recorded catch with this stock. Used when a dealer has reported but no VTR exists.
NMFS Dealer Landings	Landings reported on the Dealer report. Used when there is a dealer report but no matching VTR. Stock ID is determined from stock area and other information provided in the VMS trip declaration or VMS catch report.
NMFS VTR + Dealer Matches Trips	Dealer-reported trips and vessel-reported trips match.
NMFS VTR + Dealer Matches Landings	Dealer-reported landings and vessel-reported landings match. The stock ID is from the VTR. These VTR/Dealer matches provide the most reliable indicators of trip data.
NMFS Bait or Home Consumption	Landings of this stock recorded on the VTR as bait or home consumption. Counts against the sector ACE.
NMFS Estimated Trips	Data from VMS records only that indicate a trip has occurred; however, there are no matched catch reports, VTRs, or Dealer reports for this trip.
NMFS Estimated Landings	Data from VMS records only that indicate a trip has occurred; however, there are no matched catch reports, VTRs, or Dealer reports for this trip. Therefore, this is imputed data, and is used as a "placeholder" in the Percent ACE and Harvested ACE estimates.
NMFS Discards	<p>Sum-to-date per stock of discards for all observed trips added to discards estimates for unobserved trips, as obtained from NMFS databases.</p> <p>The discard data for unobserved trips are based on a calculated estimate. This estimate is calculated in the same way for NMFS and for sectors, so the numbers should be identical.</p>
NMFS Harvested ACE	<p>The cumulative number of live pounds of catch per stock caught on sector trips in current fishing year, as found in NMFS records.</p> <p>Harvested ACE equals the sum of the NMFS landings data plus discards. Harvested ACE may include imputed data as a placeholder.</p>
NMFS Percent ACE	<p>NMFS determination of the stock's current ACE percentage for the sector.</p> <p>Calculated by dividing Harvested ACE plus Discards by Current ACE. This may include imputed data as a placeholder.</p>
Difference in ACE Percentages (NMFS – Sector)	<p>Compares sector Percent ACE with NMFS' Percent ACE.</p> <p>Positive number (no minus sign) means that NMFS has a higher recorded Percent ACE than you reported. Negative number (minus sign) means that you have a higher recorded Percent ACE than NMFS has.</p>

Note: If you need to communicate with NMFS personnel about the week's Data Report, reference the sheet by the **Summary Comparison Report ID** number at the top of the sheet.

How Do I Use the Summary Comparison Sheet?

The Sector/NMFS Summary Comparison sheet is set up so you can compare your data with NMFS data side-by-side. The data on this report are cumulative from the start of the fishing year

by stock. In other words, you are looking at relatively large numbers and, therefore, you should be looking for *larger* trends. You can get more specific information at the stock level from the other sheets.

Is there anything particular that you should look for in the Sector/NMFS Data Report? All of the data are useful, but make sure to look at the following:

- [Initial Allocated ACE](#)
- [Current ACE](#)
- [Percent ACE](#)
- [Harvested ACE from Detail Report Vs. Harvested ACE from ACE Status Report](#)
- [Differences in Percentage \(NMFS-Sector\)](#)
- [VMS, VTR, and Dealer Trips / Landings](#)
- [Estimated Trips / Landings](#)

Initial Allocated ACE

The value of **Initial Allocated ACE** in your data should exactly match the value of **Initial Allocated ACE** in NMFS data. This value is the basis upon which all the other ACE numbers depend. If these values are different, one explanation is that you did not record a mid-season adjustment by NMFS to a stock. Another might be a carryover value is missing.

Current ACE

The value of **Current ACE** in your data should exactly match the value of **Current ACE** in NMFS data. If these values are different, one possibility is that a problem exists with recording ACE transfers.

Percent ACE

This is your ACE expressed as a percentage. If the value of **Percent ACE** in your sector data differs by more than a percentage point from the value of **Percent ACE** in NMFS data, this should serve as the basis for further investigation. For example, if your **Percent ACE** is 27% and the NMFS **Percent ACE** is 31%, you should take a closer look. Start by looking at **Harvested ACE** and **Discards** numbers for that stock.

Also, you should track the rate by which the ACE percentage increases for each stock week-to-week so that your sector does not approach the ACE threshold for any stock too rapidly.

Harvested ACE from Detail Report vs. Harvested ACE from ACE Status Report

Make sure that the **Harvested ACE** values in your Sector Detail Report match the **Harvested ACE** values in your ACE Status Report. If these numbers disagree by more than a few pounds, examine your methods for preparing your sector reports.

Differences in Percentage (NMFS – Sector)

Sort the values in this column in descending order (highest to lowest). If any value is above 3 percent, as a “rule of thumb” you should prioritize this investigation.

For example, suppose the **Percent ACE** values between the sector and NMFS for HADGM differ by 6 percent, and that there is a large discrepancy between the sector **Harvested ACE** total (58000) and NMFS **Harvested ACE** total (98000) for HADGM.

Also suppose that NMFS has recorded a total of 81000 for **VTR + Dealer Matches** for HADGM. This total would greatly exceed the entire **Harvested ACE** total that your sector has, and **VTR + Dealer Matches** are the most reliable data. This suggests, at a minimum, that you might not be receiving VTRs from the vessels that regularly fish for Gulf of Maine haddock or that data are being dropped from your reports.

VMS, VTR, and Dealer Trips / Landings

Trips and landings are best documented when the VTR(s) for the trip match up with the dealer records for that same trip. In other words, you want to see as many trips / landings fall under the **VTR + Dealer Matches** category as possible.

Estimated Trips / Landings

Estimated data allows NMFS to anticipate the data that has not yet been received. Because of time lags in submission and processing, a VTR or dealer report may not yet “exist” in the NMFS databases. This is the reason imputed data is used as a placeholder. As actual data become available, those data replace the imputed data.

Estimated data are based on a VMS declaration, which lacks any associated catch information. In this case, an estimate of what the trip catch would have likely yielded, based on stat area and vessel history, is used.

Sort the values in **Estimated Data** by descending order using the number of trips, and again by using the amount of estimated pounds. A high number for either category means that NMFS is not receiving the two most important pieces of documentation for trips: VTRs and dealer records. Also, refer to the **Sector Orphans** sheet, which shows you sector trips that NMFS does not yet have recorded.

NMFS Orphans

A “NMFS orphan” means that NMFS has a record of a trip that your sector does not have. See [Figure 4](#) for an example of what the NMFS Orphans sheet looks like.

Figure 4: NMFS Orphans

	A	B	C	D	E	F	G	H	I	J
1	NMFS Orphans	Report Exported on :	17-AUG-12							
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

See [Table 3](#) immediately following for detailed explanation of each column in the NMFS Orphans sheet.

Table 3: NMFS Orphans Field Descriptions

Field	Description
Sector ID	Number that uniquely identifies the sector for the NMFS data systems.
Permit Number	The Vessel Permit Number (VPN) of the vessel that landed the fish. Permits are assigned by the Northeast Regional Office's Vessel Permit System (VPS).
Doc ID	Unique identifier for a trip, which may include one or more VTRs. Generated by NMFS at the time that VTRs are entered into NMFS data systems.
VTR Serial Number	Unique, eight-digit number in the top right portion of the first page of the VTR. Serves as universal trip ID. Can also be the eVTR number in 14-digit format.
NE Gear	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..
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.
Species ITIS Code	The 6-digit Integrated Taxonomic Information System (ITIS) serial number for a species. ITIS codes are unique identifiers representing information for a species.
NMFS Live Pounds	NMFS record of live weight (in pounds) of stock landed from dealer reports.

Field	Description
Date Sold	<p>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:</p> <ol style="list-style-type: none"> 1) Dealer receipt / sold to date, 2) VTR date sold, and 3) Observer reported landings.

How Do I Use the NMFS Orphans Sheet?

A good area to concentrate on initially is the part of the report that has data that you can cross-check right away:

- **VTRs** — Use your recordkeeping facilities to check on these VTR numbers. You can sort the contents of the NMFS Orphans sheet by **VTR Serial Number**, as in [Figure 4](#). This shows clearly the missing trips by VTR.
- **Date Sold** — Check the **Date Sold** value for each trip against the records you have already.
- **Permit numbers** — Check with the owner of the vessel to get more information about this trip, including the dealer who handled the catch.

Sector Orphans

A “sector orphan” means that your sector has a record of a trip or sub-trip that NMFS does not have. See [Figure 5](#) for an example of what the Sector Orphans sheet looks like.

Figure 5: Sector Orphans

	A	B	C	D	E	F	G	H	I	J
1	Sector Orphans	Report Exported on : 17-AUG-12								
2										
3	Sector:									
4										
5	Sector ID	SDR Permit Number	NMFS Doc ID	VTR Serial Number	NE Gear	Mesh Category	SDR Stock ID	Species ITIS Code	Date Sold	SDR Live Pounds
6			3985708	56	OTF	NA	REDGMGBSS	166774	26-Jul-2012	53937
7			NULL	51	OTF	NA	REDGMGBSS	166774	17-Jul-2012	48375
8			NULL	51	OTF	NA	POKGMASS	164727	17-Jul-2012	15747
9			3944180	60	OTF	NA	POKGMASS	164727	07-Jun-2012	12384
10			3974443	31	OTF	NA	POKGMASS	164727	25-Jul-2012	9895
11			NULL	31	GNS	LM	POKGMASS	164727	20-Jul-2012	9678
12			3944180	60	OTF	NA	POKGMASS	164727	07-Jun-2012	7325
13			NULL	52	GNS	LM	POKGMASS	164727	27-Jun-2012	6394
14			NULL	08	OTF	NA	HKWGMMA	164732	30-Jul-2012	5930
15			3966413	62	OTF	NA	REDGMGBSS	166774	19-Jul-2012	5723
16			3989432	67	OTF	NA	PLAGMMA	172877	27-Jul-2012	5700

See [Table 4](#) immediately following for detailed explanation of each column in the Sector Orphans sheet.

Table 4: Sector Orphans Field Descriptions

Field	Description
Sector ID	Number that uniquely identifies the sector to the NMFS data systems.
SDR Permit Number	The Vessel Permit Number (VPN) of the vessel that landed the fish as recorded on the Sector Detail Report. Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS).
NMFS Doc ID	Unique identifier for a trip, which may include one or more VTRs. Generated by NMFS at the time that VTRs are entered into data systems.
VTR Serial Number	Unique, eight-digit number in the top right portion of the first page of the VTR. Serves as universal trip ID. Could also be eVTR number in 14-digit format.
NE Gear	The 3-character standard gear code from the VTR form.

Field	Description
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.
SDR Stock ID	As reported on the Sector Detail Report, 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. Same as Stock ID .
Species ITIS Code	The 6-digit Integrated Taxonomic Information System (ITIS) serial number for a species. ITIS codes are unique identifiers representing information for a species.
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.
SDR Live Pounds	Live weight (in pounds) of stock landed, as reported on the Sector Detail Report.

How Do I Use the Sector Orphans Sheet?

There are several things to pay attention to when examining the Sector Orphans sheet.

- Sector Orphans records will parallel the results in the Landings Differences sheet because both reports show what NMFS does not have a record of.
- You can sort on **NMFS Doc ID** to order the list by VTRs in ascending order. This way you can investigate on a trip or subtrip basis.
 NMFS may have erroneous data because, for example, the stock/species that the dealer reported to NMFS might be in error, or there could have been a VTR data entry error. These types of errors would cause an unwarranted addition to your ACE. The RTL Detail Report gives you the opportunity to discover possible errors and help ensure that they get fixed.
- The **SDR Live Pounds** column shows live weight as recorded by the dealer. A value of "0" means that NMFS has no record of this catch, and most likely has not received the Dealer report.
- Bait/home consumption — Be aware that the dealer is not required to report certain categories of catch such as bait and home consumption, but sectors must include these "non-dealer" catch totals when computing the catch total for a trip.
- Gear/Mesh
 - A mismatch between the gear type and the mesh category creates a sector orphan.
 - All gear types except "gillnet" should have "NA" as the mesh type; otherwise, the record becomes a sector orphan.

Imputed Trips

The Imputed Trips sheet shows all the trips in your sector since the start of the fishing year that are currently based on imputed data.

What Does “Imputed” Mean?

“Imputed” in this case means “estimated.” For the multispecies quota monitoring program, NMFS must estimate the total species landings and the statistical areas for groundfish trips if there are no available source data. These source data are the following:

- Dealer report
- VMS multispecies catch report
- Vessel Tracking Report (VTR)

If none of these source data from a trip are available, NMFS estimates the data in order to improve the accuracy of current groundfish stock projections until the trip source records become officially available.

How Are Imputations Calculated?

Calculating imputations involves two basic elements: comparing similar trips and using weighted averages.

Similar Trips

The calculation uses the duration of the trip (“trip length”) that the vessel reported to NMFS in the VMS Declaration. This trip length is then compared with trip lengths of groundfish trips in the past (“historical trips”) in this sector. These historical trips have either a VTR or a VTR with matched Dealer Reports. If there are enough historical trips to compare, NMFS further narrows the comparison to historical trips that have the following:

- the same vessel permit
- the VMS trip activity code’s declared gear
- the VMS trip activity code’s broad stock area

The result is a list of historical trips that vary in similarity to the trip reported by the VMS Declaration.

Weighted Averages

A *weighted* average is an average that results from multiplying each component by a factor that reflects that component’s greater or lesser importance. For example, if one component of all the components to be averaged is more important than the others, that component is given more mathematical “weight” when averaging takes place.

In this case, NMFS averages historical trips so that the result is an imputed trip with reasonable totals. However, the closer in time that the historical trip is to the imputed trip, the more “weight” that particular historical trip has when all the trips are averaged for the final result.

Imputed Trips Sheet

See [Figure 6](#) for an example of what the Imputed Trips sheet looks like.

Figure 6: Imputed Trips

	A	B	C	D	E	F	G	H
1	Imputed Trips	Report Exported on : 17-AUG-12						
2								
3	Sector:							
4								
5	Sector ID	Permit Number	Days at Sea ID Number	Activity Code	AMS Sail Date	AMS Landing Date	Trip Length Days	Trip Length In Hours
6	03		03	NMS-MUL-OPDXA	08-Jun-2012	08-Jun-2012	1	15
7	49		49	NMS-MUL-OPDXA	28-Jun-2012	29-Jun-2012	1	30
8	30		30	NMS-MUL-OPDXA	15-Jul-2012	15-Jul-2012	0	12
9	55		55	NMS-MUL-OPDXA	09-Aug-2012	10-Aug-2012	2	37
10	42		42	NMS-MUL-OPXTX	10-Aug-2012	13-Aug-2012	3	78
11	62		62	NMS-MUL-OPXTX	21-Jun-2012	25-Jun-2012	4	101
12	57		57	NMS-MUL-OPXTX	06-Aug-2012	10-Aug-2012	3	81
13	93		93	NMS-MNK-O4AWXK	01-Aug-2012	02-Aug-2012	1	25
14	72		72	NMS-MNK-O4AWXK	02-Aug-2012	07-Aug-2012	6	132
15	33		33	NMS-MNK-OPXWXA	08-Aug-2012	10-Aug-2012	2	57
16	37		37	NMS-MNK-OPXWXA	09-Aug-2012	10-Aug-2012	2	38
17	07		07	NMS-MUL-OPAWXD	22-May-2012	22-May-2012	0	4
18	22		22	NMS-MNK-OPAWXE	09-Aug-2012	10-Aug-2012	2	42
19	43		43	NMS-MNK-O4XWVK	30-Jul-2012	05-Aug-2012	6	145
20	23		23	NMS-MNK-OPAWXA	26-Jul-2012	04-Aug-2012	9	217

See [Table 5](#) immediately following for detailed explanation of each column in the Imputed Trips sheet.

Table 5: Imputed Trips Field Descriptions

Field	Description
Sector ID	Number that uniquely identifies the sector to the NMFS data systems.
Permit Number	The Vessel Permit Number (VPN) of the vessel that landed the fish. Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS).
Days at Sea ID Number	Days At Sea record identification, which the VMS system uses to uniquely identify a trip.
Activity Code	The VMS activity code that gets logged into the AMS system. (You can change your activity code within AMS if, for example, you took your vessel on a non-fishing trip and crossed the demarcation line.)
AMS Sail Date	Date that the vessel declared the start of a fishing trip through the VMS system, which sends the information to the AMS system.
AMS Landing Date	Date that the vessel declared the end of a fishing trip to the VMS system, which sends the information to the AMS system.
Trip Length Days	The time (in days) that the vessel spent on a fishing trip. This value matches the time between the AMS Sail Date and AMS Landing Date .
Trip Length in Hours	The time (in hours) that the vessel spent on a fishing trip. This value matches the time between the AMS Sail Date and AMS Landing Date .

How Do I Use the Imputed Trips Sheet?

The VMS Declaration is one data input stream into the AMS system. The Imputed Trips sheet displays selected fields from AMS, including those fields that indicate trip length.

One way to use the Imputed Trips sheet is to do the following:

1. Sort the sheet contents by the **AMS Landing Date** column in ascending order. In other words, sort the contents so that the oldest trips are listed first. (Always try to clear up the oldest trips first, if possible.)
2. Use the **Permit Number** and **Activity Code** fields to identify the vessel owner/operator that was involved in the imputed trip, and the **Trip Length** field to get a good idea of when that trip took place.
3. Contact the vessel owner/operator to begin gathering information about the reason for the missing VTR, and to find out which dealer handled the catch from this trip.
4. If the Dealer report is missing, you can contact the dealer to find out what happened to the record for that transaction.

Landing Differences

The Landing Differences sheet shows each stratum (area, gear, and mesh) in the current week that has a difference in landings reported by NMFS and landings reported by the sector. See [Figure 7](#) for an example of the Landing Differences sheet.

Figure 7: Landing Differences

	A	B	C	D	E	F	G	H	I	J	K	L
1	Landing Differences	Report Exported on : 27-AUG-12										
2	Sector:											
3												
4												
5	Sector ID	Permit Number	Doc ID	VTR Serial Number	NE Gear	Mesh Category	Stock ID	Species ITIS Code	Date Sold	NMFS Live Pounds	SDR Live Pounds	Live Pounds Differential
6			3919312	27	OTF	NA	HADGBE	166774	06-May-2012	102142	0	102142
7			3919312	27	OHS	NA	HADGBW	166774	06-May-2012	102142	107	102035
8			3935627	41	OTF	NA	REDGMBSS	166774	16-May-2012	76620	0	76620
9			3935627	41	OTF	NA	REDGMBSS	166774	16-May-2012	76620	2254	74366
10			3930072	33	OTF	NA	REDGMBSS	166774	21-May-2012	62750	0	62750
11			3930072	33	OTF	NA	REDGMBSS	166774	21-May-2012	62750	0	62750
12			3925857	56	OTF	NA	POKGMAS	164727	14-May-2012	62760	1034	61726
13			3925857	56	OTF	NA	POKGMAS	164727	14-May-2012	62760	1706	61054
14			3930867	98	OHS	NA	HADGBW	164744	20-May-2012	57466	0	57466
15			3959205	10	OTF	NA	POKGMAS	164727	02-Jul-2012	53120	0	53120

See [Table 6](#) immediately following for detailed explanation of each column in the Landing Differences sheet.

Table 6: Landing Differences Field Descriptions

Field	Description
Sector ID	Number that uniquely identifies the sector for the NMFS data systems.
Permit Number	The Vessel Permit Number (VPN) of the vessel that landed the fish. Vessel permit number assigned by the Northeast Regional Office's Vessel Permit System (VPS).
Doc ID	Unique identifier for a trip, which may include one or more VTRs. Generated by NMFS at the time that VTRs are entered into data systems.
VTR Serial Number	Unique, eight-digit number in the top right portion of the first page of the VTR. Serves as universal trip ID. Can also be the eVTR number in 14-digit format.
NE Gear	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.
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.
Species ITIS Code	The 6-digit Integrated Taxonomic Information System (ITIS) serial number for a species. ITIS codes are unique identifiers representing information for a species.

Field	Description
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.
NMFS Live Pounds	NMFS record of live weight (in pounds) of stock landed from dealer reports.
SDR Live Pounds	Live weight (in pounds) of stock landed, as reported on the Sector Detail Report.
Live Pounds Differential	The difference between the live weight that NMFS has for this stock and the live weight that the Sector Manager Detail report has. <ul style="list-style-type: none"> • Positive number (no minus sign) means that NMFS has more recorded pounds than the Detail report has. • Negative number (minus sign) means that the Detail report has more recorded pounds than NMFS has.

How Do I Use the Landing Differences Sheet?

There are two general concerns to be aware of when looking at landing differences:

- **How old the records are** — Investigate older records first, if possible, because as records age it can be harder to track down information.
- **Largest differences between your data and NMFS data** — Fixing the largest discrepancies as they arise is beneficial because this makes reconciling your totals at the end of the fishing year a much more manageable task.

For example, the column **Live Pounds Differential** lets you troubleshoot the biggest differences:

1. Open the Landing Differences sheet.
2. Use the Excel “Sort” function to arrange the contents by the column **Live Pounds Differential**. [Figure 7](#) shows the landings differences sorted from largest to smallest.
3. Start looking at the biggest differences, in this case over 1000 pounds, as in [Figure 8](#):

Figure 8: Detailed Look at Landing Differences

Permit Number	Doc ID	VTR Serial Number	NE Gear	Mesh Category	Stock ID	Species ITIS Code	Date Sold	NMFS Live Pounds	SDR Live Pounds	Live Pounds Differential
	3919312	27	OTF	NA	HADGBE	166774	06-May-2012	102142	0	102142
	3919312	27	OHS	NA	HADGBW	166774	06-May-2012	102142	107	102035
	3935627	41	OTF	NA	REDGMGBSS	166774	16-May-2012	76620	0	76620
	3935627	41	OTF	NA	REDGMGBSS	166774	16-May-2012	76620	2254	74366

Notice that the first two records have the *same* VTR number but have *different* gear codes. This immediately suggests a problem because a gear change on the same trip requires a separate VTR. This is a likely place to begin investigating. For example, it is possible that either your sector or NMFS entered the gear type incorrectly.

➤ **Other Things to Look For in the Landings Differences Sheet**

- Make sure that sub-trips (multiple VTRs on a single trip) report to the same **Doc ID**.
- If **SDR Live Pounds** has a “0” value, this is a “NMFS orphan”. See the section [NMFS Orphans](#) for more information.
- If **NMFS Live Pounds** has a “0” value, this is a “sector orphan”. See the section [Sector Orphans](#) for more information.
- **Live Pounds Differential** values:
 - If the value is a negative number, NMFS has a record of more pounds than your sector has.
Your record of a trip might be missing or incomplete; you should check your dealer records particularly. Also, you may have apportioned live weight incorrectly, or not accounted for non-dealer data such as bait or home consumption.
 - If the value is a positive number, your sector has a record of more pounds than NMFS is.
In this case, NMFS may not have processed the trip yet, or has not received the data, or the data is mismatched.
 - A difference of 1 pound is most likely a rounding issue and is not an urgent matter.
- Check to ensure that **Date Sold** matches up with the date on the VTR. For example, a dealer could sell part of the catch from one VTR one day, and then sell the rest of the catch the next day.

Discard Differences

The Discard Differences sheet shows landings from each stratum (area, gear, and mesh) in the current week that has a difference in discard poundage recorded by NMFS and discards recorded by the sector. See [Figure 9](#) for an example of the Discard Differences sheet.

Sector Comparison Reports Guide

Figure 9: Discard Differences

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
2	Discard Differences		Report Exported on: 17-AUG-12																
3	Sector:																		
4																			
5	Sector ID	Permit Number	Doc ID	VTR Serial Number	NE Gear	Mesh Category	Do Gears Match?	Stock ID	Date Sold	Dealer Codes	Non-Dealer Kept All	Dealer Kept All	Kept All	Unobserved Discards	Observed Discards	Number of Observed Duplicates	NMFS Pounds Discarded	SDR Pounds Discarded	Discards Differential
6			3934802	44	OTF	NA	Yes	REDGMGBSS	30-May-2012	NULL	0	62281	62281	755	6274	1	6274	0	6274
7			3934802	44	OTF	NA	Yes	REDGMGBSS	30-May-2012	NULL	0	62281	62281	755	6274	1	6274	0	6274
8			3934802	44	OTF	NA	Yes	REDGMGBSS	30-May-2012	NULL	0	62281	62281	755	6274	1	6274	0	6274
9			3927913	92	OTF	NA	Yes	PLAGMMA	20-May-2012	NULL	0	37059	37059	337	2043	1	2043	0	2043
10			3947143	96	OTF	NA	Yes	PLAGMMA	19-Jun-2012	NULL	0	43074	43074	391	1672	1	1672	0	1672
11			3947143	96	OTF	NA	Yes	PLAGMMA	19-Jun-2012	NULL	0	43074	43074	391	1672	1	1672	23	1649
12			3919312	27	OTF	NA	No	REDGMGBSS	06-May-2012	NULL	0	127263	127263	1542	NULL	NULL	1542	39	1504
13			3919312	27	OTF	NA	No	REDGMGBSS	06-May-2012	NULL	0	127263	127263	1542	NULL	NULL	1542	159	1383
14			3972294	13	OTF	NA	Yes	REDGMGBSS	22-Jul-2012	NULL	0	60516	60516	733	1240	1	1240	0	1240
15			3927913	92	OTF	NA	Yes	WITGMMA	20-May-2012	NULL	0	37059	37059	107	1178	1	1178	0	1178
16			3925857	56	OTF	NA	No	REDGMGBSS	14-May-2012	99998,99998	73	97748	97821	1185	NULL	NULL	1185	27	1159
17			3959205	10	OTF	NA	No	REDGMGBSS	02-Jul-2012	NULL	0	95729	95729	1160	NULL	NULL	1160	25	1135
18			3919312	27	OTF	NA	No	PLAGMMA	06-May-2012	NULL	0	127263	127263	1156	NULL	NULL	1156	28	1127
19			3925857	56	OTF	NA	No	REDGMGBSS	14-May-2012	99998,99998	73	97748	97821	1185	NULL	NULL	1185	89	1096

See [Table 7](#) immediately following for detailed explanation of each column in the Discard Differences sheet.

Table 7: Discard Differences Field Descriptions

Field	Description
Sector ID	Number that uniquely identifies the sector for the NMFS data systems.
Permit Number	The Vessel Permit Number (VPN) of the vessel that landed the fish. Permits are assigned by the Northeast Regional Office's Vessel Permit System (VPS).
Doc ID	Unique identifier for a trip, which may include one or more VTRs. Generated by NMFS at the time that VTRs are entered into NMFS data systems. Same as NMFS Doc ID .
VTR Serial Number	Unique, eight-digit number in the top right portion of the first page of the VTR. Serves as universal trip ID. Could also be the 14-digit eVTR number.
NE Gear	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.
Do Gears Match?	Indicator whether the sector gear value matches the gear value in the Observer data.
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.
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.
Dealer Codes	The Dealer codes for catch that is not part of the dealer record (NMFS Live Pounds). Includes: <ul style="list-style-type: none"> • 1 SEIZED FOR VIOLATIONS • 2 SOLD/USED FOR BAIT • 4 FUTURE SALE • 6 SUB-LEGAL FISH FOR RESEARCH • 7 LEGAL SIZED FISH FOR RESEARCH • 8 LANDED, UNMARKETABLE CATCH (LUMF) • 99998 HOME CONSUMPTION
Non-Dealer Kept All	NMFS record of kept weight of all species that the dealer has not recorded. (Some examples of this type of catch can be found in Dealer Codes in this table.)
Dealer Kept All	Dealer record of kept weight of all species from observed and unobserved trips.
Kept All	NMFS record of kept weight of all species from observed and unobserved trips. All species landed on a trip are Kall-species.

Field	Description
Unobserved Discards	Unobserved discards as calculated by NMFS when no onboard observers were available for the trip.
Observed Discards	Discards recorded by onboard observers. This is the best discard data available.
Number of Observed Duplicates	Duplicate record detected in the Observer database.
NMFS Pounds Discarded	The discard poundage that NMFS has computed for this sub-trip.
SDR Pounds Discarded	The discard poundage that your sector has computed for this sub-trip.
Discards Differential	<p>The difference (in pounds) between what NMFS has computed for discards (NMFS Pounds Discarded) and what your sector has computed for discards (SDR Pounds Discarded).</p> <ul style="list-style-type: none"> • Positive number = NMFS has recorded more discards than you have • Negative number = You have recorded more discards than NMFS has

How Do I Use the Discard Differences Sheet?

Among the items you can focus on when using the Discard Differences sheet are the following:

- Compare discards — Look for patterns in the **NMFS Pounds Discarded** and **SDR Pounds Discarded** numbers. For example, is the **Discards Differential** number double that of the **NMFS Pounds Discarded** or **SDR Pounds Discarded** number? That would indicate a duplicate record. Is the number, say, 10 pounds higher or 100 pounds higher? This might indicate a decimal placement error.
- Sort the **Discards Differential** numbers in descending order — Find out what the highest discrepancies are. Often those discrepancies are from a single trip or sub-trip, or are associated with a single permit number. This could indicate that the discard calculation was applied incorrectly in a specific case.
- Look at **Dealer Codes** — When there is a value in the **Dealer Codes** field, there should be a corresponding value in **Non-Dealer Kept All** for the weight of the non-dealer catch. **Non-Dealer Kept All** plus **Dealer Kept All** should equal **Kept All**.
- Look for differences in discards when the trip has been observed (**Observed Discards**). In this case, very likely there has been a simple transcription error because discard ratios are not applied to catch from observed trips.
- If there is a value in **Number of Observed Duplicates**, it is an indication that the data in this particular record might not be trustworthy due to a duplicate record in the NMFS Observer database.