

Administration Tool User Guide

For

FOSS **Fisheries-One-Stop-Shop** **National Edition**

National Marine Fisheries Service
Office of Science and Technology
Science Information Division





Revision History

Version	Date	Changed By	Description
1.0	28 Oct. 2010	Larry Biller	Initial Draft
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1. Introduction

The Fishery One Stop Shop (FOSS) Administration tool is used to manage the business rules that automate FOSS's ability to request and retrieve fisheries data directly from Registered Data Sources, and translate each of their reference code schemes to a FOSS standard.

The FOSS Administration tool is role-based, allowing data owners to maintain their code standards translations themselves, or have a central data steward manage them.

1.1. Document Purpose

The purpose of this document is to provide general guidance for using the FOSS Administration software application. This will include instructions for viewing or modifying data in the various Registry and Code Standards databases.

1.2. Contact Information

For technical assistance on this FOSS application, send an email to EDMjira.Foss@noaa.gov



2. System Access

The FOSS Administration application provides restricted access to the regional System Administrators. Login privileges and access rights within this system are granted by the FOSS administrators.

2.1. System Requirements

In order to use the FOSS Administration tool, your computer must conform to the following requirements.

- Microsoft Internet Explorer 6.0+ or Mozilla Firefox 3.5+ installed
- JavaScript Enabled
- Minimum Screen Resolution 800x600
- Pop-ups allowed in browser for this application
- Flash installed



2.2. System Login

The FOSS Administration application is currently accessible at:

<https://foss.nmfs.noaa.gov/apex/foss/f?p=113>

The Login Screen is illustrated in Figure 1.

FOSS Admin Tool users should use their NOAA email username and password to log in to the application.

The format for username is the user's Email Address {firstname.lastname@noaa.gov}.

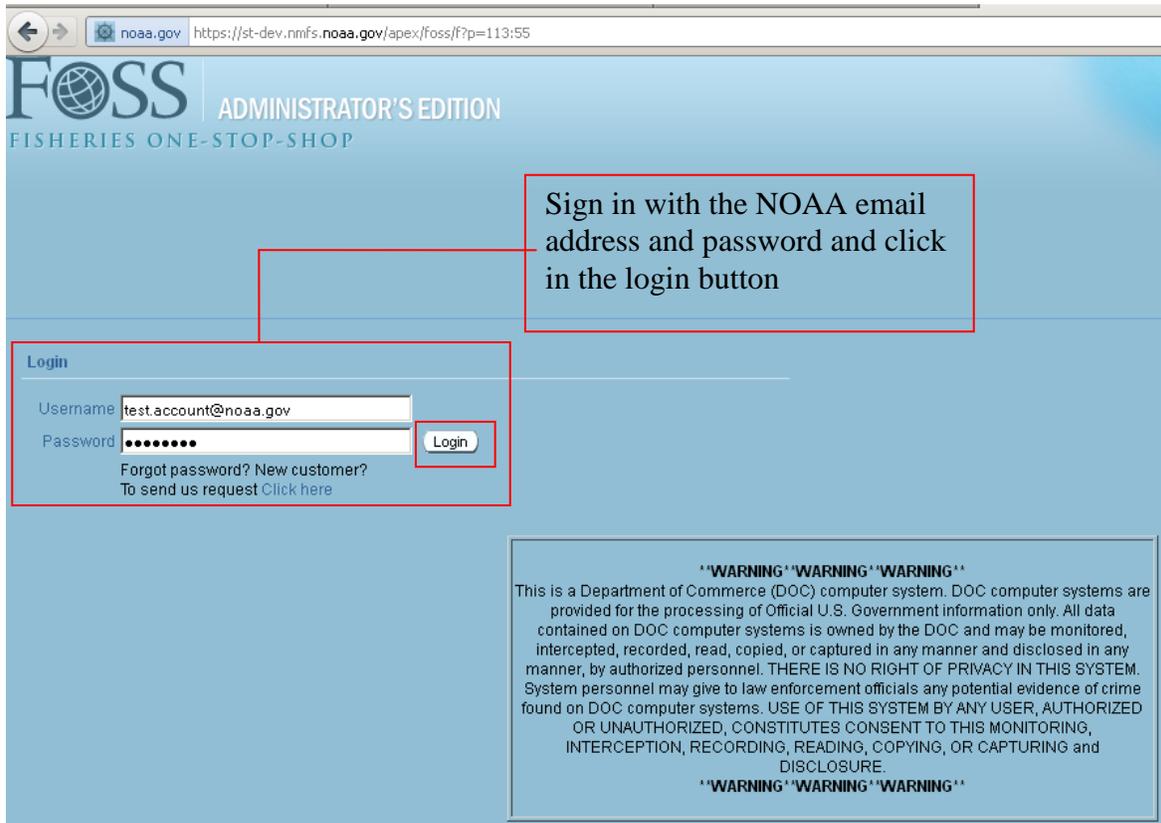


Figure 1 - User Login



2.3. User Access Privileges

FOSS system administrators will setup the privileges allowed for the different roles (e.g., NMFS partners, headquarters administrator, guest, etc.).

3. User Interface

3.1. Home Screen

Following login, the FOSS Administration Home Screen shown in Figure 2 is displayed.

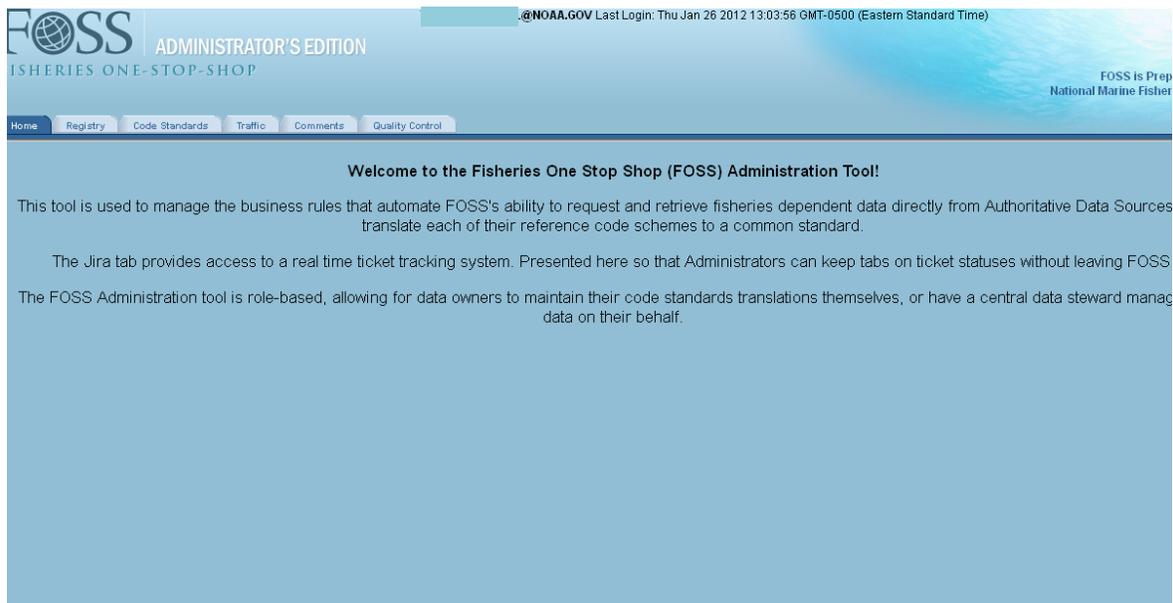


Figure 2 - FOSS Admin Home Screen

The Tabs at the top of the page are used to select from the following functions:

- Registry – Reference meta-data for the Registered Data Sources
- Code Standards – Translate code schemes to the equivalent common standard
- Traffic – Monitor the current network traffic for Registered Data Sources
- Comments – Allows user to log remarks into a ticketing system
- Quality Control – Displays data discrepancies between source provider's data and FOSS data. The Quality Control Report is refreshed every night.

3.2. Registry User Instructions



The Registered Data Source screen is shown in Figure 3. The registered data sources, such as the ACCSP for the Atlantic Coast Commercial Landings, are listed under this screen. The respective Adapter URL is listed for each data source.

Edit	Data Source	Data Collection	Adapter URL	Adapter User	Begin Date	End Date	Date Created	Created By	Date Modified	Modified By
	ACCSP	Commercial Landings	http://tautog2.accsp.org:8080/orawsv/FIS_FOSS_WS /ADAPTER_NATIVE	Fis_foss_ws	01-JAN-2004 12:00AM	31-DEC-2013 12:00AM	06-APR-2011 03:51PM	FIS_FOSS	11-JAN-2012 04:09PM	TESTER
	GULFFIN	Commercial Landings	http://66.0.98.121:8081/orawsv/FOSS_WS /ADAPTER_NATIVE	FOSS_WS	01-JAN-2004 12:00AM	31-DEC-2013 12:00AM	06-APR-2011 03:51PM	FIS_FOSS	26-SEP-2011 08:44AM	FIS_FOSS
	PACFIN	Commercial Landings	http://opah.nmfs.noaa.gov:8080/orawsv/FIS_FOSS_WS /ADAPTER_NATIVE_PACFIN	fis_foss_ws	01-JAN-2004 12:00AM	31-DEC-2013 12:00AM	15-AUG-2011 03:55PM	FIS_FOSS	27-SEP-2011 04:27PM	FIS_FOSS
	WPACFIN	Commercial Landings	http://opah.nmfs.noaa.gov:8080/orawsv/FIS_FOSS_WS /ADAPTER_NATIVE_WPACFIN	fis_foss_ws	01-JAN-2004 12:00AM	31-DEC-2013 12:00AM	04-AUG-2011 12:46PM	FIS_FOSS	27-SEP-2011 04:27PM	FIS_FOSS
	MRIP	Recreational Estimates	http://opah.nmfs.noaa.gov:8080/orawsv/FIS_FOSS_WS /ADAPTER_NATIVE_REC	fis_foss_ws	01-JAN-2004 12:00AM	31-DEC-2013 12:00AM	06-APR-2011 03:51PM	FIS_FOSS	29-DEC-2011 11:21AM	FIS_FOSS
	AKFIN	Commercial Landings	http://opah.nmfs.noaa.gov:8080/orawsv/FIS_FOSS_WS /ADAPTER_NATIVE_AKFIN	fis_foss_ws	01-JAN-2004 12:00AM	31-DEC-2012 11:59PM	06-APR-2011 03:51PM	FIS_FOSS	06-JAN-2012 09:36AM	FIS_FOSS
	HQHIST	Commercial Landings	http://opah.nmfs.noaa.gov:8080/orawsv/FIS_FOSS_WS /ADAPTER_NATIVE_HQHIS_TEST	fis_foss_ws	02-JAN-1950 12:00AM	31-DEC-2003 11:59PM	22-JUN-2011 04:13PM	FIS_FOSS	06-JAN-2012 04:08PM	FIS_FOSS
	SWFSC	Commercial Landings	http://opah.nmfs.noaa.gov:8080/orawsv/FIS_FOSS_WS /ADAPTER_NATIVE_SW	fis_foss_ws	01-JAN-2004 12:00AM	31-DEC-2013 12:00AM	10-JUN-2011 10:20AM	FIS_FOSS	27-SEP-2011 04:27PM	FIS_FOSS
	GLAKES	Commercial Landings	http://opah.nmfs.noaa.gov:8080/orawsv/FIS_FOSS_WS /ADAPTER_NATIVE_GREAT_LAKES	fis_foss_ws	01-JAN-2004 12:00AM	31-DEC-2013 12:00AM	04-AUG-2011 03:51PM	FIS_FOSS	27-SEP-2011 04:27PM	FIS_FOSS

Figure 3 - Registered Data Source Screen

- To edit a Registered Data Source entry, select the edit icon  for the appropriate row. Modify entries as required.
- To create a new entry for Registered Data Source, select the **Create** button.
- To navigate to one of the other functions, select the appropriate tab at the top of the screen.



The Data Collection Screen is shown in Figure 4. Meta-data for the current Data Collections are displayed in this screen.

Edit	Name	Description	Date Created	Created By	Date Modified	Modified By
	Commercial Landings	Commercial Landings	06-APR-2011 03:51PM	FIS_FOSS	17-AUG-2011 10:05AM	FIS_FOSS
	Recreational Estimates	Recreational Estimates	06-APR-2011 03:51PM	FIS_FOSS	17-AUG-2011 10:05AM	FIS_FOSS

1 - 2

Figure 4 – Data Collections Screen

- **To edit a Data Collections entry**, select the edit icon  for the appropriate row.
- **To create a new entry for Data Collections**, select the **Create** button.
- **To navigate to one of the other functions**, select the appropriate tab at the top.



The Data Sources Screen is illustrated in Figure 5. The purpose of this screen is to provide the list of Registered Data Sources for the different regions of the country.

The screenshot shows a web interface with a navigation bar at the top containing tabs for Home, RDS, Collections, Data Sources (selected), and Comments. Below the navigation bar are three buttons: Delete, Save, and Add Row. The main content area is titled "Data Providers" and contains a table with the following columns: Data Source, Description, Date Created, Created By, Date Modified, and Modified By. The table lists 13 data sources, each with a checkbox in the first column. At the bottom right of the table, it says "row(s) 1 - 11 of 11".

<input type="checkbox"/>	Data Source	Description	Date Created	Created By	Date Modified	Modified By
<input type="checkbox"/>	ACCSP	Atlantic Coastal Cooperative Statistics Program	06-APR-2011 03:48PM	FIS_FOSS	17-AUG-2011 09:58AM	PAUL R
<input type="checkbox"/>	GULFFIN	Gulf States Marine Fisheries Information Network	06-APR-2011 03:48PM	FIS_FOSS	17-AUG-2011 09:58AM	PAUL R
<input type="checkbox"/>	NEFSC	Northeast Fisheries Science Center	06-APR-2011 03:48PM	FIS_FOSS	17-AUG-2011 09:58AM	PAUL R
<input type="checkbox"/>	SEFSC	Southeast Fisheries Science Center	06-APR-2011 03:48PM	FIS_FOSS	17-AUG-2011 09:58AM	PAUL R
<input type="checkbox"/>	PACFIN	PACFIN	06-APR-2011 03:48PM	FIS_FOSS	17-AUG-2011 09:58AM	PAUL R
<input type="checkbox"/>	WPACFIN	WPACFIN	06-APR-2011 03:48PM	FIS_FOSS	17-AUG-2011 09:58AM	PAUL R
<input type="checkbox"/>	MRIP	NMFS Headquarters	06-APR-2011 03:48PM	FIS_FOSS	17-AUG-2011 09:58AM	PAUL R
<input type="checkbox"/>	AKFIN	Alaska Fisheries Information Network	06-APR-2011 03:48PM	FIS_FOSS	17-AUG-2011 09:59AM	FIS_FOSS
<input type="checkbox"/>	HQHIST	NMFS Headquarters History	14-JUN-2011 03:40PM	FIS_FOSS	22-JUN-2011 04:09PM	FIS_FOSS
<input type="checkbox"/>	SWFSC	South West Fisheries Science Center	26-APR-2011 10:51AM	FIS_FOSS	08-JUN-2011 04:08PM	FIS_FOSS
<input type="checkbox"/>	GLAKES	Great Lakes Commercial Landings	02-AUG-2011 11:08AM	FIS_FOSS		

Figure 5 - Data Sources Screen

- **To edit a Data Providers entry**, modify the data and select the **Save** button.
- **To create a new row for Data Sources**, select the **Add Row** button.
- **To delete an entry**, check the appropriate box for the row and select the **Delete** button.
- **To navigate to one of the other functions**, select the appropriate tab at the top.



3.3. Code Standards User Instructions

The primary purpose of the Partner Gears screen determines the equivalent FOSS Gear name and code for the user supplied Partner Gear parameters. Also, the equivalent ISSCFG gear standards may be located. The code Partner Gears screen is shown in the figure (6).

The screenshot shows the 'PARTNER GEARS' section of a web application. It includes a 'Create' button, a search bar, and a table of gear standards. The table has the following columns: Source, Source Gear Code, Source Gear Name, ISSCFG : Short Name : Long Name, FOSS Gear ID : Name, and Date Modified. The first row is highlighted with a red box around the edit icon.

Source	Source Gear Code	Source Gear Name	ISSCFG : Short Name : Long Name	FOSS Gear ID : Name	Date Modified
	ACCSP 050	Pound Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	ACCSP 070	Other Fixed Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	AKFIN 21	pound	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	GULFFIN 050	Pound Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	GULFFIN 070	Other Fixed Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	NEFSC 140	POUND NET, OTHER/INK SPECIES	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	NEFSC 141	POUND NET, CRAB	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	NEFSC 142	POUND NET, FISH	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	NEFSC 143	POUND NET, HORSESHOE CRAB	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	SEFSC 275	Pound Nets, Fish	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	SEFSC 280	Pound Nets, Crab	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	SEFSC 285	Pound Nets, Horseshoe Crab	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	SEFSC 289	Pound Nets, Other	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
	SWFSC FN	FISH NET	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-

Figure 6 - Code Standards Partner Gears Screen

- **To edit a Partner Gear entry**, select the edit icon for the appropriate row. This will take you to the Create/Edit screen shown in Figure 7.
- **To create a new entry for Partner Gears**, select the **Create** button. This will take you to the Create/Edit screen shown in Figure 7.
- **To search for particular Partner Gears**, select to select a column to search on. Refer to Figure 9 for additional information on the search setup.



The screen for Create/Edit Partner Gears is shown in Figure 7. This screen is used for creating new entries or editing existing values. In this example, the user selected **Create**; hence a blank form has been displayed.

The screenshot shows a web application interface for NOAA. At the top, there is a blue navigation bar with tabs for 'Home', 'GEARs', 'REGIONs', 'SPECIES', 'DISTANCE FROM SHORE', 'DISPOSITION', and 'Comments'. Below this, there is a sub-navigation bar with 'PARTNER GEARs', 'FOSS GEARs', and 'ISSCFG'. The main content area is titled 'Create/Edit Partner Gears' and contains a form with the following fields: 'Source Gear Code' (text input), 'Source Gear Name' (text input), 'FOSS Gear ID : Name' (dropdown menu showing '1 : WITHOUT GEAR'), and 'Source' (dropdown menu showing 'ACCSP'). There are 'Back' and 'Save' buttons at the top left of the form area.

Figure 7 - Create/Edit Partner Gears Screen

- **To modify the entry**, edit the data contents and select **Save**.
- **To delete the entry**, select the **Delete** button.
- **Select Back to return** to the previous screen.



An example of the drop-down menu used for selecting a column for search is provided in Figure 8.

The screenshot shows the NOAA Partner Gears application interface. At the top, there are navigation tabs: Home, GEARS, REGIONS, SPECIES, DISTANCE FROM SHORE, DISPOSITION, and Comments. Below these are sub-tabs: PARTNER GEARS, FOSS GEARS, and ISSCFG. A 'Create' button is visible. The main content area is titled 'Partner Gears' and contains a search bar with a magnifying glass icon, a 'Go' button, a 'Rows' dropdown set to 15, and an 'Actions' button. A dropdown menu is open, showing a list of columns: 'All Columns', 'Source', 'Source Gear Code', 'Source Gear Name', 'ISSCFG : Short Name : Long Name', 'FOSS Gear ID : Name', and 'Date Modified'. The 'Source' option is selected. Below the dropdown is a table with the following columns: 'Source Gear Name', 'ISSCFG : Short Name : Long Name', 'FOSS Gear ID : Name', and 'Date Modified'. The table contains 15 rows of data, including entries for 'Pound Nets', 'Other Fixed Nets', 'pound', 'AKFIN 21', 'GULFFIN 050', 'GULFFIN 070', 'NEFSC 140', 'NEFSC 141', 'NEFSC 142', 'NEFSC 143', 'SEFSC 275', 'SEFSC 280', 'SEFSC 285', 'SEFSC 289', and 'SWFSC FN'.

Source Gear Name	ISSCFG : Short Name : Long Name	FOSS Gear ID : Name	Date Modified
Pound Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
Other Fixed Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
pound	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
AKFIN 21	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
GULFFIN 050	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
GULFFIN 070	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
NEFSC 140	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
NEFSC 141	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
NEFSC 142	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
NEFSC 143	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SEFSC 275	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SEFSC 280	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SEFSC 285	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SEFSC 289	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SWFSC FN	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-

Figure 8 - Select Column for Search

The user may select one of the columns or 'All Columns' prior to performing the search operation.



A sample search setup for Partner Gears is illustrated in Figure 9.

Source	Source Gear Code	Source Gear Name	ISSCFG : Short Name : Long Name	FOSS Gear ID : Name	Date Modified
ACCSP	000	Not Coded	99.0.0 : NK : GEAR NOT KNOWN OR NOT SPECIFIED	161 : NOT SPECIFIED	-
ACCSP	010	Haul Seines	02.0.0 : SEINE NETS	143 : SEINES	-
ACCSP	020	Other Seines	02.0.0 : SEINE NETS	143 : SEINES	-
ACCSP	021	Stop Seine	02.0.0 : SEINE NETS	143 : SEINES	-
ACCSP	022	Common Seine	02.0.0 : SEINE NETS	143 : SEINES	-
ACCSP	023	Swipe Net	02.0.0 : SEINE NETS	143 : SEINES	-
ACCSP	030	Purse Seine	01.1.0 : PS : WITH PURSE LINES (PURSE SEINES)	150 : PURSE SEINES	-
ACCSP	031	Purse Seine, Tarp	01.1.0 : PS : WITH PURSE LINES (PURSE SEINES)	150 : PURSE SEINES	-
ACCSP	040	Lampara/Ring Nets	01.2.0 : LA : WITHOUT PURSE LINES (LAMPARA)	149 : LAMPARA-LIKE NETS (WITHOUT PURSING DEVICE)	-
ACCSP	050	Pound Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
ACCSP	060	Fyke Nets	08.0.0 : TRAPS	43 : TRAPS	-
ACCSP	070	Other Fixed Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
ACCSP	071	Weirs	08.5.0 : FWR : BARRIERS, FENCES, WEIRS, ETC	68 : WEIRS	-
ACCSP	072	Trap Nets	08.0.0 : TRAPS	43 : TRAPS	-
ACCSP	073	Floating Traps (Shallow)	08.0.0 : TRAPS	43 : TRAPS	-

Figure 9 - Setup Screen for Search on Source Gear Name Column

- To search in a particular column, pick  and select the desired column from the pull down menu.
- Enter the parameter you are searching
- Select **'Go'** to perform the search.

The results are provided in Figure 10.



The search results for the setup in Figure 9 are shown in the following screen.

Partner Gears

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Source	Source Gear Code	Source Gear Name	ISSCFG : Short Name : Long Name	FOSS Gear ID : Name	Date Modified
ACCSP	050	Pound Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
ACCSP	070	Other Fixed Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
AKFIN	21	pound	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
GULFFIN	050	Pound Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
GULFFIN	070	Other Fixed Nets	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
NEFSC	140	POUND NET, OTHER/NK SPECIES	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
NEFSC	141	POUND NET, CRAB	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
NEFSC	142	POUND NET, FISH	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
NEFSC	143	POUND NET, HORSESHOE CRAB	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SEFSC	275	Pound Nets, Fish	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SEFSC	280	Pound Nets, Crab	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SEFSC	285	Pound Nets, Horseshoe Crab	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SEFSC	289	Pound Nets, Other	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-
SWFSC	FN	FISH NET	08.1.0 : FPN : STATIONARY UNCOVERED POUND NETS	69 : POUND NETS	-

Figure 10 - Results Screen for Search on Source Gear Name

The user has the option to undo the filter operation that is created from the search operation.



The Code Standards screen for FOSS Gears is illustrated in Figure 11. This screen is navigated to by selecting 'FOSS GEARS' found on the menu bar near the top of the screen.

Gear ID	ISSCFG	Gear Name Long	Gear Description
1	99.0.0	WITHOUT GEAR	Collecting fishes and other prey by hand or with the help of more or less trained animals (dogs - otters - cormorants and others). Hand-picking can be done along the shore - in shallow water by wading fishermen - or in deeper water by divers with or without diving suits. Only small tools are needed; more important are baskets and bags for the carrying of the collected material.
2	99.0.0	> BY HAND	Fishing with minimal equipment by using only hands in shallow water. The largest quantities collected are from animals that may be sessile or only slow moving - such as mussels - snails - echinoderms - small crustaceans - crayfish - fish roe and plants.
3	99.0.0	> BY DIVING	The method of collecting marine products by diving. Some of the products harvested include pearl oysters - corals - mussels - abalone - clams - sponges - octopi - sea urchins and sea cucumbers.
4	99.0.0	> WITH HUNTING ANIMALS	Using tamed and trained animals for fishing. For example - horses - dogs - otters - birds - cormorants - porpoise - etc.
5	10.0.0	GRAPPLING AND WOUNDING GEAR	Using long-handled implements which can be pushed - thrown or shot. The prey is taken by grappling - squeezing - piercing - transfixing - or wounding. Barbs prevent efforts to escape. Clamps - tongs and raking devices are types within this group but so also are spears - harpoons - arrows - and other missiles.
6	10.0.0	> TAKEN WITHOUT WOUNDING	Gathering fish possibly by emptying the pond out of water, sometimes - spawning fish are taken out by hand from shallow ditches - streams -lake or sea coves.
7	10.0.0	>> WRENCHING GEAR	This method uses a long stick that is 6 to 7m long that is struck into the bulk of the weed weeds and twisted to gather a lot of the plants
8	10.0.0	>> CLAMPS	This method uses a hand operated stick with one end split into at least two branches. They are generally used to capture mussel - snails - sea urchins and any type of prey that can be jammed between the branches
9	10.0.0	>> RAKING DEVICES	This method uses rake like devices to rake and dig animals hidden in the mud at the bottom.
11	10.0.0	>> TONGS	This method uses a tong like device to harvest all types of fish. It varies from type to type and is found in many countries.
12	10.0.0	> TAKEN BY WOUNDING METHOD	Taking fish with the use of spears; fish are caught by impaling by tongs - or combs.
13	10.0.0	>> SPEARS AND LANCES (PUSHED OR THROWN)	This method uses spears and lances to pierce and secure the fish. The spear can vary in number of prongs on the end to increase the accuracy and efficiency.
14	10.0.0	>> FISH PLUMMETS	This method improves upon the inability for the wooden shaft on the used in the spearing method by using a rope instead that can be used to retrieve the fish and also have a longer reach than most shaft spears or lances.
15	10.0.0	>> FISH COMBS	This method uses a special form of rake - or horizontal working - multipronged gear - wounding and piercing the prey like a spear
16	10.0.0	>> ARROWS AND SIMILAR MISSILES	This method uses instruments like a bow or crossbow to send an arrow or other missile with high velocity into the water to pierce the fish.

Figure 11 - Code Standards FOSS Gears Screen

- **To edit a FOSS Gear entry**, select the edit icon  for the appropriate row. This will take you to a Create/Edit screen.
- **To create a new entry for FOSS Gears**, select the **Create** button. This will take you to a Create/Edit screen.
- **To search for particular FOSS Gears**, select  to select a column to search on. Refer back to Figure 9 for addition information on the search setup.



The Code Standards screen for ISSCFG Gears is illustrated in Figure 12. The purpose of this screen is to reference the international standard ISSCFG codes by searching the database. This screen is navigated to by selecting 'ISSCFG' (circled in red) found in the menu bar near the top of the screen.

ISSCFG	ISSCFG Gear Name Short	ISSCFG Gear Name Long	ISSCFG Gear Description	ISSCFG Gear Level Indicator	ISSCFG Gear Image	ISSCFG Gear Parent	Date Modified
01.0.0	-	SURROUNDING NETS	SURROUNDING NETS	1	-	-	-
01.1.0	PS	> WITH PURSE LINES (PURSE SEINES)	WITH PURSE LINES (PURSE SEINES)	2	-	01.0.0	-
01.1.1	PS1	>> ONE BOAT OPERATED PURSE SEINES	ONE BOAT OPERATED PURSE SEINES	3	-	01.1.0	-
01.1.2	PS2	>> TWO BOATS OPERATED PURSE SEINES	TWO BOATS OPERATED PURSE SEINES	3	-	01.1.0	-
01.2.0	LA	> WITHOUT PURSE LINES (LAMPARA)	WITHOUT PURSE LINES (LAMPARA)	2	-	01.0.0	-
02.0.0	-	SEINE NETS	SEINE NETS	1	-	-	-
02.1.0	SB	> BEACH SEINES	BEACH SEINES	2	-	02.0.0	-
02.2.0	SV	>> BOAT OR VESSEL SEINES	BOAT OR VESSEL SEINES	3	-	02.1.0	-
02.2.1	SDN	>> DANISH SEINES	DANISH SEINES	3	-	02.1.0	-
02.2.2	SSC	>> SCOTTISH SEINES	SCOTTISH SEINES	3	-	02.1.0	-
02.2.3	SPR	>> PAIR SEINES	PAIR SEINES	3	-	02.1.0	-
02.9.0	SX	> SEINE NETS (NOT SPECIFIED)	SEINE NETS (NOT SPECIFIED)	2	-	02.0.0	-
03.0.0	-	TRAWLS	TRAWLS	1	-	-	-
03.1.0	-	> BOTTOM TRAWLS	BOTTOM TRAWLS	2	-	03.0.0	-
03.1.1	TBB	>> BEAM TRAWLS	BEAM TRAWLS	3	-	03.1.0	-

Figure 12 - Code Standards ISSCFG Gears Screen

- **To edit an ISSCFG Gear entry**, select the edit icon  for the appropriate row. This will take you to a Create/Edit screen.
- **To create a new entry for ISSCFG Gears**, select the **Create** button. This will take you to a Create/Edit screen.
- **To search for particular ISSCFG Gears**, select  to select a column to search on. Refer back to Figure 9 for additional information on the search setup.



The Partner Regions screen is illustrated in Figure 13. The code standards for partner regions are mapped to the equivalent FOSS names and codes.

Source	Source Region Code	Source Region Name	FOSS Region ID : Name	Region Type ID	Parent Code	Source Region Map Reason Text	Original Code	Date Modified
	ACCSP 34	NEW JERSEY	13 : NEW JERSEY	3 : STATE	1	-	34	28-OCT-2008 02:08PM
	ACCSP 96	CANADA	68240 : CANADA	3 : STATE	-	-	96	21-SEP-2011 02:26PM
	ACCSP 36	NEW YORK	67 : NEW YORK-ATLANTIC	3 : STATE	1	-	36	28-OCT-2008 02:08PM
	ACCSP 22	LOUISIANA	65 : LOUISIANA	3 : STATE	2	-	22	28-OCT-2008 02:08PM
	ACCSP 13	GEORGIA	63 : GEORGIA	3 : STATE	2	-	13	28-OCT-2008 02:08PM
	ACCSP 06	CALIFORNIA	62 : CALIFORNIA	3 : STATE	4	-	06	28-OCT-2008 02:08PM
	ACCSP 45	SOUTH CAROLINA	61 : SOUTH CAROLINA	3 : STATE	2	-	45	28-OCT-2008 02:08PM
	ACCSP 78	VIRGIN ISLANDS	60 : VIRGIN ISLANDS	3 : STATE	2	-	78	28-OCT-2008 02:08PM
	ACCSP 09	CONNECTICUT	55 : CONNECTICUT	3 : STATE	1	-	09	28-OCT-2008 02:08PM
	ACCSP 28	MISSISSIPPI	54 : MISSISSIPPI	3 : STATE	2	-	28	28-OCT-2008 02:08PM
	ACCSP 12	FLORIDA	53 : FLORIDA-EAST	3 : STATE	2	-	12	28-OCT-2008 02:08PM
	ACCSP 44	RHODE ISLAND	49 : RHODE ISLAND	3 : STATE	1	-	44	28-OCT-2008 02:08PM
	ACCSP 33	NEW HAMPSHIRE	46 : NEW HAMPSHIRE	3 : STATE	1	-	33	28-OCT-2008 02:08PM
	ACCSP 48	TEXAS	40 : TEXAS	3 : STATE	2	-	48	28-OCT-2008 02:08PM
	ACCSP 42	PENNSYLVANIA	39 : PENNSYLVANIA-ATLANTIC	3 : STATE	1	-	42	28-OCT-2008 02:08PM

Figure 13 - Partner Regions Screen

- **To edit a Partner Regions entry**, select the edit icon for the appropriate row. This will take you to a Create/Edit screen.
- **To create a new entry for Partner Regions**, select the **Create** button. This will take you to a Create/Edit screen.
- **To search for particular Partner Regions**, select to select a column to search on. Refer back to Figure 8 and Figure 9 for addition information on the search setup.
- **To proceed to other menus under Regions**, select ‘FOSS Regions’, ‘Region Types’, ‘Regions Groups’, or ‘Region Group members’ from the menu bar at the top.



The Partner Species Screen is illustrated in Figure 14. The partner species names and codes are mapped to the TSN (ITIS) standard for identifying species.

Source	Source Species Code	Source Species Name	TSN Species ID : Name	TSN	NMFS Species Code	Date Modified
GULFFIN	170477	WRASSE, OTHER	2723 : WRASSE FAMILY	170477	0	25-MAY-2011 02:32PM
GULFFIN	170483	HOGFISH, SPOTFIN	2648 : SPOTFIN HOGFISH	170483	0	25-MAY-2011 02:32PM
GULFFIN	170484	HOGFISH, SPANISH	2885 : SPANISH HOGFISH	170484	0	25-MAY-2011 02:32PM
GULFFIN	170496	WRASSE, CREOLE	2753 : CREOLE WRASSE	170496	0	25-MAY-2011 02:32PM
GULFFIN	170503	DICK, SLIPPERY	2546 : SLIPPERY DICK	170503	0	25-MAY-2011 02:32PM
GULFFIN	170506	WRASSE, YELLOWHEAD	2632 : YELLOWHEAD WRASSE	170506	0	25-MAY-2011 02:32PM
GULFFIN	170507	WRASSE, CLOWN	2763 : CLOWN WRASSE	170507	0	25-MAY-2011 02:32PM
GULFFIN	170509	WRASSE, BLACKEAR	2781 : BLACKEAR WRASSE	170509	0	25-MAY-2011 02:32PM
GULFFIN	170510	PUDDINGWIFE	2035 : PUDDINGWIFE (WRASSE)	170510	2765	12-APR-2011 11:37AM
GULFFIN	170535	RAZORFISHES	5966 : XYRICHTYS	613036	0	25-MAY-2011 02:32PM
GULFFIN	170566	HOGFISH	1781 : HOGFISH	170566	1790	12-APR-2011 11:37AM
GULFFIN	170568	BLUEHEAD	2638 : BLUEHEAD	170568	0	25-MAY-2011 02:32PM
GULFFIN	170744	SHEEPHEAD, CALIFORNIA	2298 : SHEEPHEAD, CALIFORNIA	170744	3570	12-APR-2011 11:37AM
GULFFIN	170809	PARROTFISHES	1794 : PARROTFISHES	170809	2520	12-APR-2011 11:37AM
GULFFIN	173182	FILEFISH, PLANEHEAD	4703 : PLANEHEAD FILEFISH	646454	0	25-MAY-2011 02:32PM

Figure 14 - Partner Species Screen

- **To edit a Partner Species entry**, select the edit icon  for the appropriate row. This will take you to the Create/Edit screen for species.
- **To create a new entry for Partner Species**, select the **Create** button. This will take you to the Create/Edit screen for species.

Form on FISC_SOURCE_SPECIES

* Source Id Insert: ACCSP

* Source Species Code: test

* Source Species Name: Test

TSN : Name: 69498 : ABALONE, BLACK

* TSN Species ID : Name: 1865

* NMFS Species Code: 7394

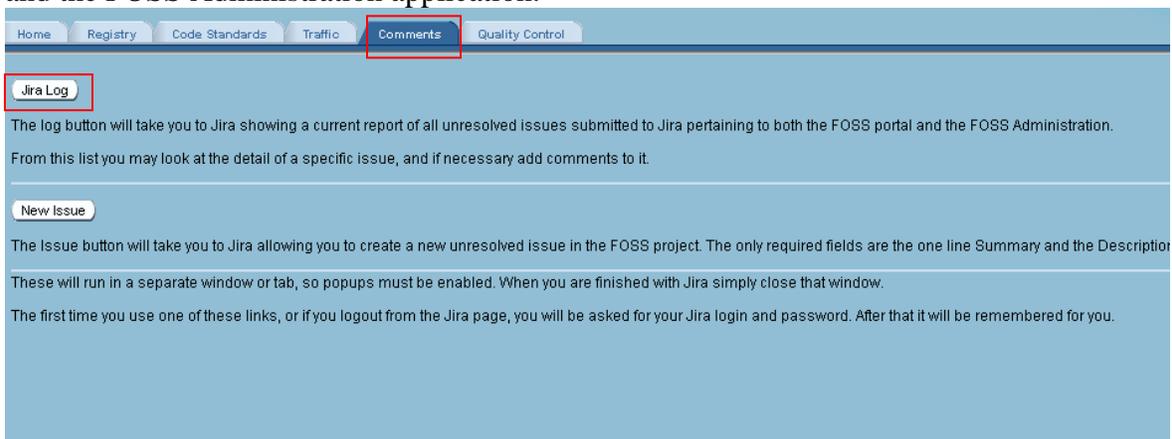
Figure 15 – Using the Create button



- Select Data source provider from the Source Id Insert dropdown field
 - Type a new name for the Source Species Code
 - Type a new name for the Source Species Name
 - Choose the TSN name (FOSS name) from the TSN: Name dropdown field
 - The TSN Species ID: Name would auto populate based on what is selected from the TSN Species ID: Name field.
 - Choose the appropriate four digit species code from the NMFS Species Code dropdown field.
- **To search for particular Partner Species**, select  to select a column to search on. Refer back to Figure 8 and Figure 9 for general information on the search setup.
- **To proceed to other screens under Species**, select either ‘FOSS Species’, ‘Reporting Roles’, ‘Group Members’, or ‘Groups’ from the menu bar at the top.

3.4. JIRA Log

A real time report of all tickets submitted to JIRA pertaining to both the FOSS National and the FOSS Administration application.



The screenshot shows a navigation bar with tabs: Home, Registry, Code Standards, Traffic, **Comments**, and Quality Control. Below the navigation bar, there is a 'Jira Log' button. The text below the button reads: 'The log button will take you to Jira showing a current report of all unresolved issues submitted to Jira pertaining to both the FOSS portal and the FOSS Administration. From this list you may look at the detail of a specific issue, and if necessary add comments to it.' Below this text is a 'New Issue' button. Further text explains: 'The Issue button will take you to Jira allowing you to create a new unresolved issue in the FOSS project. The only required fields are the one line Summary and the Description. These will run in a separate window or tab, so popups must be enabled. When you are finished with Jira simply close that window. The first time you use one of these links, or if you logout from the Jira page, you will be asked for your Jira login and password. After that it will be remembered for you.'

Figure 16 – Accessing JIRA – help request screen



4. Monitoring FOSS Traffic

The screen displays various Adapter usage information, response time for each adapter, number of adapter calls per month and number of adapter calls during the last four hour period as shown in Figure (17).

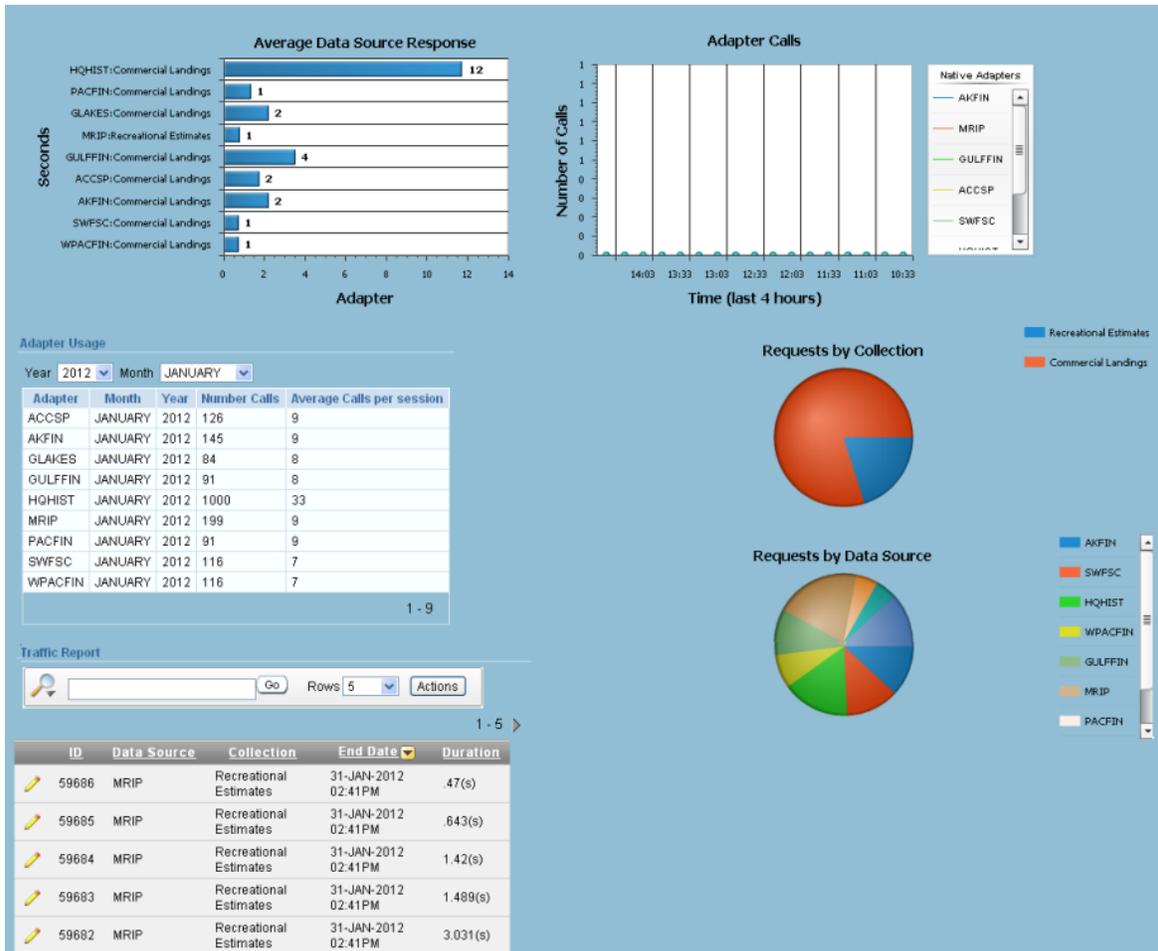


Figure 17 – Monitoring FOSS traffic

Average Data Source Response Chart - This bar chart under the Traffic tab displays the average response time for each adapter in seconds as shown in figure (18).

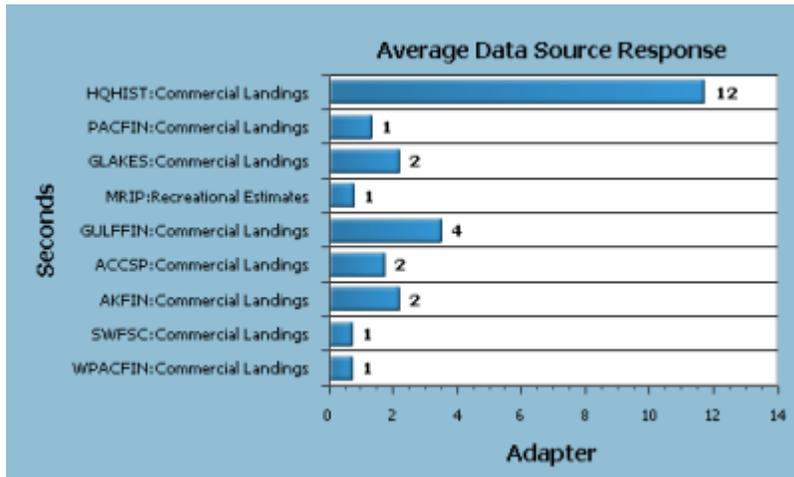


Figure 18 – Average Data Source Response Chart

Average Usage Report – This report displays the amount of times, an adapter was called per month as indicated by **Number calls** column. It also provides the average calls per user login session as indicated by the **Average Calls per session** column.

Adapter	Month	Year	Number Calls	Average Calls per session
ACCSP	JANUARY	2012	126	9
AKFIN	JANUARY	2012	145	9
GLAKES	JANUARY	2012	84	8
GULFFIN	JANUARY	2012	91	8
HQHIST	JANUARY	2012	1000	33
MRIP	JANUARY	2012	199	9
PACFIN	JANUARY	2012	91	9
SWFSC	JANUARY	2012	116	7
WPACFIN	JANUARY	2012	116	7

1 - 9

Figure 19 – Average Usage

Adapter Calls Chart – This chart displays the number of calls for different adapters captured in real time for the last four hours as shown in figure (20).

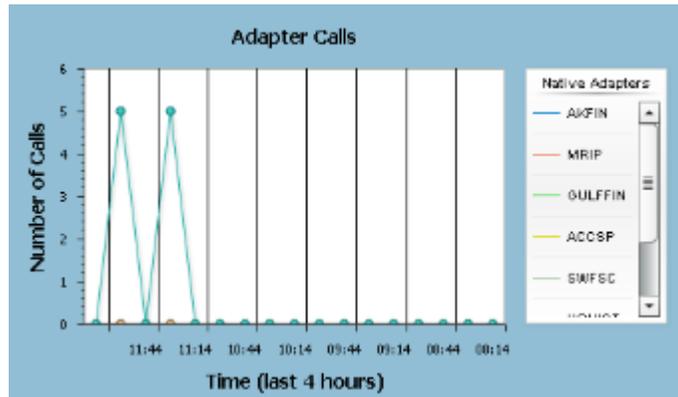


Figure 20 – Adapter Calls

Requests by collection chart – This pie chart displays the percentage of calls for commercial landings and recreational landings as shown in figure (21).

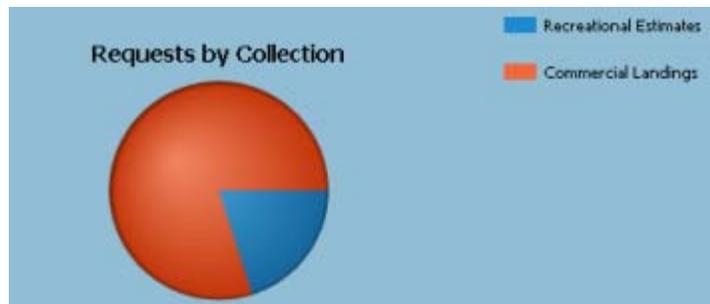


Figure 21 – Requests by Collection

Requests by data source – This pie chart displays the percentage of calls for different adapters as shown in figure (22).

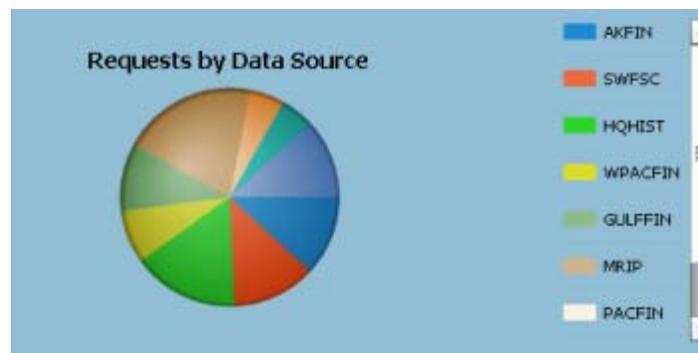


Figure 22 – Requests by Data Source



5. Data Quality Control

This screen is used for comparisons between Provider's and FOSS data i.e., species and regional mappings, is shown below. Differences in values are calculated for

- Pounds Difference
- Value Difference
- Retained Difference
- Discarded Difference

A zero diff value indicates agreement. Numbers displayed in blue (non-zero values) indicate a discrepancy – some difference between Provider values and FOSS values.

Native Comparison

DISCARDED_DIFF_PCT

VALUE_DIFF_PCT

RETAINED_DIFF_PCT

POUNDS_DIFF_PCT

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Year	Provider	Collection	Reg Src Name	Native State	Native Species Code	Native Species Name	Foss State	Foss Species Code	Foss Species Name	Pounds Diff
2008	GULFFIN	Commercial Landings	-	LA	170424	BARRACUDAS	-	-	-	100
2008	GULFFIN	Commercial Landings	-	LA	173752	TURTLES,SNAPPING	-	-	-	100
2008	GULFFIN	Commercial Landings	-	LA	208674	TURTLES, NORTH AMERICAN SOFTSHELL	-	-	-	100
2008	GULFFIN	Commercial Landings	-	PR	170424	BARRACUDAS	-	-	-	100
2008	GULFFIN	Commercial Landings	-	TX	170424	BARRACUDAS	-	-	-	100
2009	GULFFIN	Commercial Landings	-	AL	170424	BARRACUDAS	-	-	-	100
2009	GULFFIN	Commercial Landings	-	FL	170429	BARRACUDA, GREAT	-	-	-	100
2009	GULFFIN	Commercial Landings	-	LA	170424	BARRACUDAS	-	-	-	100
2009	GULFFIN	Commercial Landings	-	LA	173752	TURTLES,SNAPPING	-	-	-	100
2009	GULFFIN	Commercial Landings	-	PR	170424	BARRACUDAS	-	-	-	100
2009	GULFFIN	Commercial Landings	-	TX	170424	BARRACUDAS	-	-	-	100
2007	GULFFIN	Commercial Landings	GULFFIN	FL	169013	MOJARRAS	0	0	soap url: ORA-29273: HTTP request failed ORA-06512	100
2007	GULFFIN	Commercial Landings	GULFFIN	FL	169086	PORKFISH	0	0	soap url: ORA-29273: HTTP request failed ORA-06512	100

Figure 23 – Quality Control

In this example as shown in figure (23), data discrepancies have been identified by the blue (non-zero) values. This suggests that further examination is needed.

The **Actions** button provides a menu of display and analysis options. Some of the most useful options are the following:

- Hide/Show selected columns – good for fitting desired data into a report page
- Filter the data by Year, Region and Adapter
- Sort the data