



4.5 Accessibility of Center HMS Data

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International Fisheries Program


2013 PIFSC External Review of Data for Stock Assessments

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Overview

- HMS databases managed in the PIFSC enterprise data system (Oracle)
- Methods and tools for accessing data
- Responding to data integration needs
- Data management policies and governance



Western Pacific HMS Database “Systems”

- PIFSC enterprise database (Oracle)
- WPacFIN (Foxpro/Dbase)
- Hawaii and American Samoa Logbook (Dbase)
- California Logbook (SWFSC MS-Access)



HMS Data Available in PIFSC Enterprise Database

- Hawaii and American Samoa Longline Observer Data (LODS)
- Hawaii and American Samoa Longline Logbook
- California Longline Logbook
- State of Hawaii dealer data (landings)
- Hawaii and American Samoa Longline Permits

Longline Observer Data System

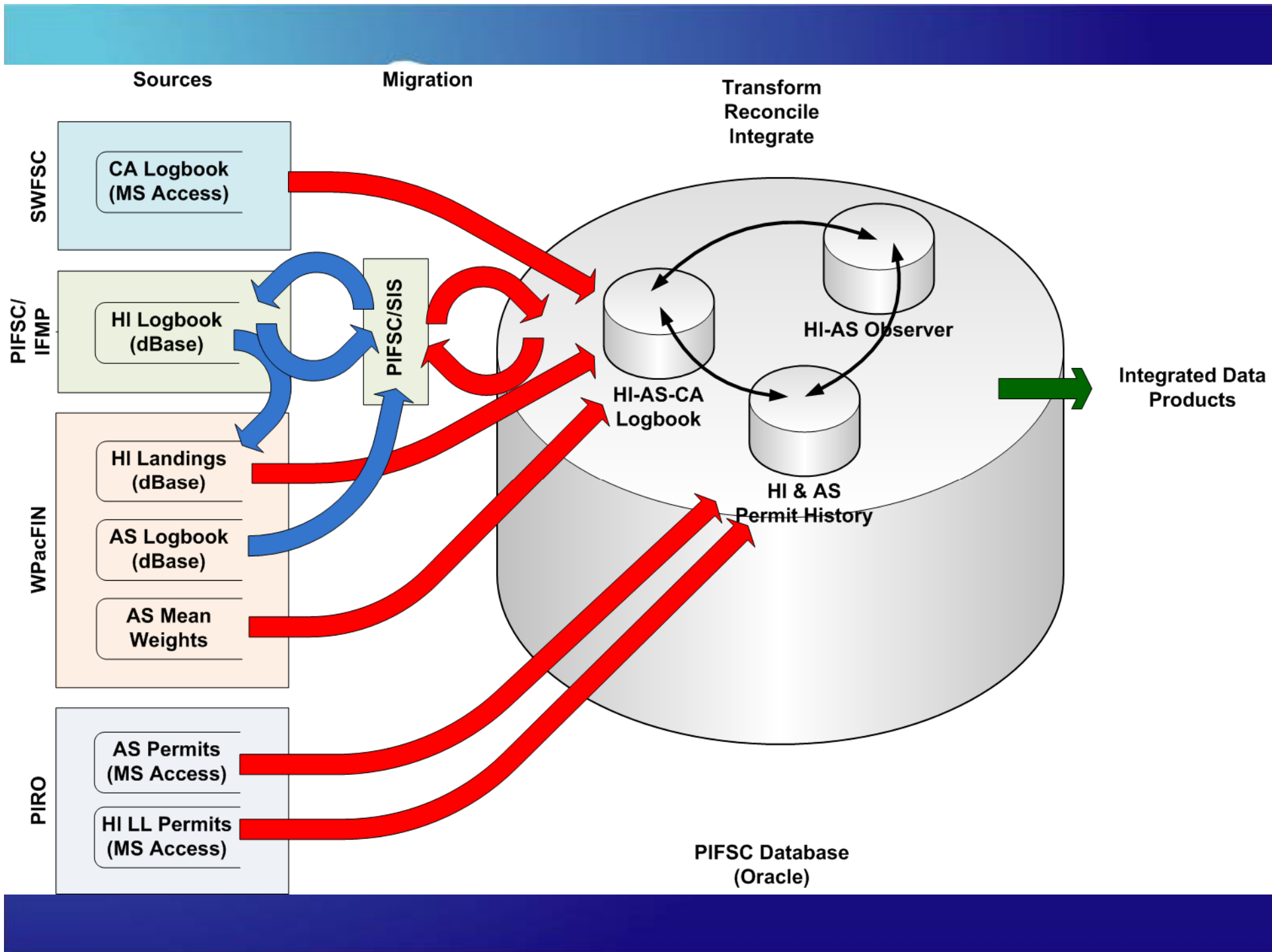
- Fully managed throughout the data life-cycle
- PIRO collects and manages
- PIFSC database and developers
- catch/by-catch, protected species, specimens, gear configurations, vessel info

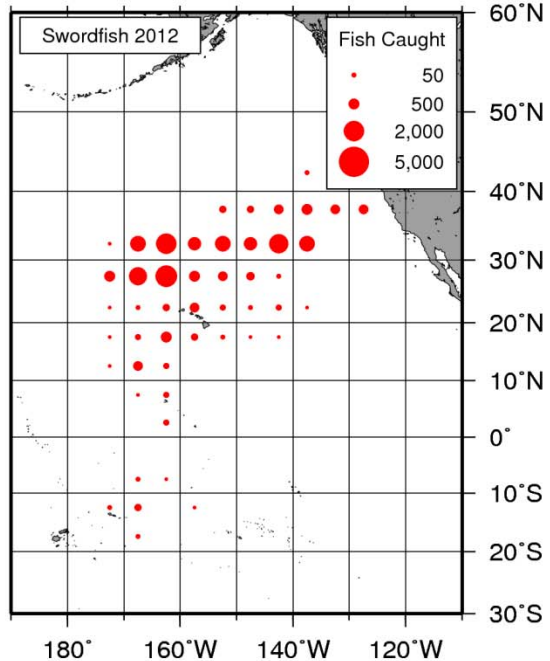
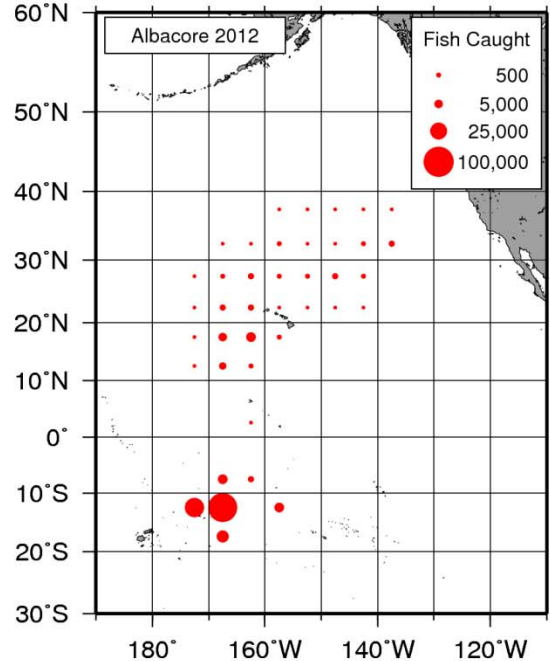
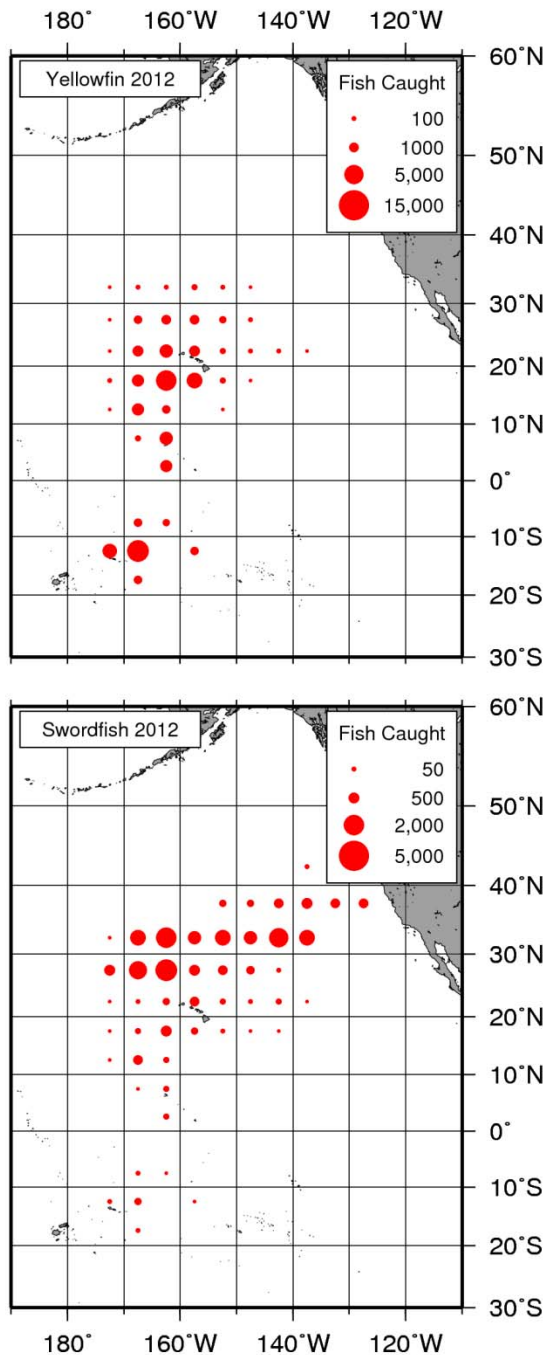
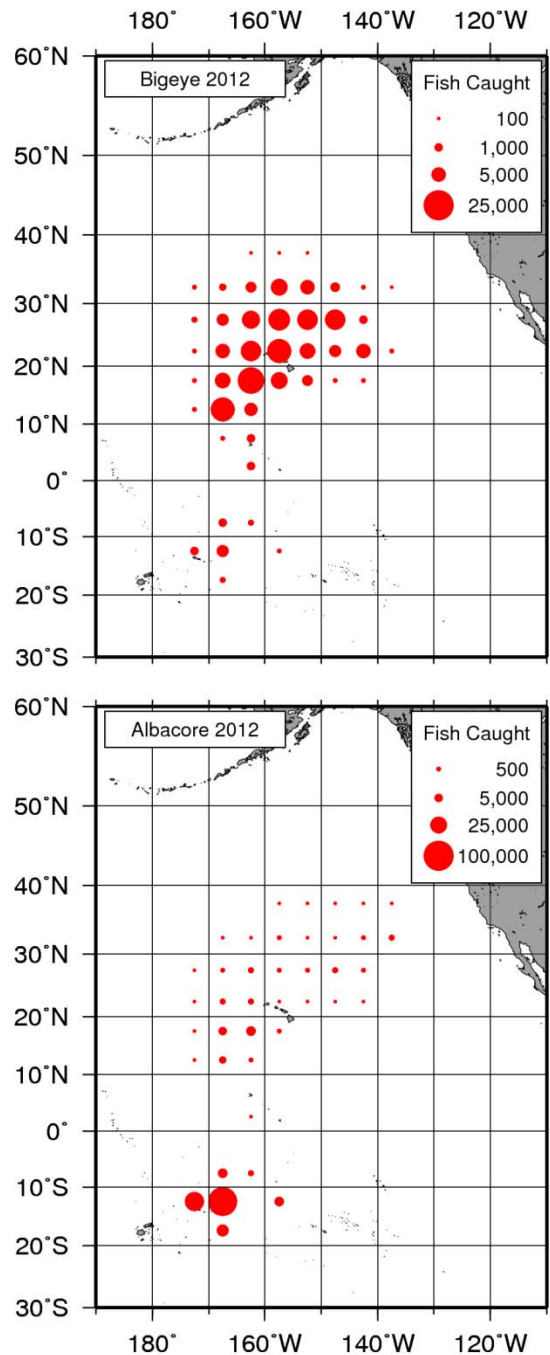




HMS Integrated Data Products

- Mean weight estimations
- Reports to tuna RFMOs
- Council data requests
- Catch and CPUE time series
- Corrected Catch data







User Data Access

- “R” (export as a data frame)
- Data Trawler
- Crystal Reports
- End user/developer database tools
- Assisted access



Fisheries Data Access Tool

Oracle Username

Password

Login

For application issues, please contact:

Janet Pappas

Pacific Islands Fisheries Science
Center, Database Administrator
808.983.5309

janet.pappas@noaa.gov



Data Trawler is a web-based query and output tool that can be used to access data stored in PIFSC's Production Database.

 [Data Trawler Users Guide](#)

[More About Data Trawler...](#)

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HMS Data Integration Challenges

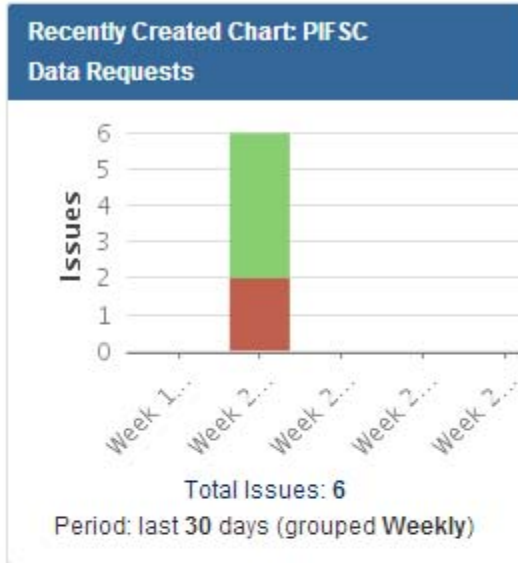
- Post data management integration issues
- Legacy data structures
- Inconsistent reporting results
- Need rigorous change-management process
- Unclear or unknown user requirements



HMS Data Integration Improvements and Opportunities

- Data Request tracking
- Commitment to good data management
- Re-engineering of data systems
- Scientifically interpreted HMS database
- Searchable data inventory (InPort)

PIFSC Data Requests



Two Dimensional Filter Statistics: PICDR - All

Assignee	Status		
	Open	Resolved	Closed
Darryl Tagami	0	0	1
Karen Sender	2	1	1
Keith Bigelow	0	1	0

Showing 3 of 3 statistics.
Filter: PICDR - All

Pie Chart: PIFSC Data Requests

Filter Results: PICDR - All

Assignee	Created	Key	Status	Summary
Darryl Tagami	17/May/13	PICDR-6	Closed	6-Month Albacore Report for U.S. Longline in the North Pacific
Keith Bigelow	17/May/13	PICDR-5	Resolved	Extract A Samoa fish lengths and convert them to weight
Karen Sender	17/May/13	PICDR-4	Open	Longline catch and effort plots for the U.S. National Reports to WCPFC and ISC
Karen Sender	16/May/13	PICDR-3	Closed	Albacore and vessels south of -20 degrees latitude
Karen Sender	15/May/13	PICDR-2	Resolved	Council review American Samoa longline swordfish #/Trip Frequency
Karen Sender	13/May/13	PICDR-1	Open	WCPFC bigeye catches for US boats for 2013Q1

1-6 of 6

Activity Stream

PICDR Activity

May 24

Karen Sender resolved **PICDR-2 - Council review American Samoa longline swordfish #/Trip Frequency** as 'Completed'

Data files sent to @paul.dalzell

May 24 at 12:44 PM

Karen Sender updated 7 fields of **PICDR-2 - Council review American Samoa longline swordfish #/Trip Frequency**

- Updated the DR Data Fields
- Updated the DR Data Summarization Details
- Updated the DR Data to Exclude

InPort Catalog Search Results










 [SEARCH](#)

Approximately 16 matching results on 1 page.
Note: You are not currently logged in.
 You may have access to more results if you [login](#).

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Type/Org Status	Item Summary
	<p>PIFSC FBSAB Pelagic Longline</p> <p>Fishery independent survey of the the pelagic resources around the US Territory of American Samoa. One of the objectives was a pilot study on the efficacy of barbless circle tuna hooks in the pelagic longline fishery by examining differences in catches, catch rates, size selectivity, bait retention, and catch retention. Other objectives included collecting biological samples for physiological studies.</p> <p> View  FGDC  ISO</p>
	<p>NOAA Fisheries, PIFSC Longline Worksheet</p> <p>Longline survey of coastal sharks and pelagic resources in northwestern Atlantic (30-40N and 69-74W) aboard the NOAA R/V Delaware II from 5/29/06 to 6/12/06. Supplemental objectives of the survey included the determination in the efficacy of three longline hook designs, (traditional Japanese, barb circle, and barbless circle), likelihood probability distributions on time to capture for the major species with fish hook timers, and test effectiveness of barbless circle in a longline fishery</p> <p> View  FGDC  ISO</p>
	<p>Hawaii Longline Logbook</p> <p>This data set contains the logbook data of U.S. longline vessels based in Hawaii from 1990 to the present that fish in the central Pacific (120° W - 170° E and 50°</p>



Data Documentation

InPort Catalog - Data Set Counts				
	All		Published	
Alaska Department of Fish and Game, Marine Mammal Program	8	1%		
Alaska Fisheries Science Center	156	10%	87	16%
Alaska Regional Office	18	1%		
Atlantic Coastal Cooperative Statistics Program	3	0%		
Gulf States Marine Fisheries Commission	68	4%		
NMFS Office Of Protected Resources	17	1%		
NMFS Office Of Sustainable Fisheries	30	2%		
NMFS Office Of The Chief Information Office	1	0%		
NMFS Office of Science and Technology	13	1%		
Northeast Fisheries Science Center	8	1%		
Northeast Regional Office	79	5%	37	7%
Northwest Fisheries Science Center	430	27%	257	47%
Pacific Islands Fisheries Science Center	496	31%	105	19%
Pacific Islands Regional Office	23	1%		
Southeast Fisheries Science Center	173	11%	59	11%
Southeast Regional Office	6	5%		
Southwest Fisheries Science Center	50	3%	7	1%
Southwest Regional Office	4	0%		
InPort Totals:	1583		552	
	6/6/2013			