4.5 Accessibility of Center HMS Data

Karen Sender
Fisheries Research and Monitoring Division
International Fisheries Program
2013 PIFSC External Review of Data for Stock Assessments
25 June 2013
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...

Notice to Users

This is a Federal computer system and is the property of the United States Government. It is for authorized use only. Users (authorized or unauthorized) have no explicit or implicit expectation of privacy. Any or all uses of this system, associated connected systems and all files may be intercepted, monitored, recorded, copied, audited, inspected, and disclosed to authorized site, Transportation Security Administration, and law enforcement personnel, as well as authorized officials of other agencies, both domestic and foreign. By using this system, the user consents to such interception, monitoring, recording, copying, auditing, inspection, and disclosure at the discretion of authorized site or Transportation Security Administration personnel. Unauthorized or improper use of this system may result in administrative disciplinary action and civil and criminal penalties. By continuing to use this system you indicate your
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

**Filter Results: PICDR - All**

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<th>Assignee</th>
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<td>Darryl Tagami</td>
<td>17/May/13</td>
<td>PICDR-6</td>
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<td>6-Month Albacore Report for U.S. Longline in the North Pacific</td>
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**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
- Updated the DR Data to Include
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| DS/PIFSC       | **PIFSC FBSAB Pelagic Longline**  
Fishery independent survey of 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.  
[View](#) | FGDC ISO |
| DS/PIFSC       | **NOAA Fisheries, PIFSC Longline Worksheet**  
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  
[View](#) | FGDC ISO |
| DS/PIFSC       | **Hawaii Longline Logbook**  
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? N - 20? S)  
[View](#) | FGDC ISO |
# Data Documentation

## InPort Catalog - Data Set Counts

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6/6/2013