



Who We Are & What We Do: ***Good Data, Good Decision***

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OVERVIEW

- History
- Standards
- Program Projects
- SAFIS
- Data Warehouse
- Case Studies
- Questions

HISTORY

Atlantic Coastal Cooperative Statistics Program

What is the ACCSP?

A cooperative state-federal program to design, implement, and conduct marine fisheries statistics data collection programs and to integrate those data into a single data management system that will meet the needs of fishery managers, scientists, and fishermen.

PROGRAM PARTNERS



Potomac
River
Fisheries
Commission



Atlantic Coastal Cooperative Statistics Program

Vision

To be the principal source of fisheries dependent information on the Atlantic coast through the cooperation of all program partners in the collection and processing of common fisheries data, and dissemination of the information for purposes of fisheries science and management.

Mission

Produce dependable and timely marine fishery statistics for Atlantic coast fisheries that are collected, processed and disseminated according to common standards agreed upon by all program partners.

WHO WE ARE, WHAT WE DO

The Atlantic Coastal Cooperative Statistics Program (ACCSP) established four basic principles to ensure that fishery-dependent statistics are complete, accurate, consistent, and compatible:

1. Cooperative development and implementation across jurisdictional lines
2. Coastwide data collection standards and a single, integrated data management system
3. Data on all fishing activities (e.g., commercial, recreational, and for-hire fisheries)
4. Modular design for data collection and data management projects

A DEVELOPING PROGRAM

1995: ACCSP officially began with funding from ACFCMA

1999: First set of data standards completed and first permanent staff hired

2002: First Director was hired and Data Warehouse is launched

2003: Standard Atlantic Fisheries Information System (SAFIS) is launched

ATLANTIC COAST FISHERIES DATA COLLECTION STANDARDS

Atlantic Coastal Cooperative Statistics Program

Standards Creation

- ACCSP and Gulf States worked together to create consistent standards
 - Program created in 1995
 - First set published in 1998
 - Revised in 2004
 - Revised again in 2012
- Data elements and collection methods for all modules

Standards Scope

- Catch and Effort
 - Dealer Reporting (includes Charter/Headboat)
 - Trip Reporting
 - Recreational Reporting
- Biological
 - Dealer and Trip Reporting
 - At-Sea Observations
 - Recreational
- Other
 - Confidentiality
 - Quality Control

Standards Scope

- Protected Species Interactions and Bycatch
 - Dealer Reporting
 - Trip Reporting
 - Recreational Reporting
- Social and Economic
 - Commercial
 - Recreational
- Metadata

A PROGRAM DESIGNED TO EXCEL

Approved May 2012, major updates of this third edition of the Program standards include a call for more timely data, specifically:

- Changing the frequency of calculating catch and effort estimates within the recreational (private and rental boat and shore-based fisheries) and for-hire fisheries to a 1 month collection period versus the current 2 month collection period.
- Accelerating data availability (data collection and processing prior to initial review) for the recreational and for-hire fisheries to 38 days (preferably 30 days) versus the current recommendation of 45 days.
- Collecting biological data every 30 days versus the current 6 month cycle.

PROGRAM PROJECTS

Atlantic Coastal Cooperative Statistics Program

Competitive Funding Process

- Approximately \$2M annually
- Organized/prioritized by module:
Catch/Effort, Biological, Protected Species & Bycatch, Social & Economic, Metadata
- Objectives include: Expanding data collection, obtaining data, increasing sampling, and promoting compliance of fishermen and dealer reporting.



Standard Atlantic Fisheries Information System



Created By The Partners Of The **ACCSP**
Good Data, Good Decisions

Atlantic Coastal Cooperative Statistics Program

BENEFITS

- Up-to-date information on species caught and their impact on fisheries and quotas
- Confidential access to data-of-record by fishermen and dealers;
- Access to state and federal reporting requirements through online data entry that eliminates duplicative reporting
- Integrated highly migratory species reporting
- Automatically generated pricing information
- Flexibility in creating favorites (e.g., species, gears, fishermen, dealers, and disposition) so reporting is quick and easier than ever;
- Management tools to facilitate maintenance of partner-owned data such as participants, online permits, and vessels

APPLICATIONS

- Electronic dealer reporting (eDR): Over 4 million dealer records
- Electronic trip reporting (eTRIPS) and E-1 Ticket: Over 465,000 trip records
- Voluntary logbook (eLogbook): Over 6,700 angler records

SAFIS Today

- **All NE dealers report through SAFIS**
 - Online interface, file upload, or PC based software (Bluefin)
- **SE Dealers in SC and GA report through SAFIS**
- **SAFIS is the hub for HMS reporting**
 - Collects HMS specific data elements
 - Pulls data from Gulf and SE
 - Pushes data in HMS Edealer system (hosted by ACCSP)

SAFIS Data

- All partner data stored *together*
- All agencies able to access appropriate data *in real time*
 - NMFS need state data
 - States need NOAA Fisheries data
- NE, SE, and Science Centers directly access database and pull data as needed
- Warehouse loaded directly for many partners

THE FUTURE OF SAFIS

- eDR Redesign
 - Hand held dealer reporting project approved
- eTRIPS roll-out to CT, NY and MD
 - Hand held reporting under development
- Enhanced Biological Tracking
- Ancillary application being developed
 - ASMFC lobster trap transferability
 - Tracks trap quotas and allocation
 - Manages transfers

Recreational Data

- Previous standard was MRFSS
- Now needs based
- Working closely with MRIP
 - Developing PSE based standard
 - Looking at charter/headboat reporting
- State conduct on the Atlantic coast

DATA WAREHOUSE FAQs

INVENTORY

- Commercial Catch & Effort: 1950 annual summaries and since 2007 all partners supply trip reports to ACCSP
- Recreational Catch & Effort: Final 2012 recreational data from fed (finer level of detail)
- Biological: American lobster (1981 – 2007) and Atlantic herring (2002 - 2010)

CURRENT STATUS OF AVAILABLE DATA

	1950 - 1977	1978 - 1985	1986 - 1988	1989	1990 - 1993	1994	1995 - 2000	2001 - 2003	2004	2005	2006	2007 - today
ME DMR												
NH FGD												
MA DMF												
RI DFW												
CT DEEP												
NYS DEC												
NJ DFW												
DE DFW												
MD DNR												
VMRC												
NC DMF												
SC DNR												
GA DNR												
FL FWCC												
<div> <div>Annual summaries</div> <div>Monthly summaries</div> <div>Trip reports (presented as monthly summaries)</div> <div>Mixed (Trip reports and monthly summaries)</div> <div>Trip reports (all fisheries)</div> </div>												

CURRENT STATUS OF AVAILABLE DATA



DATA CENTER :

STATUS OF AVAILABLE DATA

Latest Data Refresh			
Data Set	Oldest Year	Newest Year	Refresh Date
Confidential Commercial Landings	1950	2012	17-OCT-13
Non-Conf Commercial Landings	1950	2012	21-NOV-13
Non-Conf Recreational Catch	1981	2013	31-OCT-13
Non-Conf Recreational Effort	1981	2013	31-OCT-13

Data Center

Sign Up for a
Non-confidential
Account Here

Sign Up for Confidential

<http://mahi.accsp.org:8080/myJSPs/SOAD.jsp>

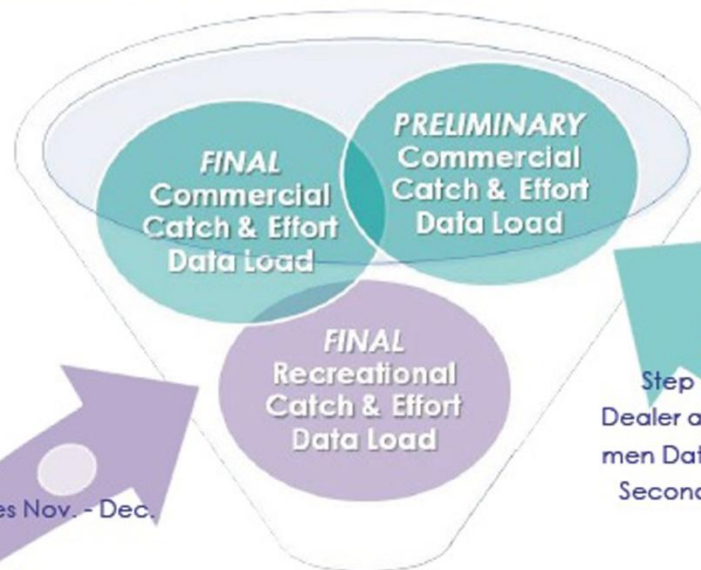
DATA LOAD PROCESS

Annual Commercial & Recreational Load Process

Annual Recreational Catch & Effort Load Process

*Updates from previous months are also uploaded.

Feb.: Preliminary estimates Nov. - Dec.
Dec.: Preliminary estimates Sept. - Oct.*
Oct.: Preliminary estimates July - Aug.*
Aug.: Preliminary estimates May - June*
June: Preliminary estimates Jan. - April



REFRESHED DATA WAREHOUSE VIEWS

APRIL:
Preliminary commercial catch & effort data[^] &
Final recreational catch & effort data

SEPTEMBER:
Final commercial catch & effort data

[^] These data are recognized as incomplete data due to known late reporting issues, but are still a good measure of landings.

Annual Commercial Catch & Effort Load Process

This process occurs twice a year. The preliminary data upload occurs from Feb. - April. The final data load occurs from Aug. - Sept.

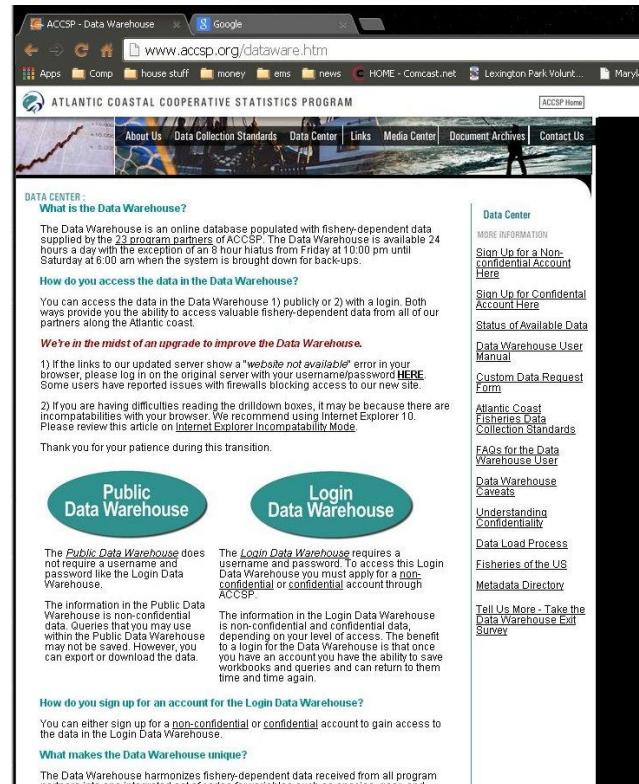
Step 3 - Merge Dealer and Fishermen Data & Load Secondary Data

Step 2- Load Initial Data

Step 1- Identify Data Sets & Consolidate Participant Files

Getting the Data

- On-line access provided
- Custom data requests



PUBLIC VS. LOGIN

**Public
Data Warehouse**

**Login
Data Warehouse**

Both ways provide you the ability to access valuable fishery-dependent data from all of our partners along the Atlantic coast.

BENEFITS

- Access valuable and time-saving tools such as exporting pivot tables
- Access attractive graphical reports tailored to your needs
- Drill down creating a query with a unique level of detail for Atlantic coast fisheries

CONFIDENTIALITY

- Program follows strict 'rule of three'
- Public access provides only non-confidential data
- Login access provides confidential data
 - Controlled to the partner level
 - Approved and monitored by Partner representatives

THE FUTURE OF THE DATA WAREHOUSE

- Creating Inventory of biological data sets
 - Prioritize and upload
 - Create on-line queries
 - Looking at creating indexes
- Creating Inventory of observer data sets

QUOTA MONITORING

- SAFIS provides automated notification of quota monitored species
 - Used primarily by ASMFC and states
- Data are pulled daily by NE and SE Science Centers
 - Integrated into local processes

SC DNR



- Data are collected using the SAFIS E-1ticket application
 - Data may be key entered or uploaded
- Quota and Compliance monitoring
 - Made available immediately thru SAFIS to SC DNR and SEFSC
 - Also pushed to HMS eDealer system



SC DNR

- SAFIS data treated as preliminary
 - Does not contain state landings (paper)
- Data Warehouse receives feed from SC as part of yearly load process

FL FWCC



- Data collected via paper or pc-based reporting
 - Key entered or uploaded into FL system (MRIS)
 - PC based data transmitted simultaneously to FL, SE and NE
- SAFIS pulls data from NE and provides to HMS
- Quota and compliance monitoring based on local data sets
- Data Warehouse receives roughly quarterly transmissions

MA DMF



- All data reported through SAFIS
 - Many dealers/harvesters still provide paper
 - In 2012, 1/3 commercial permit holders reported electronically
- Data made available immediately to MA and NE for quota and compliance monitoring
- MA uses SAFIS DB as primary repository
- Achieved near 100% matching
- Data transferred directly to warehouse

QUESTIONS?



ACCSP

Good Data, Good Decisions

www.accsp.org

Atlantic Coastal Cooperative Statistics Program