

Atlantic Coast Data Collection Improvements



MID-ATLANTIC | FISHERY
MANAGEMENT
COUNCIL

*Presented by the
Atlantic Coastal Cooperative Statistics Program
February 12, 2015*

*Our vision is to be the principal source of fisheries-dependent information
on the Atlantic coast through the cooperation of all program partners.*

What does ACCSP offer?



Products & Services

**Program
partner
projects**

**Data
Warehouse**

**Standard
Atlantic
Fisheries
Information
System (SAFIS)**

Our vision is to be the principal source of fisheries-dependent information on the Atlantic coast through the cooperation of all program partners.

Program Partners



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Program Partner Projects



- **Approximately \$2M allocated for partner projects each fiscal year**
- **Projects are intended to advance ACCSP priorities**
 - **Catch and effort (commercial & recreational)**
 - **Biological**
 - **Bycatch**
 - **Socio-economic**
- **Awarded using a competitive, peer-reviewed process**

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Recent Examples of Program Partner Projects



- NY trip level and quota monitoring improvements
- NJ commercial and biological data collection
- NC data transmission improvements



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Data Collection & Management

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Data Warehouse



- The Data Warehouse is an online database populated with fishery-dependent data supplied by the program partners
- Refreshed twice yearly
 - Previous years preliminary data (April)
 - Previous years final data (September)



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What data are in the Data Warehouse?



**Commercial
Catch & Effort
Data (1950)**

**Recreational
Catch & Effort
Data (1981)**

***Biological, Bycatch,
Socio-economic***

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Data Load Process

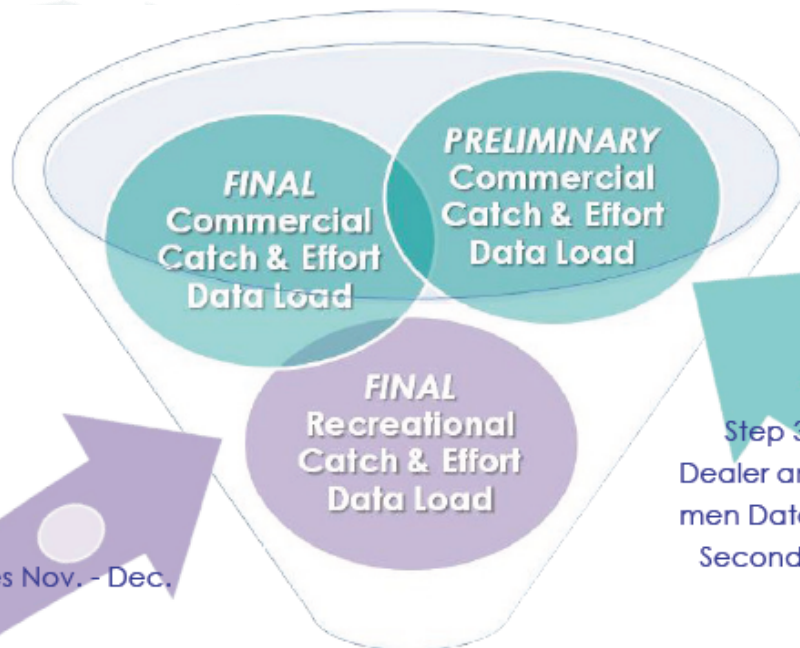


Annual **Recreational** Catch & Effort Load Process

**Updates from previous months are also uploaded.*

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

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.

Standard Atlantic Fisheries Information System (SAFIS)



- **SAFIS is a real time, web based reporting system for landings and catch on the Atlantic coast**
- **Originally deployed in RI in 2003**
- **All Northeast federal dealers started reporting through SAFIS in 2004**



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Standard Atlantic Fisheries Information System (SAFIS)



Applications

eDR

eTRIPS

The only application with a mobile version, eTRIPS/m

e-1Ticket

eLOGBOOK

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How are the data used?



Quota Monitoring/Compliance

- Up-to-date information on species caught and the impact on fisheries
- Confidential access to data of record by fishermen & dealers
- Partner owned data (e.g., participants, online permits, & vessels)

Fisheries Management

- Stock assessments
- Briefings for ASMFC, regional councils, & advisory panels
- Congressional requests
- Fisheries of the US
- Biological opinion for Endangered Species Act listing

ASMFC = Atlantic States Marine Fisheries Commission

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Made available to public ...



State of Rhode Island
Department of Environmental Management

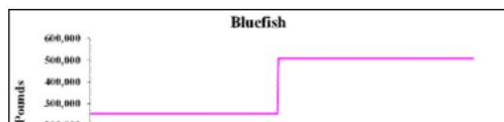
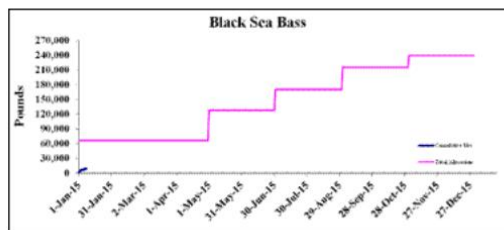
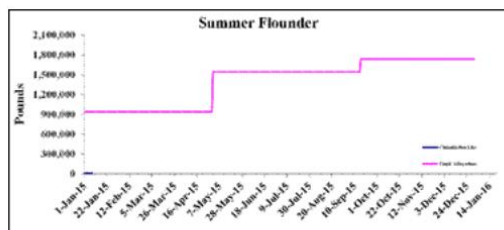
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Home > Programs > Bureau of Natural Resources > Division of Fish and Wildlife > Fish & Wildlife Topics > Quota Tracking Page

Rhode Island Quota Monitored Species Tracking Graphs

*These are preliminary landings and are subject to change

If you have questions, contact Fish and Wildlife at 401-423-1923 or tom.rosa@dem.ri.gov



MARYLAND .gov DEPARTMENT OF NATURAL RESOURCES

Enter search term

FISHING REPORTS RECREATIONAL COMMERCIAL MANAGEMENT PROGRAMS DATA

Fisheries Service

- > Fisheries Home Page
- > Public Notices
- > Fisheries Regulations
- > Fishing Licenses
- > Join Our Mailing List

More Resources

- > Tide Finder
- > Trout Stocking
- > Fish Facts
- > Volunteer Angler Survey
- > Invasive Species
- > Youth Fishing Club
- > Charter Boats & Guides
- > Free Fishing
- > State Records
- > River Levels
- > Espanol/Spanish Language
- > Fisheries Forms
- > Non-Fishing Permits

Striped Bass Links

- > Striped Bass Home
- > Striped Bass Permit
- > Striped Bass ITQ
- > Striped Bass Harvest
- > Active Commercial Check Stations
- > Atlantic Permit Transfer
- > 2015 ITQ Transfer Form

Striped Bass Harvest

Daily Updates of Striped Bass Harvest

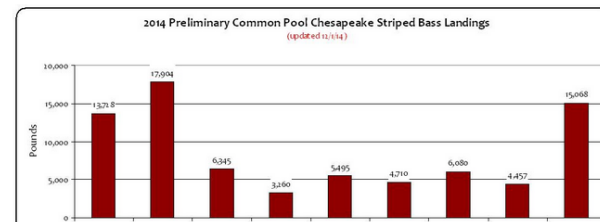
In order not to overharvest the striped bass stock of the Chesapeake Bay, Maryland utilizes a quota based harvest management system. Harvest monitoring data by gear type is collected using the following methods:

- daily phone reports from check stations operated by volunteers holding fish dealer license
- weekly written log reports from designated check stations
- cumulative totals from eligible licensee's monthly finfish harvest reports and;
- poundage totals from eligible licensee's harvest permits at the conclusion of the season.

The harvest estimates illustrated below are based upon daily phone reports from check stations. They are preliminary figures and may change if phone reports are late. These figures are **updated as data become available** - so check back to this site for updated information! You can also access harvest information 24 hours a day by calling 1-800-999-2800.

Chesapeake Bay and Atlantic Coast Fisheries Harvest Charts

2014 Common Pool



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Recent Improvements



- **SAFIS modifications**
 - **Better identification of catch**
 - **More robust quality control**
 - **Server upgrades (much faster performance)**

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eTRIPS/m



- **Mobile for-hire reporting**
 - Reports directly into SAFIS
 - Multi-platform (Android, Apple, Windows)
- **Developed in cooperation with RIPCBA**
- **Working on GARFO certification**



RIPCBA = Rhode Island Party and Charter Boat Association

GARFO = Greater Atlantic Regional Fisheries Office

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eTRIPS Expanded to Southeast



- **Testing phase has begun in NC**
 - Plan to deploy in May
 - Currently building hand-held tools



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eDR/m (Swipe Card)



- **Mobile dealer reporting with swipe card options**
 - MA and ME working collaboratively
 - Reports directly into SAFIS
 - Multi-platform (Android, Apple, Windows)



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e-1Ticket



- **Since 2011, online reporting of unified dealer report and trip ticket**
 - **Mirrors current practice in the Southeast**
 - **Deployed for federal dealers in SC and GA**



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Highly Migratory Species (HMS)



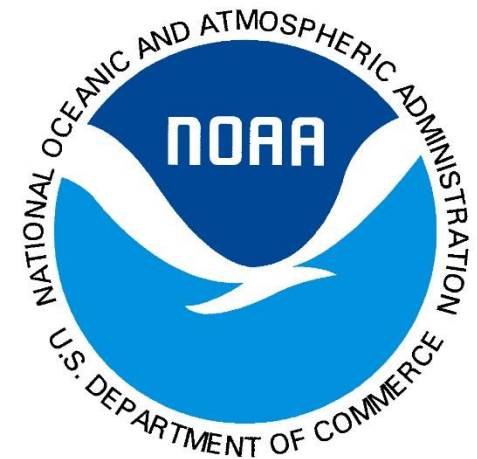
- **Since 2013, coordinating HMS collection from ME to TX**
 - **All species except Atlantic bluefin tuna**
- **Working on best practices for data maintenance**
 - **ACCSP will be provide data warehousing services**

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SEFSC and SERO



- After HMS, recognized need for tighter integration (i.e., permits, vessels)
- Use SAFIS data regularly for compliance and quota monitoring
- Funding awarded for continued ageing of key species



SEFSC = Southeast Fisheries Science Center
SERO = Southeast Regional Office

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Recreational Data Collection



- **Planning for transition of APAIS well under way**
 - Anticipate startup towards the end of 2015
 - Sampling in 2016 is planned to be conducted by states with ACCSP/ASMFC coordination
- **History in the Gulf has shown better data, better compliance**

APAIS = Access Point Angler Intercept Survey, a component of MRIP (Marine Recreational Information Program)

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Future Directions



- **ACCSP SAFIS Visioning Project**
 - Survey stakeholders of various uses/needs for each application
 - Coincide with Northeast effort

- **Will incorporate findings from 2013 eReporting survey (*Improving Our Understanding of Atlantic Coast Fisheries Electronic Reporting*)**
 - Over 1,900 responses
 - *Commercial Fisheries News Nov. 2013*

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Questions?

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