



Commissioner Workshop: ACCSP Data Collection & Management Efforts

ASMFC 2017 Annual Meeting

October 18, 2017

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

Atlantic Coast Fisheries Data Collection Standards govern data collection, processing, & dissemination

- Created and updated by Program Partners
 - All agree to the standards
- Everyone submits data in ACCSP format and codes
 - Data collection & management
 - Catch & Effort statistics
 - Biological data
 - Bycatch, Releases, and Protected Species Interactions data
 - Sociological and Economic data

Standards must be responsive



Commercial

Partner data streams

SAFIS apps



Final data
Loaded in Fall

Preliminary data
loaded in Spring

Recreational

Aug: May &
June estimates

Dec: Sept &
Oct estimates

Apr: Final
estimates

June: Jan -
Apr estimates

Oct: July &
Aug estimates

Feb: Nov &
Dec estimates

Biological and Socioeconomic

Final data loaded annually



**Data flow from Program Partners to Data Warehouse
via several pathways**



We use **two databases** to collect and store fisheries-dependent data:





Commercial Fisheries Data

Julie Defilippi Simpson
ACCSP Data Team Leader

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

Standard Atlantic Fisheries Information System is a web-based/mobile reporting system that houses live data collected via SAFIS applications.

- 2004-today
- Available live (nightly)
- Data submitted via SAFIS applications:
 - eDR eDR/M
 - eTrips eTrips/M
 - e-1Ticket eLogbook
 - SMS



* All applications are available to all partners

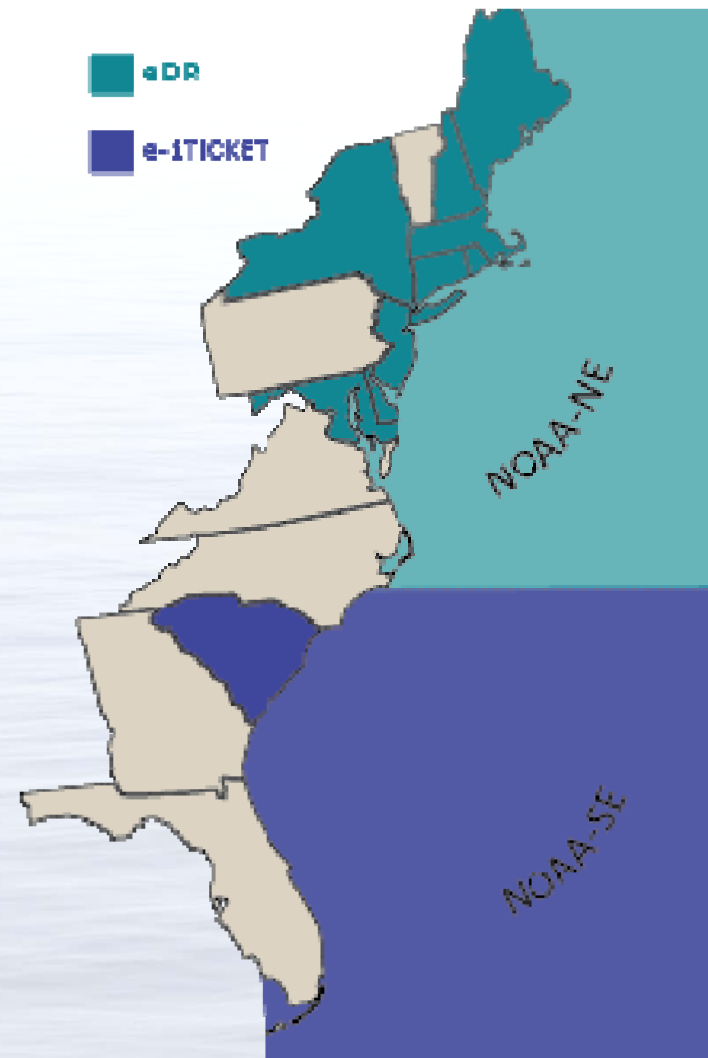


eDR



- Web-based application that collects electronic **landings data**
- Unique price board feature that allows the price of a species to be saved for 14 days
- View progress and history of landings through an interactive report

Partner Implementation



eDR/mobile



- Mobile, tablet-based version of ACCSP's eDR application
- Collects data while independent of a full-time internet connection
- Optional swipe card technology
- Available on Apple and Android platforms
- Partner Implementation: ME DMR, MA DMF

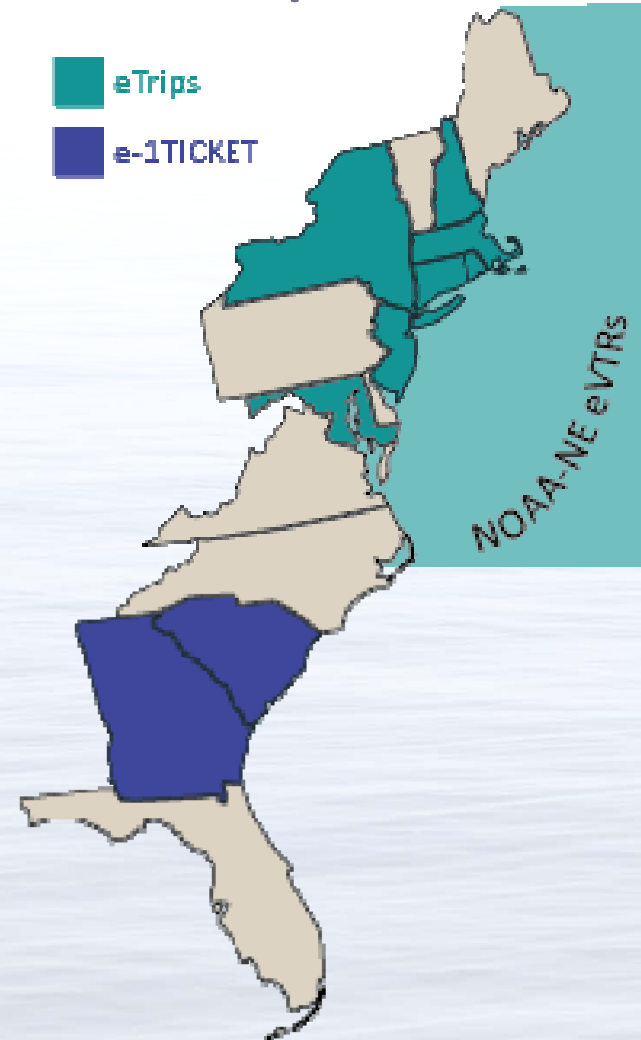


eTrips



- Web-based application that collects **catch and effort data**
- Trips may be categorized as commercial, party/charter, or recreational

Partner Implementation

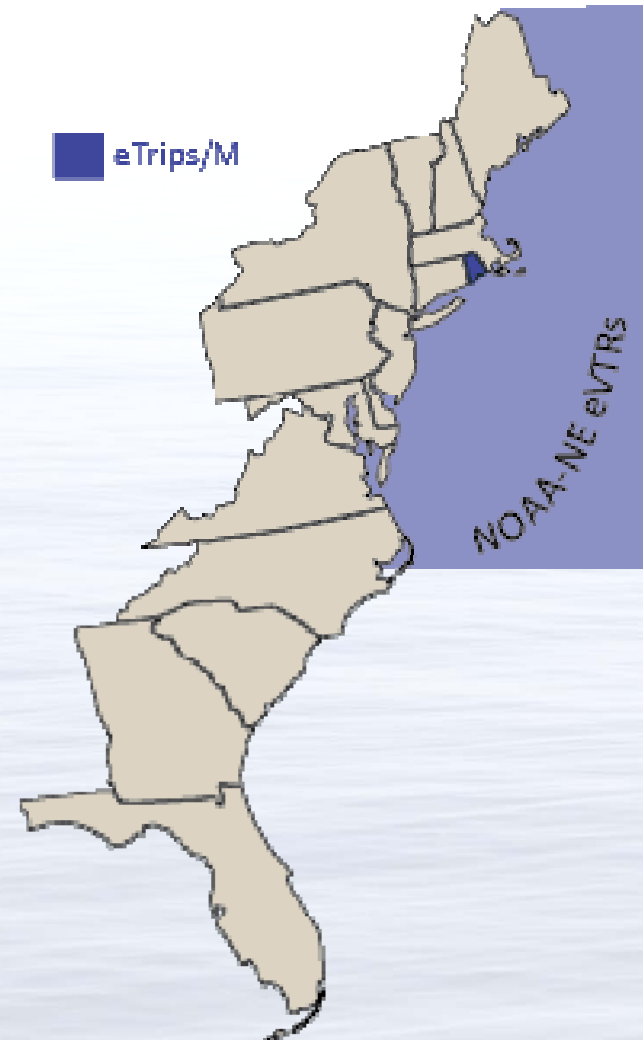


eTrips/mobile



- Mobile, tablet-based version of ACCSP's eTrips application
- Collects catch and effort data while at sea, **independent of a full-time internet connection**
- Available on Apple and Android platforms

Partner Implementation



Other SAFIS applications



e1-Ticket

- Web-based single ticket application that collects **catch, effort, and landings data**
- Partner
Implementation: SC DNR, GA DNR

eLogbook

- Web-based application that collects data from **private recreational anglers** on a voluntary basis
- Partner
Implementation: MA DMF, CT DEEP, RI DFW, NYS DEC, NJ DFW, DE DFW

SAFIS Management System

- Administrative interface
- Manage participants
- Manage lookup lists for species, grades, markets, dispositions, etc.



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SAFIS apps



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**Data flow from Program Partners to Data Warehouse
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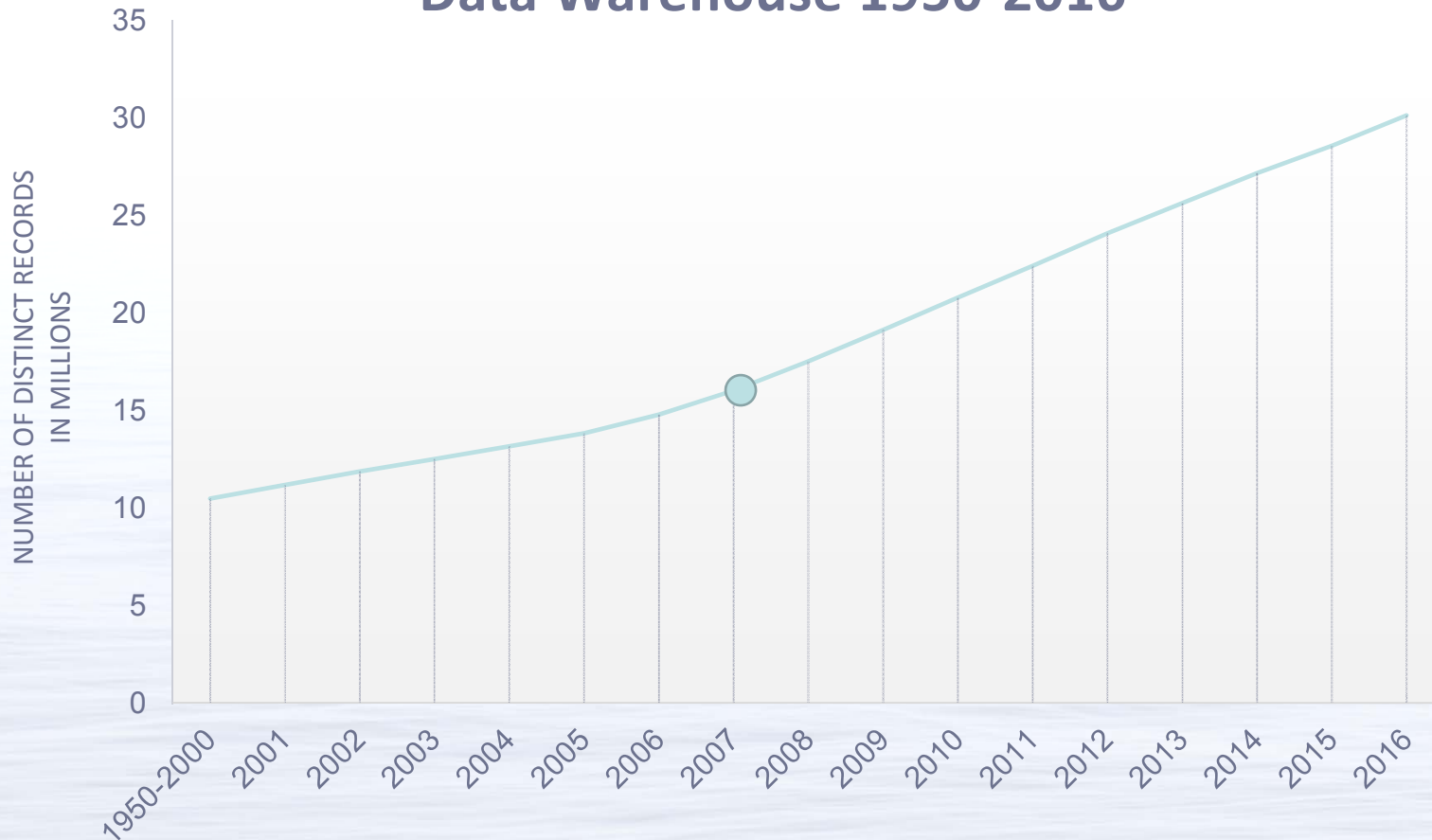


The Data Warehouse hosts the **most complete** set of fisheries-dependent data for the Atlantic coast

- **Data from all Partners**
 - State files, merge data, and SAFIS
- **Commercial 1950 – 2016**
- **Recreational 1981 – 2017**
- **Biological 1981 – 2016**
- **Query interface and custom data requests**



Cumulative Distinct Landings Records in the Data Warehouse 1950-2016



ACCSP assumed responsibility for consolidation of Atlantic coast commercial landings in 2007



Query Interface



The Atlantic Coastal Cooperative Statistics Program Data Warehouse (ACCSP Warehouse) is an online database populated with Atlantic coast fisheries-dependent data. This application is a portal into confidential and non-confidential content of that database.

Log In

Username

Password

Log In

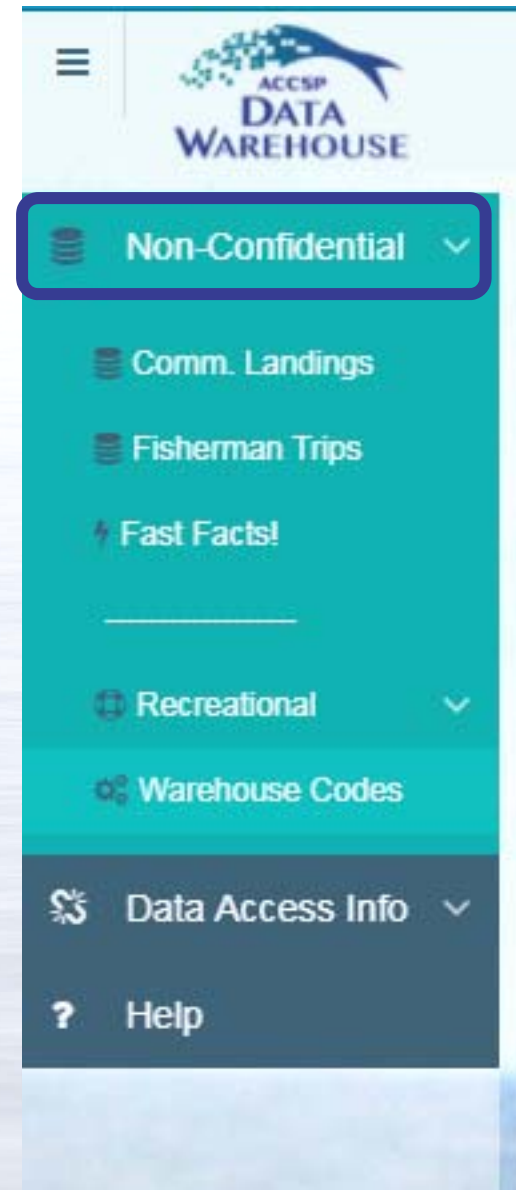
[Forgot Password?](#)

[Sign Up for Login Account](#)



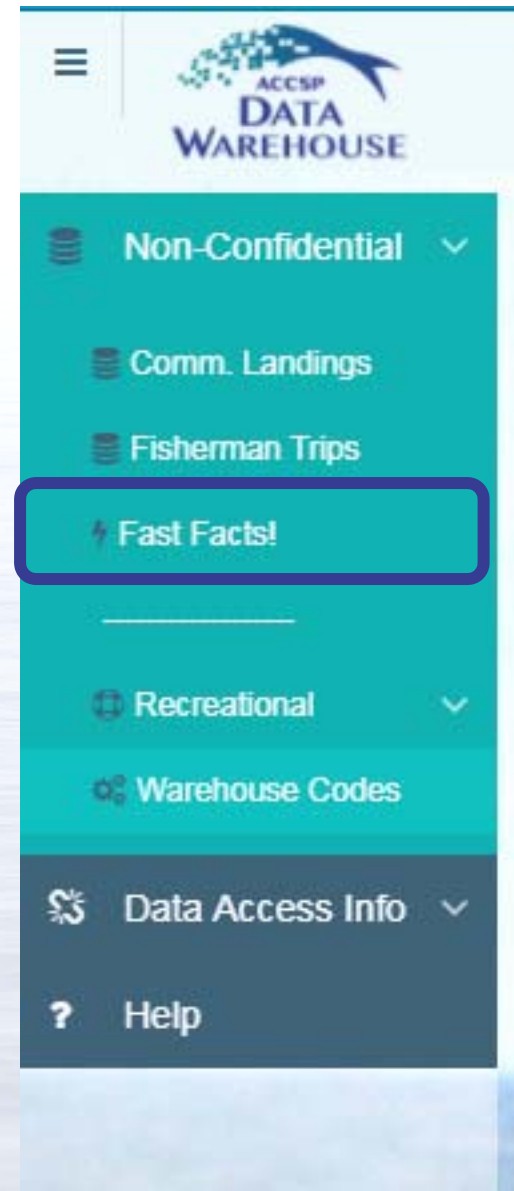
Non-Confidential

- Commercial landings: represent the best compilation of coastal landings and contain the complete total pounds and dollar values.
- Fisherman Trips: (logbooks) typically have good effort data (area/gear) but in most cases do not represent 100% of the fishing activity.



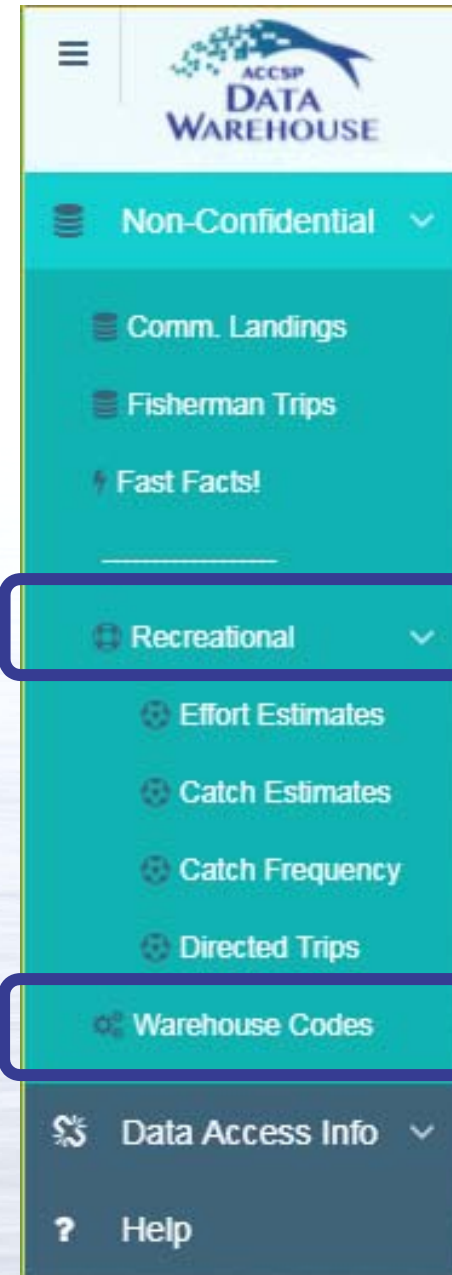
Fast Facts

- Top Ten Landings by Species, Coastwide
- Top Ten Landings by Species and State



Others

- Recreational
- Warehouse Codes
 - Data Dictionary
 - Lookup tables



Data Access

- Login Account Signup
- Request Confidential Access
- Custom Data Request



DEFINE YOUR CUSTOM DATA REQUEST - Please be as specific as possible with the information you are requesting.

1. Why do you need these data? *

Please provide a brief description of the project you are working on and what questions you plan to address using these data. TI questions.



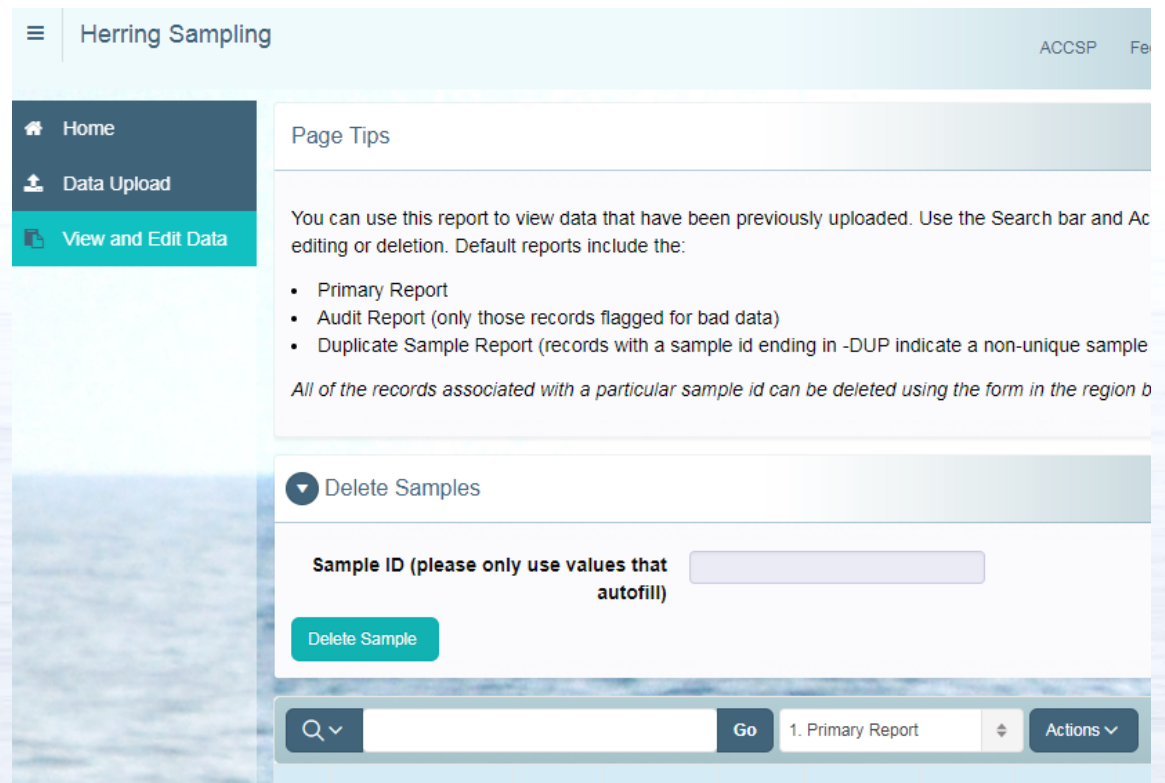
Staff fulfill Custom Data Requests

- Over 50 data requests in the past six months
- Example requests:
 - 2017 FMP reviews for Atlantic Striped Bass and Spiny Lobster
 - SEDAR 56 Black Sea Bass
 - Menhaden Update
 - Summer Flounder Amendment
 - NOAA Office of Coastal Management downscaling workshop



Developed ASMFC Atlantic Herring Area 1A Spawning Monitoring System

- Piloted in 2016
- Approved for continued use by the ASMFC Atlantic Herring Section in May
- Fisheries Focus Vol. 26, Issue 4 Aug/Sept 2017



The screenshot displays the 'Herring Sampling' web application interface. The top navigation bar includes a hamburger menu icon, the title 'Herring Sampling', and user information 'ACCSP Fe'. A left sidebar contains three menu items: 'Home', 'Data Upload', and 'View and Edit Data' (which is highlighted in teal). The main content area features a 'Page Tips' section with the following text: 'You can use this report to view data that have been previously uploaded. Use the Search bar and Actions menu for editing or deletion. Default reports include the:'. Below this, a bulleted list lists: 'Primary Report', 'Audit Report (only those records flagged for bad data)', and 'Duplicate Sample Report (records with a sample id ending in -DUP indicate a non-unique sample)'. A note states: 'All of the records associated with a particular sample id can be deleted using the form in the region below'. The 'Delete Samples' section includes a dropdown arrow, a text input field for 'Sample ID (please only use values that autofill)', and a teal 'Delete Sample' button. At the bottom, there is a search bar with a magnifying glass icon, a 'Go' button, a dropdown menu showing '1. Primary Report', and an 'Actions' dropdown menu.

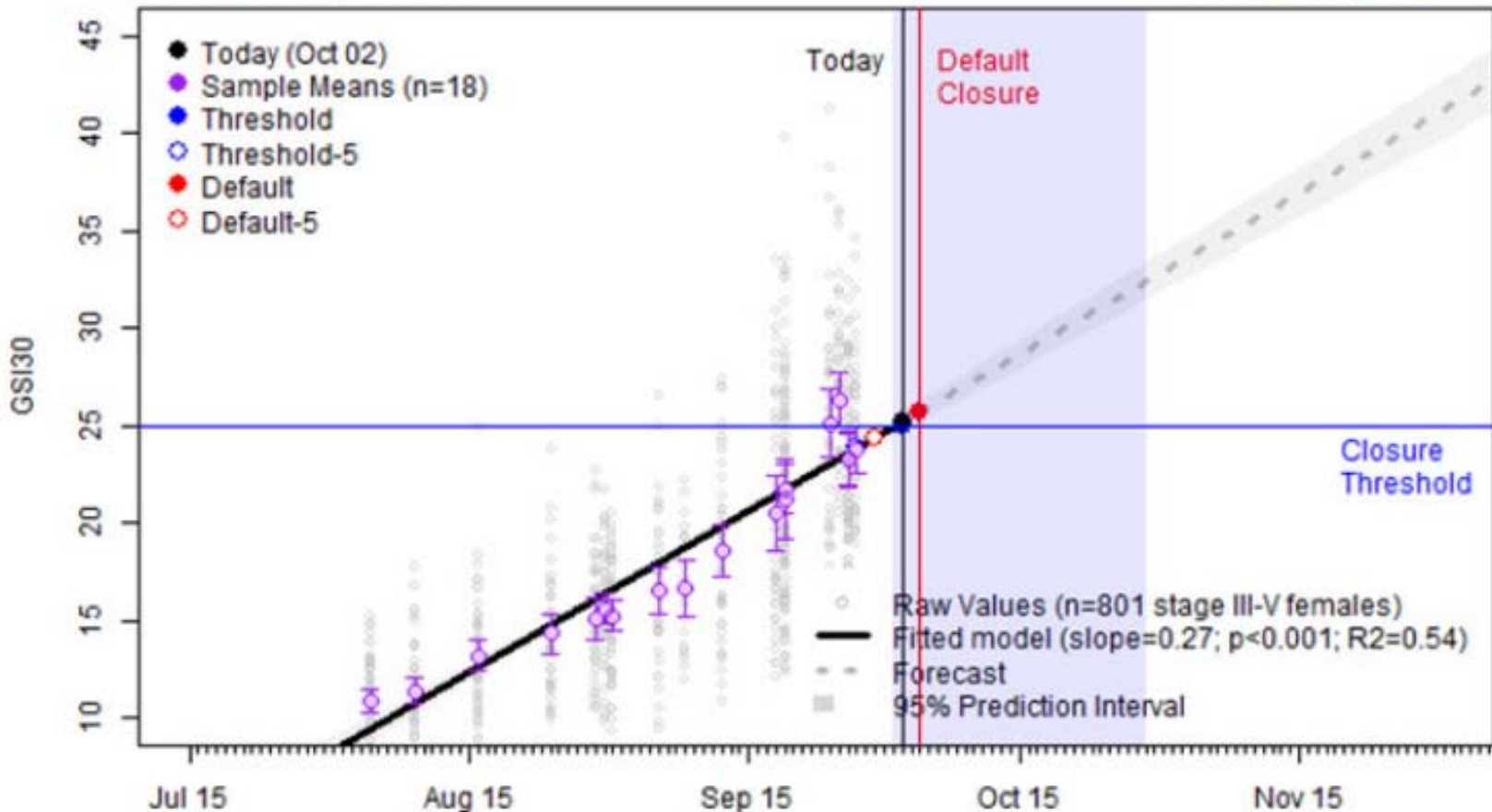


MANH Spawning Area

as of October 02, 2017 09:32

Closure: Oct 01

Notify: Sep 26



Modeling Projection of the Spawning Area Closure Date for Massachusetts - New Hampshire. All projections on this webpage may be updated due to new data.



Bringing it all together

- Collecting and compiling comprehensive data for the Atlantic coast
- Disseminating those data to partners and other stakeholders
- Process is dependent on the collaboration and participation of **ALL PARTNERS**





Questions?

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ACCSP Commercial Data in Stock Assessments

Dr. Katie Drew

ASMFC Senior Stock Assessment Scientist

*Our vision is to be the principal source of fisheries-dependent information
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Outline

- What assessment scientists are looking for in their data
- Examples with ASMFC assessments
- Advantages of the ACCSP system

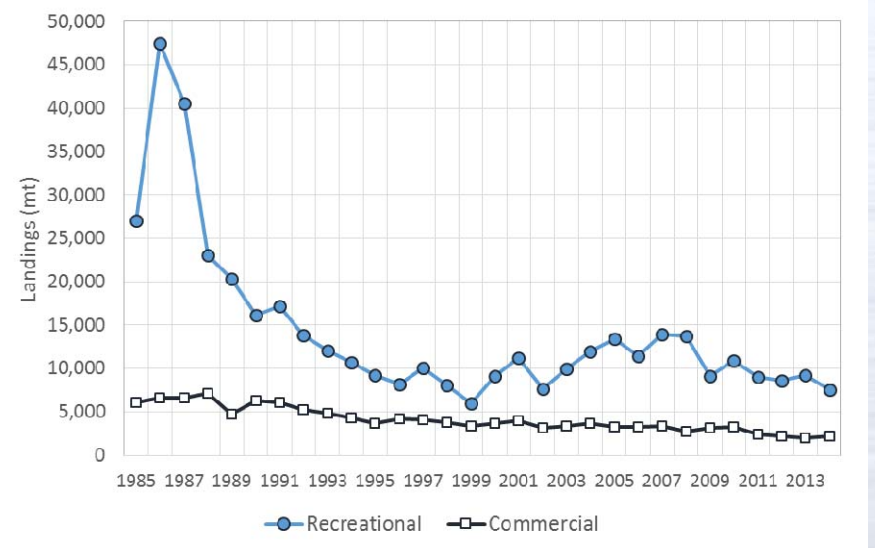
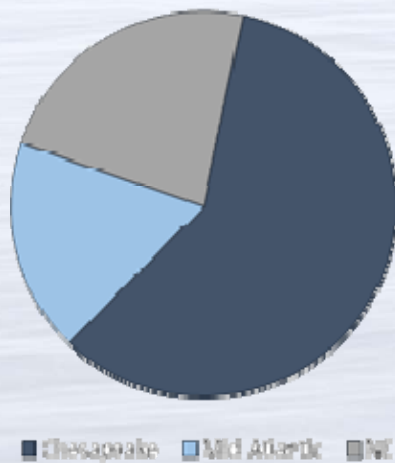


That's some good data

- Best available data!
 - Most complete
 - Most reliable
 - Most flexible/fine scale



Commercial Landings



Most complete

- **State and federal reporting requirements are not the same**
 - Some fishers and dealers report only to the state
- **ACCSP pulls data from a number of different sources, so the time-series the TC gets is more complete than what we could get from any one partner**



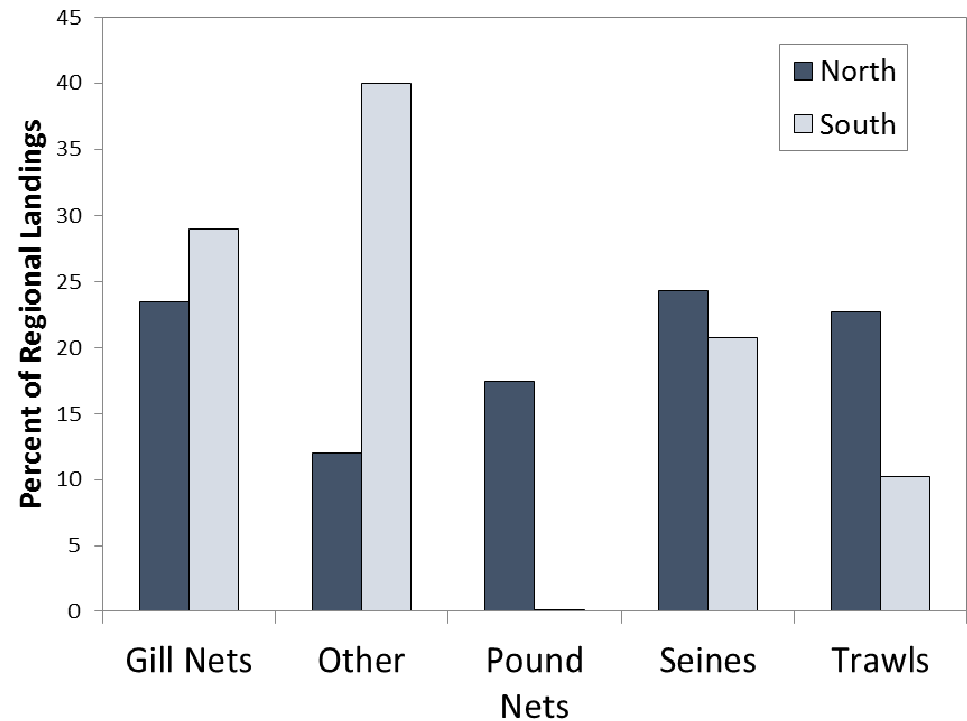
Most reliable

- ACCSP works with partners to:
 - Ensure the data are as accurate & up-to-date as possible
 - Resolve discrepancies between different data sources based on expert knowledge
- This takes the burden off TC members during an assessment



Most flexible/fine scale

- Different fisheries target different age-groups in fish populations
 - Want to know how much of the total landings come from different gears, water bodies, and seasons



Most flexible/fine scale

- ACCSP can pull the data in a lot of different ways, and combine the most reliable components of different data streams to give us the most flexible, fine scale data

→ ACCSP understands confidentiality at these levels & can provide data summarized to levels that are appropriate for assessment reports as well as modeling



ACCSP in ASMFC Assessments

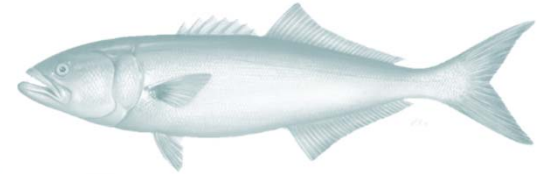
- ACCSP and ASMFC staff work together before, during, and after the Data Workshop
 - Pre-DW data discussion based on previous assessments, current TORs
 - ACCSP staff does initial data pull, works with state and federal data coordinators to vet data
 - ACCSP presents data at DW, gets feedback from TC members on how to refine data pull
 - ACCSP works with ASMFC staff to finalize data for use in model
- Final data query can be easily replicated for updates



ACCSP & ASMFC Assessments

- **Bluefish 2015**

- Through the SAW/SARC process
- Some state-permitted-only data were available through Data Warehouse but not SAFIS/NEFSC database in time



- **Striped bass 2018**

- ACCSP participated in Data Workshop in September
- Makes it easier to explore different spatial breakdowns



Advantages of ACCSP System

- Most complete, reliable, up-to-date data
- Working with ACCSP staff takes the burden off TC members to update & vet commercial data during an assessment
- Easy to replicate data queries during assessment updates





Questions?

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Commercial Fisheries Data: In-season Management in Rhode Island

Presented By: Nicole Lengyel
RI Division of Marine Fisheries

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Outline

- **Background**
 - Data Uses
 - Management Objectives
 - Dealer Data
- **In-season Management**
 - Possession limit change example
 - Management changes to date in 2017



Rhode Island's Data Uses

- **In-season management**
 - Quota Monitoring
 - Quota Projections
- **Development of in-state management**
- **State stock assessments**
- **Dealer compliance with 2x/week reporting**
- **Dealer data audits:**
 - Port
 - License
 - Vessel
 - Price
- **License activity standards**
- **Many others**



Rhode Island's Data Uses

- **In-season Management**

- Quota Monitoring
- Quota Projections

- Development of In-state management
- State stock assessments
- Dealer compliance with 2x/week reporting
- Dealer data audits:
 - Port
 - License
 - Vessel
 - Price
- Many Others



RI Management Objectives

- Fisheries are managed to :
 - Maximize the harvest of any RI commercial quota
 - Prevent annual quota overages and paybacks
 - Maintain possession limits viable for industry
 - Keep seasons open as long as possible
- Management objectives are achieved through:
 - Possession limit modifications
 - Early closures
 - Fishery re-openings



RI Commercial Dealer Data

- All dealers purchasing directly from fishermen in RI are required by regulation to report to SAFIS every Monday and Thursday
- Landings data are queried and downloaded from SAFIS every day M-F
 - Dealer name, vessel, license #, landing date, reported quantity, species
- Downloaded landings data are run through a piece of code in R where:
 - The total pounds landed to date is calculated for each species and each sub-period
 - Data are exported into excel for further analysis and tracking



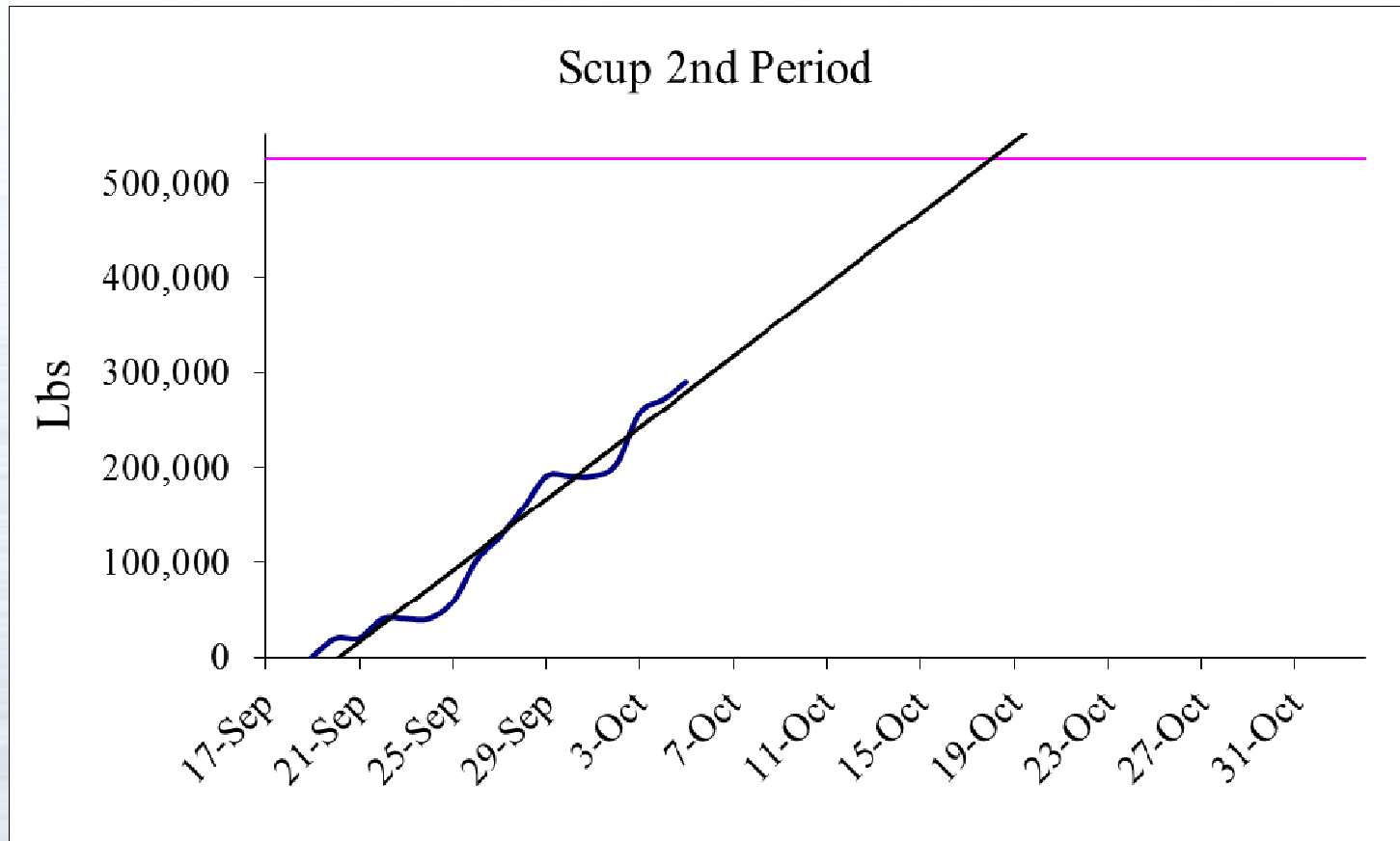
Quota Management Example:

Scup Possession Limit Change



Quota Management: Possession Limit Change

- As of 10/5/17:
 - 235,459 pounds remaining
 - 4 weeks left in sub-period, landing ~120,000/week
 - At current catch rates, only 1.96 weeks remaining
 - Need a POSSESSION LIMIT CHANGE to decrease catch rates



Quota Management: Possession Limit Change

Current limit: 7,500 lbs/vessel/week

Vessel	Week	Start Date	End date	Pounds	6000	5000	# at 80%
VessA	38	9/17/2017	9/23/2017	50	50	50	0
VessB	38	9/17/2017	9/23/2017	100	100	100	0
VessC	38	9/17/2017	9/23/2017	6790	6000	5000	1
VessD	38	9/17/2017	9/23/2017	7210	6000	5000	1
VessE	38	9/17/2017	9/23/2017	5512	5512	5000	0
VessF	38	9/17/2017	9/23/2017	3574	3574	3574	0

Analysis:

- Sum the pounds/vessel/week
- Look at different possession limit changes: 5000, 6000
- Look to see what catch rates would have been in previous weeks at lower limit
 - If a vessel landed > 6000 lbs, assume they now land just 6000 lbs



Quota Management: Possession Limit Change

Pounds	Week	Start Date	End date	Poss	# at 80% poss	lbs at 6000	Lbs at 5000
116,002	38	9/17/2017	9/23/2017	7500	8	85,478	52,478
124,594	39	9/24/2017	9/30/2017	7500	4	82,657	58,679
70,547	40	10/1/2017	10/7/2017	7500	1	52,478	50,126

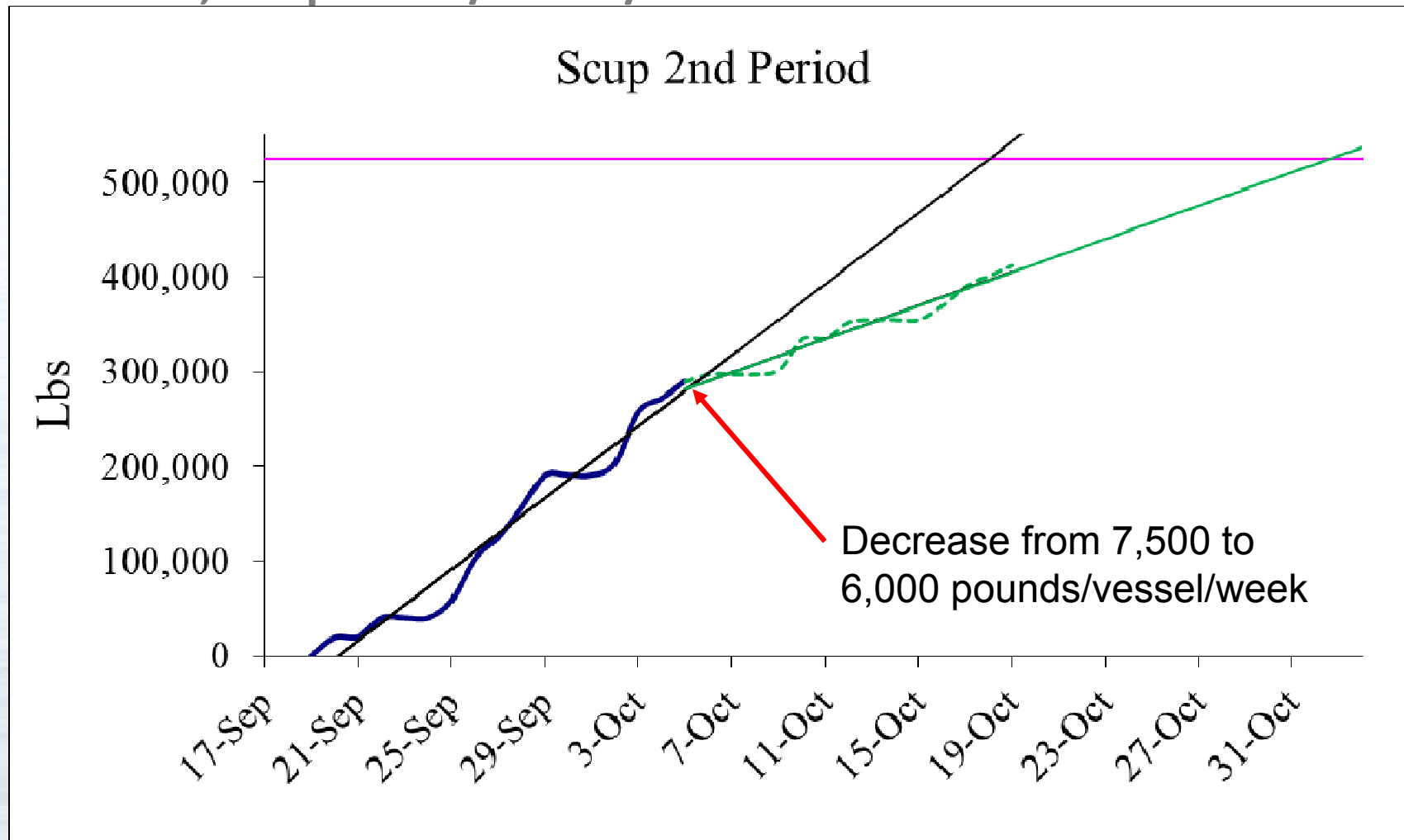
Pounds remaining	235,459
Weeks remaining	4
Aim for	58,865

- At 5,000 pounds/vessel/week come close to the 58,865 needed
- Drop weekly limit to 5,000 pounds/vessel/week



Quota Management: Possession Limit Change

- At 5,000 pounds/vessel/week catch rates decrease and



In Season Management To Date in 2017

- Quota monitored species include:
 - Black Sea Bass
 - Bluefish
 - Menhaden
 - Striped Bass
 - Summer Flounder
 - Tautog
 - Smooth Dogfish
 - Cod
 - Monkfish
- There have been:
 - 12 Possession limit changes
 - 13 Early closures
 - 5 Re-openings



QUESTIONS?





Recreational Fisheries Data

Geoff White

ACCSP Recreational Program Manager

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

Overview

- **Current Data Collection Programs**
- **Regional Collaboration**
- **Benefits of MRIP-APAIS State Conduct Partnership**
- **Electronic Data Collection Technologies**



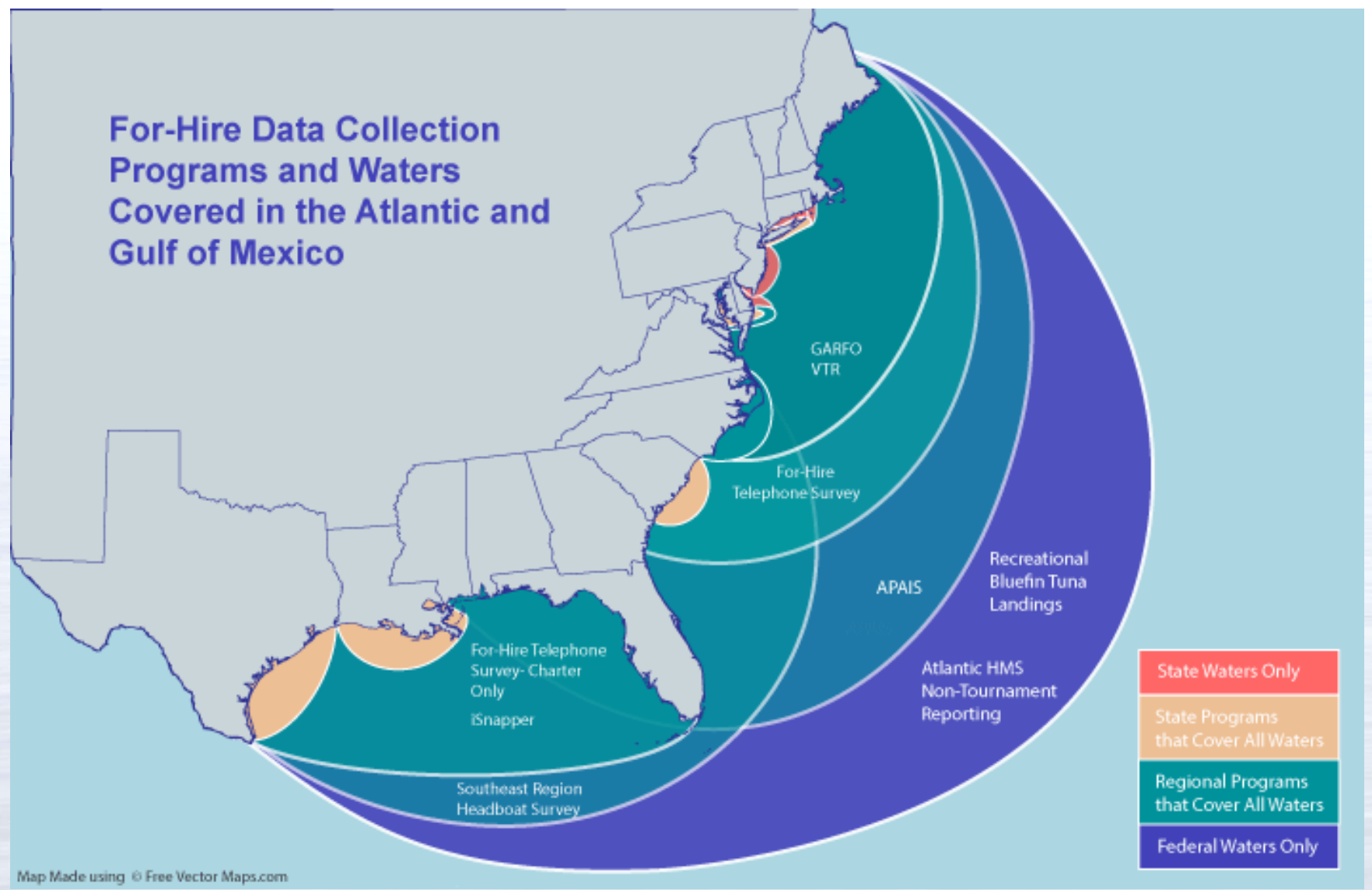
Current Recreational Data Collection

- **MRIP General Survey and For-Hire Components**
 - Catch: Access Point Angler Intercept Survey (APAIS)
 - Effort: Coastal Household Telephone Survey / Fishing Effort Survey
 - For Hire Telephone Survey

- **Special Surveys and Data Collection Programs**
 - Highly Migratory Species
 - For-hire logbook programs
 - Other recreational data collection programs



Geographic Overlap in For-Hire Sampling Programs



Regional Collaboration

- Coordinate APAIS state conduct Maine to Georgia
- Contribute to for-hire data collection
 - SAFIS eTRIPS option for VTR submissions (GARFO, MAFMC, SAFMC)
 - MRIP - SC charter logbook validation project
 - Southeast For-Hire Integrated Electronic Reporting (SEFHIER)
- Completed Atlantic Recreational Implementation Plan



Atlantic Recreational Implementation Plan Priorities

- 1 - Improve PSE for Estimates
- 2 - Comprehensive For-Hire Data Collection and Monitoring
- 2 - Improve Discard/Release Data
- 4 - Biological Sampling for Recreational Fisheries
- 5 - Improved Spatial Resolution and Technical Guidance for Post-Stratification of MRIP Estimates
- 6 - Improved Timeliness of Recreational Catch & Harvest Estimates



Benefits of MRIP-APAIS State Conduct Partnership

- Consistent design and statistics
- Cooperative, flexible approaches: NOAA, States & ACCSP
- Building and maintaining relationships
- Training: efficient & interactive
- Local adjustments to site and vessel lists
- Focus to increase for-hire (charter boat) intercepts
- Shared outreach efforts



Frequently Asked Questions: Access Point Angler Intercept Survey

On the Atlantic and Gulf Coasts from Maine to Louisiana, MRIP gathers catch information through in-person interviews with anglers at public access fishing sites. Our samplers count and interview all anglers at each site. During the interview, samplers measure and weigh all landed fish and ask how many of each species anglers released. The following are questions frequently asked about this survey.

APAIS At-a-Glance

How does NOAA Fisheries collect angler catch data?
On the Atlantic and Gulf Coasts from Maine to Louisiana, NOAA Fisheries works in partnership with state agencies to gather recreational catch information through the Access Point Angler Intercept Survey, or APAIS. Samplers are assigned to a publicly accessible fishing site during a specific time of day. Their job is to interview and count each angler coming in from a fishing trip, regardless of whether the angler caught any fish. During an interview, samplers measure and weigh all landed fish, and ask for the number and species of fish that were released.

What changes have been made to APAIS recently?
As of 2016, all the specially trained samplers who count your catch work for the marine fisheries agency in the state where you've been fishing, or where you end your trip if you've been fishing in federal waters. Using local samplers allows us to:

- Build stronger relationships with anglers. The sampler counting your catch now works for the same agency you already connect with regularly to learn about where and when you can fish, and what you can keep.
- Work better together toward shared goals. State agencies and fishermen have the shared goal of keeping our fisheries sustainable while optimizing quality fishing experiences.
- Broaden our reach. Greater involvement by each state creates more opportunities for sharing information and collaborating among fisheries agencies and fishermen at the local, state, regional, and federal levels.

NOAA FISHERIES

Example Assignment

Sampling Date: June 24, 2017
Time Interval: 2:00 p.m. to 8:00 p.m.
Mode: shore
Site Cluster: 2 sites, medium pressure

1:50 p.m.
Arrive at Site 1 in cluster. Unpack gear and prepare to begin assignment. At 2:00 p.m., begin counting and interview all anglers. After 3 hours, depart site.

5:22 p.m.
Arrive at Site 2 in cluster, after drive time. Count & interview all anglers. At 8:00 p.m., conclude interviews and depart site. Assignment is complete.

FOR MORE INFORMATION
Check in with your state's marine fisheries agency, or visit www.CountMyFish.noaa.gov

How do sampling assignments work?

- Samplers conduct interviews during all parts of the day, including at night.
- Samplers stay at a specified location for a specified amount of time, regardless of the amount of fishing. That means you may see samplers at some sites where there's not much activity.
- Sampling assignments are built using an online database of every publicly accessible fishing site from Maine to Louisiana. Anglers can use this database too, and help keep it accurate by updating any incorrect or out-of-date information. Visit st.nmfs.noaa.gov/site/register/ to learn more.
- Each sampling assignment includes a date, a specific site cluster, a predetermined order in which to visit sites in that cluster, a time interval for the assignment, and a fishing mode to sample. Modes are either shore, private boat, charter boat, or private and charter boat combined.

What is a "site cluster?"
A group of sites with similar characteristics. Each cluster contains 1 or 2 sites. Sites are clustered by:

- Type of fishing, or mode
- Level of fishing activity, or "pressure"
- Geographic proximity

How does APAIS affect me?
Many individuals and organizations play different roles in keeping our fisheries sustainable. As an angler, the data you provide to shoreside samplers helps shape the science and management decisions that directly impact you.

Sustainable Fishing Starts with YOU!

Massachusetts offers some of the best recreational fishing opportunities in New England! From coldwater groundfish north of Cape Cod to fluke and scup in warmer southern waters, and striped bass everywhere in between, we have something for everyone!

Marine Fisheries is dedicated to producing accurate estimates of recreational catch and effort through the MRIP survey.

Marine Fisheries staff are in the field to interview anglers at fishing sites throughout the state including boat ramps, marinas, beaches, jetties, and aboard headboats.

- Survey questions include: What species were caught and how many?
- The interviewer will count, weigh, and measure your catch.
- The survey is important to your fishery—please answer all questions accurately and with courtesy.



Your Data Matter!

- The information you provide is used by scientists to better manage our fisheries. It is not used in law enforcement.
- Quality data will produce an accurate survey that leads to sustainable fisheries.
- All data collected are kept confidential.

Questions? Contact Dave Martins
dave.martins@state.ma.us | (508) 990-2860 ext. 121

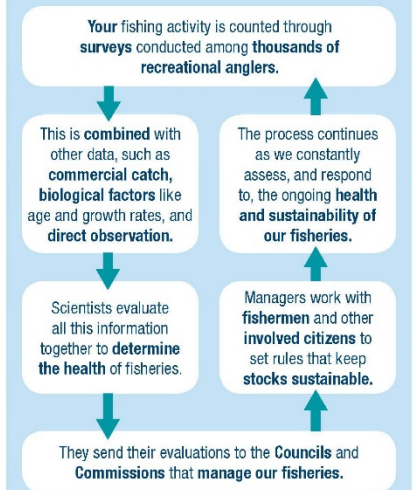
Catch more information on *Marine Fisheries*
www.mass.gov/marinefisheries

Turn over for additional information about MRIP

Who's Counting My Catch?

Marine Fisheries Specially trained samplers from **Marine Fisheries** work with NOAA Fisheries to conduct the Marine Recreational Information Program (MRIP) angler catch survey. Using state-based samplers allows us to leverage local knowledge and resources, build stronger relationships with anglers, and work together more effectively for the sustainability of recreational fishing.

Your Catch Counts! Here's How:



Learn more. Get involved.
www.CountMyFish.NOAA.gov

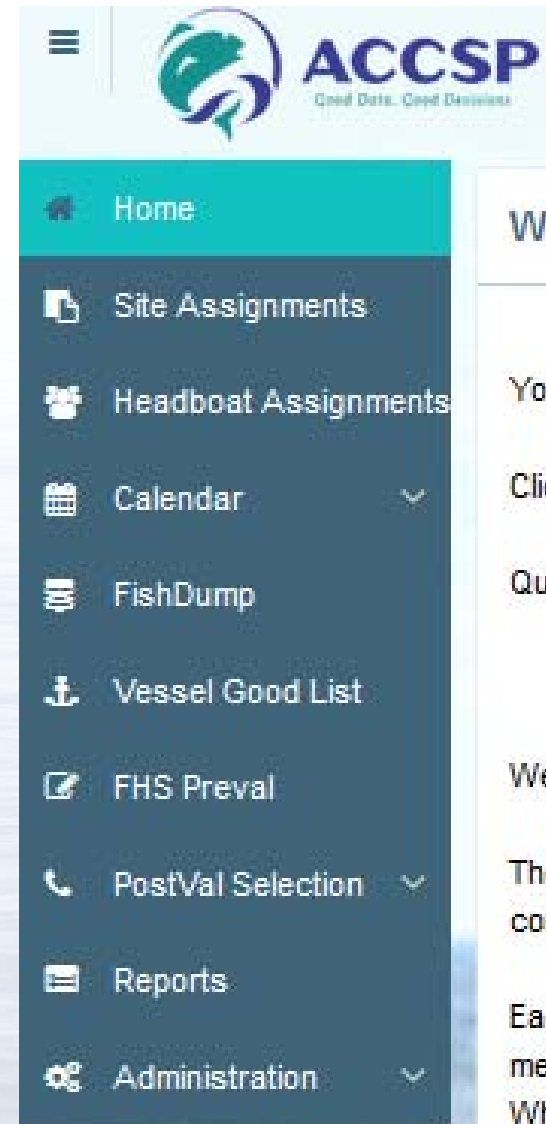
Access Point Angler Intercept Survey

- State conduct of APAIS – January 2016 (ME-GA)
- Built new data processing infrastructure
- Automate where possible, minimize translation
- Online web tool – Assignment Tracking Application (ATA)
- Standardized tools available to all



Assignment Tracking Application

- AP AIS Project Website
 - Distribute AP AIS information **securely** to project personnel
 - States provide weekly completed assignment information
 - Continuous data editing / comments / change logging
 - Real time reports on metrics



Selected Site Assignment / Meeting Details



Close

Site Assignment Details

Int1	Int1 name	Int2	Int2 Name	Asn Date	Timeslot	St	Region	County Code	Site1	Site2	Sitegrp	Ctrl7	Cluster Id	Wk
7531	MICHELLE DANCY	-		18-OCT-2017	P:11AM-5PM	51	2	810	0438	0438	PR	4622410	1100635	42

Site Location Details

State	County code	Site	Site name	Site address	Site directions
51	810	0438	OWLS CREEK PUBLIC RAMP	705 GENERAL BOOTH BLVD.	1/2 MILE S OF RUDEE INLET BRIDGE, GEN BOOTH BLVD, ON RIGHT SIDE NEXT TO AQUARIUM

1 - 1

FHS Pre-Validation Vessels at Selected Site

APAIS

- SA-FI-66 Site:0271
- SA-FI-68 Site:0204
- SA-FI-75 Site:0959
- SA-FI-76 Site:0451
- SA-FI-76 Site:0254
- SA-FI-66 Site:0438
- SA-FI-76 0002/009
- SA-FI-76 Site:0157
- SA-FI-66 Site:0960
- SA-FI-66 Site:0030

nth list

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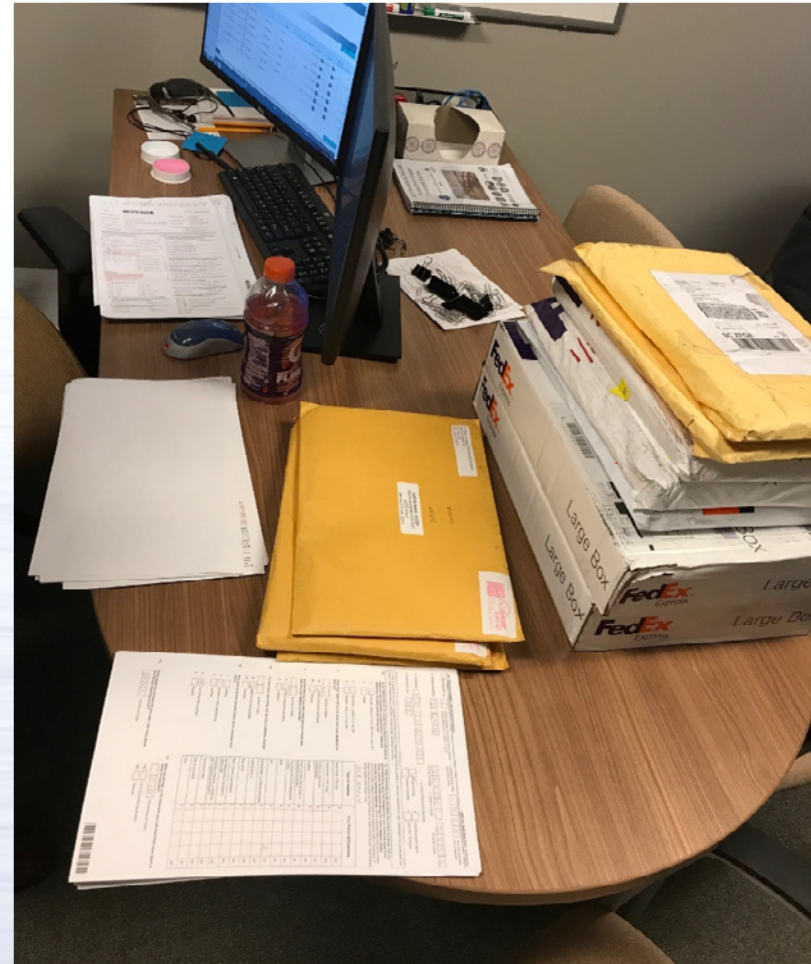


Field Data Collection



APAIS Data Forms Processing

- Check forms and prepare for scanning
- Conversion to PDF files
- Data loaded directly to Oracle database for further processing



Verification Process

2017 ASSIGNMENT SUMMARY FORM

1 ASSIGNMENT NO. 7536

1st INTERVIEWER 2017/08/07

2nd INTERVIEWER DATE: MM/DD

3 SITE GROUP (SH=1; PR=3; CH=5; HB=6) [NC ONLY: BB=1, MM=4] START TIME: 1100 STOP TIME: 1700 SITE: 1585

13 STATE 051 COUNTY ANGLER TRIPS COUNTED (NOT INTERVIEWED): 0001

4577346 CONTROL NUMBER COMMENTS:

5 ASSIGNMENT INTERVAL: 1=0200-0800, 2=0800-1400, 3=1400-2000, 4=2000-0200, 5=1100-1700

ENCOUNTERED ANOTHER INTERVIEWER: 1=YES, 2=NO IF YES, SITE: TALLY BOX

2

IF SITE GROUP = 6, Complete Items in this Box:

Vessel Name & Registration:

HEADBOAT DOCK TO DOCK HRS (round to nearest 15 minutes)

COMPLETED INTERVIEWS:

SH _____ CH _____

PR 7

REASON FOR LEAVING SITE CODES:

06 - Could not find site 12 - Site closed, after hours (time in comments)

08 - Asked to leave 13 - Site closed, other (specify in comments)

11 - End of sampling time 14 - Site unsafe during sample period

Anglers intercepted and included below should NOT be included in ANGLER TRIPS COUNTED above.

CLUSTER ID	TOURNAMENT WEIGH STATION: 1=YES, 2=NO	INTERVIEW STATUS				INELIGIBLE					REASON FOR LEAVING SITE (use codes listed above)
		COMPLETE	Initial Refusal	Language Barrier	Refused Key Question	Not Done	Not Rec	Not Salt	Not Fin	Not U.S.	
1065335	2	07	00	02	10	002	03	00	00	00	11
2nd SITE											
TOTALS		07	00	02	00	002	03	00	00	00	

PACKAGE_ID: 753620170807

ASSIGN_NO: 1

INT_ID: 7536

INT_ID_2:

DATE: 20170807

ASF_YEAR: 2017

ASF_MONTH: 08

ASF_DAY: 07

MODE: 3

STATE: 13

COUNTY: 051

CONTROL NUMBER: 4577346

ASG_INT: 5

ANO_INT: 2

ANO_INT_SITE:

DTD:

DTD_HOUR:

DTD_MIN:

PRIMARY SITE: 1585

TOURN1: 2

PRIMARY_INT: 07

PRIMARY TARGET 3: 00

PRIMARY TARGET 4: 02

PRIMARY TARGET 5: 00

PRIMARY NOTDONE: 002

PRIMARY NOTREC: 03

PRIMARY NOTSALT: 00

PRIMARY NOTFIN: 00

PRIMARY NOTUS: 00

REASON1: 11

ALT1 SITE:

TOURN2:

ALT1_INT:



APAIS State Reports

Reports by State: Month/Wave

Site Assignment Tally

HB Assignment Tally

State Data Edits

State Form Edit Rates

State Non-response Report

Pre-validation State Summary (by Wave)

Pre-validation Vessel Summary (by Wave)

Reports by Interviewer: Month/Wave

Sum of Assignments and QC visits

Form Edit Rate by Interviewer

Post-validation FI Summary (by Wave)

SEAS Summary

Yearly Reports by State

Annual Productivity (Site Assignments)

State Historical Fishdump Changes Requested & Response

State Site Evaluation Report

Sites Not Visited



The BEST of APAIS

NOTE: Reports can be filtered by year/wave/mon above. At a minimum YEAR must be selected to show results.

State Measures

Highest Productivity	South Carolina has the highest productivity in 2017 at 9.99 intercepts per assignment.
Lowest Zero Intercept Assignments	South Carolina has the lowest percent of assignments with zero intercepts in 2017 at 9.88%.
Lowest Edit Rate	New Hampshire has the lowest edit rate for 2017 during Wave 5 at .58%.

▶ [INT: Most Intercepts during one Assignment](#)

▶ [INT: Lowest Edit Rates \(by Wave\)](#)

Positive Outcomes

- Site and vessel frame maintenance
 - Leads to representative survey coverage
- Outreach partnerships
- State relationships with fishermen
- Overall intercepts **up nearly 10% 2016-2017**
- For-hire intercepts **increasing**
- SEAS response high (Coastal average **70%**)




Moving Forward

- **Guiding Principles**
 - * **Maintain flexibility of data collection methodologies**
 - * **Minimize reporting burden through integration of data**
- **Federal Electronic For-Hire Data Collection:**
 - Federally permitted charter logbooks
 - Council actions (MAFMC, SAFMC)
 - SAFIS tools available and tested
- **APAIS Dockside Reporter:**
 - Goal to speed collection of clean data
 - APAIS intercepts piloted 2017
 - 2018 project to integrate headboat assignments and **voice recognition**



APAIS Paper forms

1. FORM  2017 APAIS - Atlantic Intercept Form
OMB NO. 0648-0659
EXPIRES 03-31-2019

2. ASSIGNMENT NO. 7. STATE CODE

3. INTERVIEWER ID

4. DATE: MM/DD 8. COUNTY CODE

5. INTERCEPT NO.

6. INTERVIEWER TIME Time this interview was completed (use 2400 clock)

9. SITE CODE

10. INTERVIEW STATUS (Key Item = *)
 Questionnaire Complete
 Refused Non-Key Item
 Refused Key Item

READ PRIVACY ACT: This study is being conducted in accordance with the privacy act of 1974. You are not required to answer any question that you consider to be an invasion of your privacy.

*11. Would you say you were fishing from ...

BOAT

0 Pier 1 Dock
 2 Jetty, Breakwater 3 Bridge, Causeway
 4 Other Man-made Structure (Specify) 5 Beach or Bank (Additional hours required in Q16)

BOAT

6 Headboat 7 Charterboat
 8 Private Boat 9 Rental Boat

*12. Was most of your (specify mode) fishing effort today in the ... (Select only one)

1 Ocean/Gulf

2 Sound (other than listed) V Cape Cod Bay
 3 River (other than listed) A Narragansett Estuary
 4 Bay (other than listed) B Buzzard's Bay Estuary
 5 Other (Specify) C Long Island Estuary
 D Hudson/Raritan Estuary
 E Delaware Estuary
 F Chesapeake Estuary
 G Albemarle/Pamlico Estuary

*13. Was that ...

1 Three Miles or Less From Shore
 2 More Than Three Miles
 8 Waterbody Does Not Apply

14. What type of gear was primarily used? (Select one only)

01 Hook and Line 07 Trap
 02 Dip Net, A-frame 08 Spear
 03 Cast Net 09 Hand
 04 Gill Net 10 Other (Specify) _____
 05 Seine 98 Unknown
 06 Trawl 99 Refused

15a. To the nearest half-hour, how many hours have you spent (specify mode) fishing today? That is, how many hours have you actually spent with your gear in the water?

No. of Hours Codes: If, "Don't Know" = 99.8 If, Refused = 99.9

15b. [If on boat] To the nearest half-hour, how many hours have you spent on the boat, away from the dock, today?

No. of Hours Codes: If, "Don't Know" = 99.8 If, Refused = 99.9
 Not Applicable - SH mode

16. [Ask, only if "Beach" or "Bank"] How many additional hours do you expect to fish from shore today? That is, how many more hours will you actually have your gear in the water?

No. of Hours Codes: If, "Don't Know" = 99.8 If, Refused = 99.9
 Not fishing from Beach or Bank

17. What species were you primarily fishing for today?

No Particular Species/Anything

*1 Target

*2 Target

18. Not counting today, within the past 12 months, that is since (insert month) of last year, how many days have you gone saltwater sport finfishing in this state or from a boat launched in this state?

No. of days 998 Don't Know
 999 Refused

19. Not counting today, within the past 2 months, how many days?

No. of days 98 Don't Know
 99 Refused

*20. What is your state and county of residence? If county unknown, ask: What city or town do you live in?

State Code; Name: _____
 County Code; Name: _____

21. What is the ZIP code of your residence?

99997 Foreign Country
 99998 Don't Know
 99999 Refused

22. Do you live in a private residence, or in some type of housing such as a dorm, barracks, nursing home or rooming house?

1 Private Housing 8 Don't Know
 2 Institutional Housing 9 Refused

23. At which of the following types of addresses does your household currently receive mail? (Mark all that apply)

YES NO

Street address with a house or building number
 Address with a rural route number
 U.S. Post Office Box (P.O. Box)
 Commercial mail box business (e.g., Mailboxes, Etc., UPS Store)
 Other (Specify) _____
 Don't Know
 Refused

24. In the event that my supervisor wishes to verify that I have been conducting interviews here today, may I please have your name and phone number?

(If name and/or phone number not given, Q10 = Status 2)

Angler Name
 Phone Day or Night or

Name and/or phone number not given
 Angler aged 16 years or younger (Check both boxes)

BOX B. [If headboat ride-along:] Is this one of the anglers you monitored for discard (Type 9) catch? Yes No Not a HB ride

*25. UNAVAILABLE CATCH Did you catch any fish that are not here for me to look at? For example, any that you may have thrown back or used for bait? NOT GROUP CATCH - Only catch from Angler being interviewed.

Disposition Codes for Q25

1 - Thrown back alive	4 - Used/plan to use for bait	6 - Thrown back dead/plan to throw away
3 - Eat/plan to eat	5 - Sold/plan to sell	7 - Some other purpose

TYPE 2 RECORDS: (CATCH UNAVAILABLE IN WHOLE FORM; FILLETS ARE UNAVAILABLE CATCH.)

Species Name	Species Code	# of Fish	Disp.
1.			
2.			
3.			
4.			
5.			

*26. Did you catch any fish while you were fishing that I might be able to look at?

1 Yes
 2 No - Code Q27, Q28, Q29 as "Not Applicable"
 3 Yes, BUT fish on another angler's form - Fill in interview # where fish are listed
 Code Q27, Q28, Q29 as "Not Applicable"

*29. How many anglers including yourself have their catch here? Please do not include anyone who did not catch fish. Only count those who have their catch here.

No. of Contributors 88 Not Applicable

*27. Did you catch these yourself or did someone else catch some of them?

1 All Caught by Angler - Code Q28, Q29 as "Not Applicable"
 2 Other Contributors 8 Not Applicable

*30. How many people fished on your boat today?

No. of People 888 Shore Mode

*28. Can you separate out your individual catch?

1 Yes - Code 29 as "Not Applicable"
 2 No 8 Not Applicable

*BOX C. If Q11 is SH mode, code Q30 as "888," and Code Box D as "8."
 *BOX D. If response to Q30 is 001, code as "Not Applicable." Otherwise, is this the first angler from this boat that I have interviewed?
 1 Yes 8 Not Applicable
 2 No - Record interview # of 1st angler in the fishing party.

*BOX E: Is this vessel on the Good List? Yes No Vessel name or registration: _____

Check box if vessel has no name AND record Registration Number to determine "on list" status. If "on list" cannot be confirmed, Q10 = Status 5. (Note: BOX E must be completed for ONLY charter and head boat interviews)

*31. AVAILABLE CATCH - ASK: May I look at your fish? What do you plan to do with the MAJORITY of the (species)?

Disposition Codes for Q31	5 - Sold/plan to sell	NOTES/COMMENTS:
3 - Eat/plan to eat	6 - Plan to throw away	
4 - Used/plan to use for bait	7 - Some other purpose	

TYPE 3 RECORDS: (INDIVIDUAL CATCH AVAILABLE IN WHOLE FORM)

Species Name	Species Code	# of Fish	Length (mm)	Weight (kg)	Disp.
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

SEAS Form Attached: Yes 3 No, Initial Refusal 4 No, Less than 16 years



Paper form vs Tablet app?

17. What species were you primarily fishing for today?

No Particular Species/Anything

1st Target _____

--	--	--	--	--	--

2nd Target _____

--	--	--	--	--	--

The screenshot shows a tablet app interface with a dark green header bar containing a back arrow, the title "Intercepts", and a menu icon. The main content area is white and contains the question "What species were you primarily fishing for today?". Below the question, there are two sections for "1st Target" and "2nd Target". Each section has a text input field on the left and a list of species with counts on the right: "DOLPHIN (00)", "PIGFISH (00)", and "PINFISH (00)". The bottom of the screen features a dark green navigation bar with icons for back, add, group, user, angler, add, group, site, and forward. The text "Group 1" and "Angler 1: Angler 1" is visible in the navigation bar. The status bar at the very bottom shows the time "12:35" and battery level "56 %".

APAIS Dockside Reporter Benefits

- Reduce data entry / coding issues in field
- **FASTER:** Transmit data directly into existing database
- Integrate directly with current data processing / ATA
- Address MRIP External Review Recommendation





Questions??

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