

# GMFMC Data Collection Committee

October 17, 2016

CLS America  
Gulf Seafood Institute (GSI)

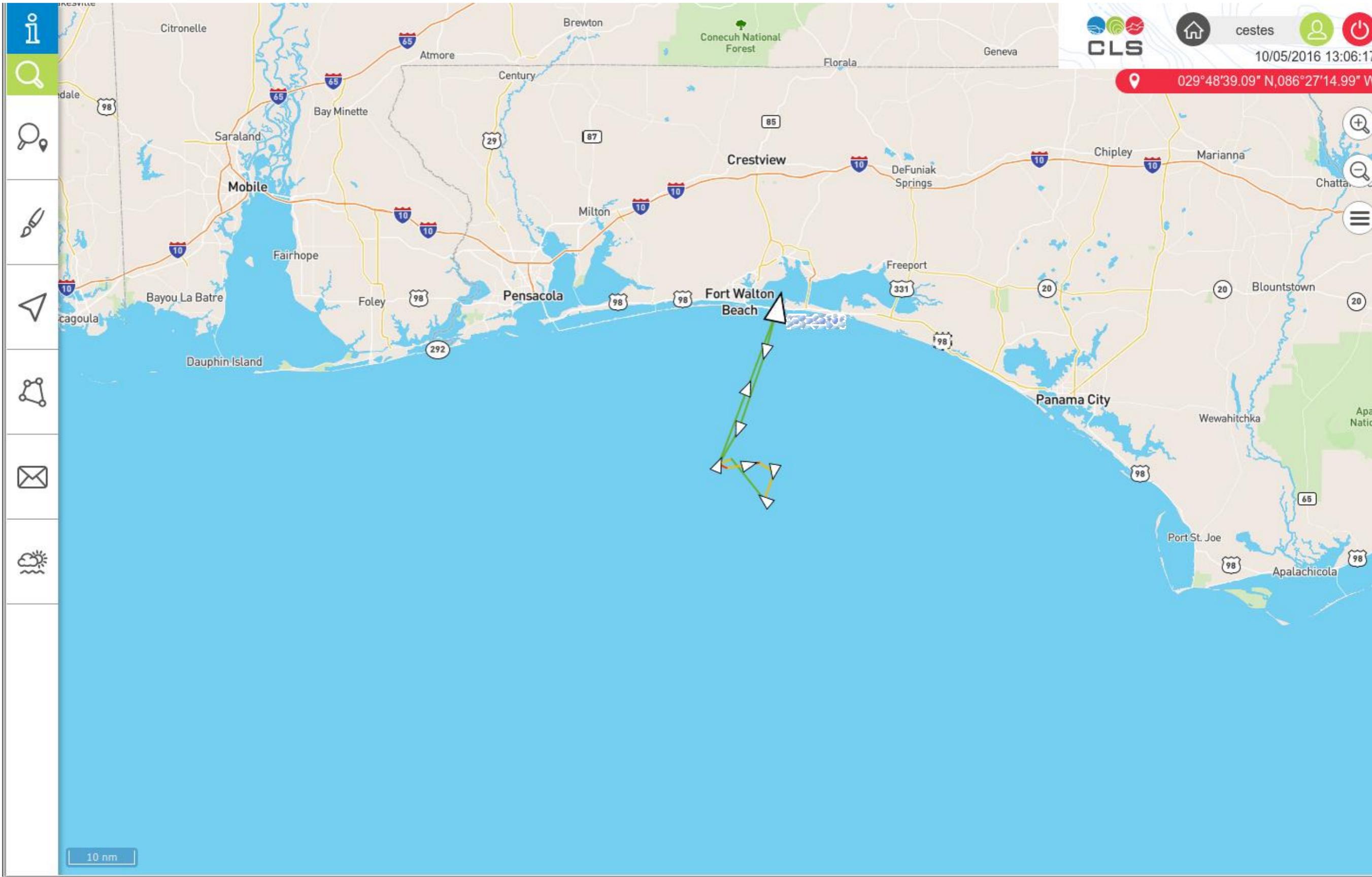
# Electronic Logbook (ELB) Project

# Goals

- Improve CFH data collection in GOM
  - Paper to ELB
  - Reduce uncertainty
  - Calibration of voluntary, validated data
- Trip level catch/effort database
- Augment MRIP data

# Structure

- Voluntary participation with VMS
- Validated, trip reporting via satellite
- No hail in/hail out
- Calibrated to MRIP/state data - Capture/recapture approach
- Participant equity/reward



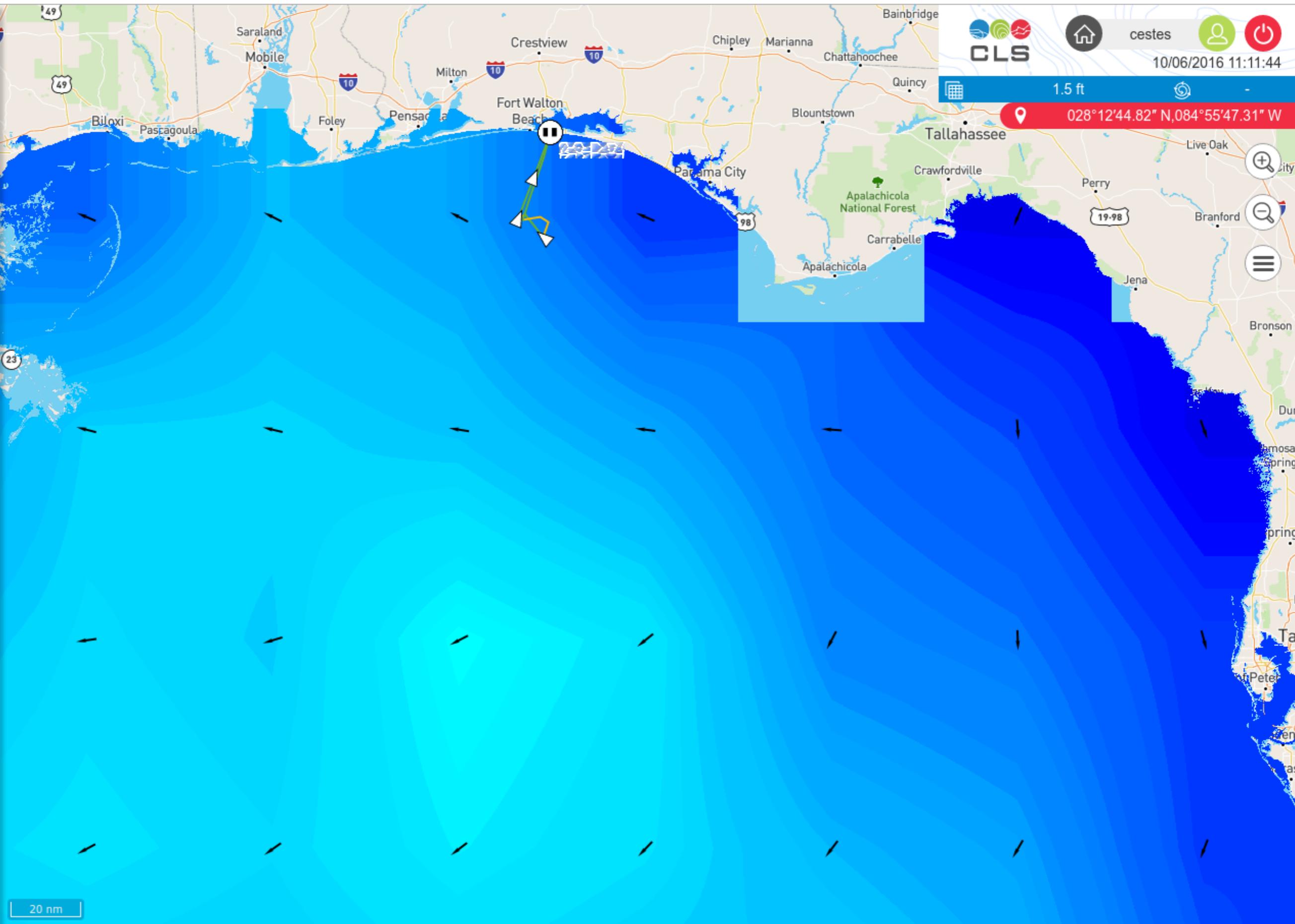
CLS

cestes

10/05/2016 13:06:17

029°48'39.09" N, 086°27'14.99" W

10 nm



CLS cestes 10/06/2016 11:11:44

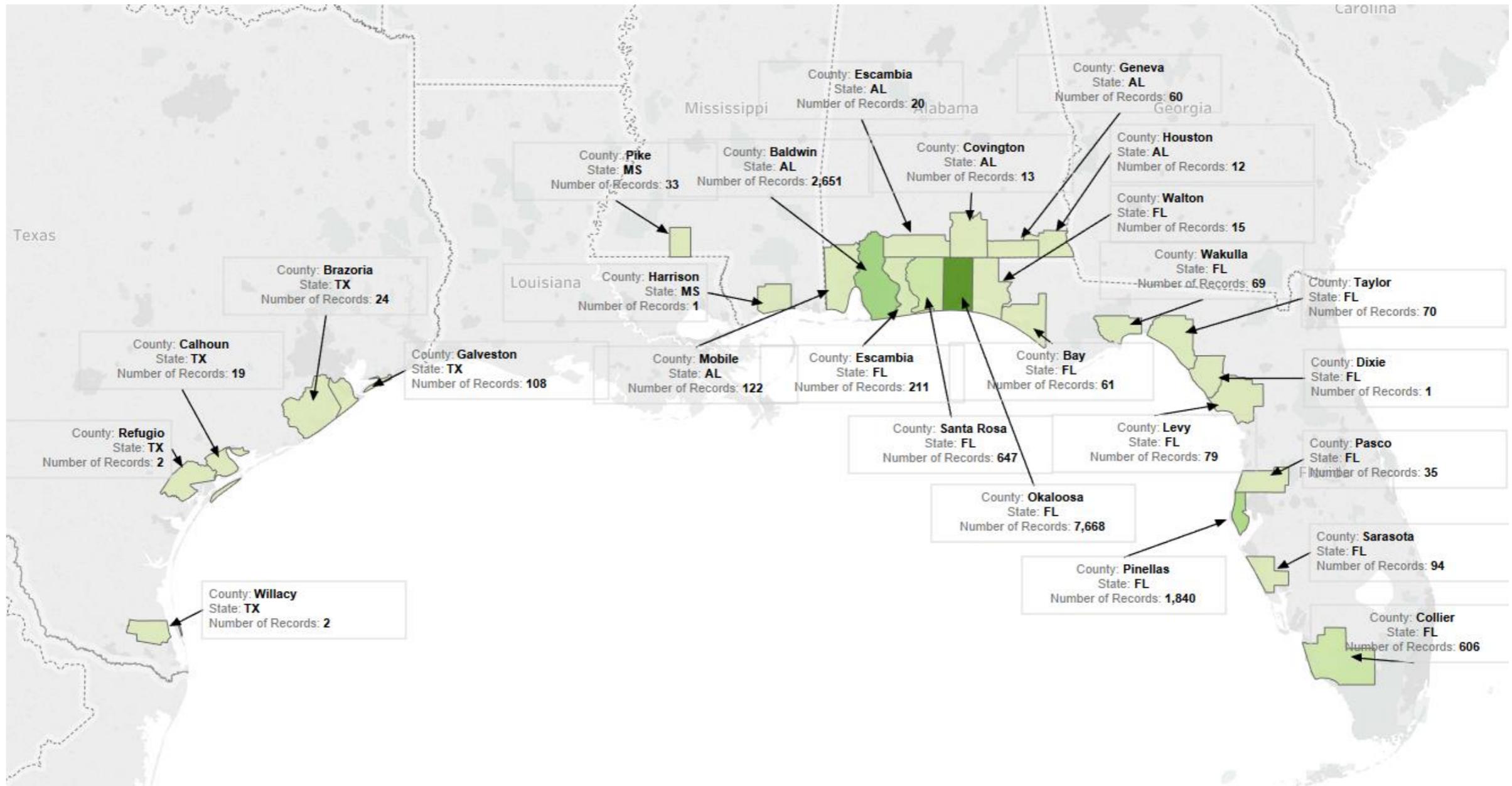
1.5 ft 028°12'44.82" N, 084°55'47.31" W

20 nm

# Installed Vessels

- Florida - 120
- Alabama - 94
- Mississippi - 4
- Texas - 16
- TOTAL - 234

# Vessel Trip Distribution

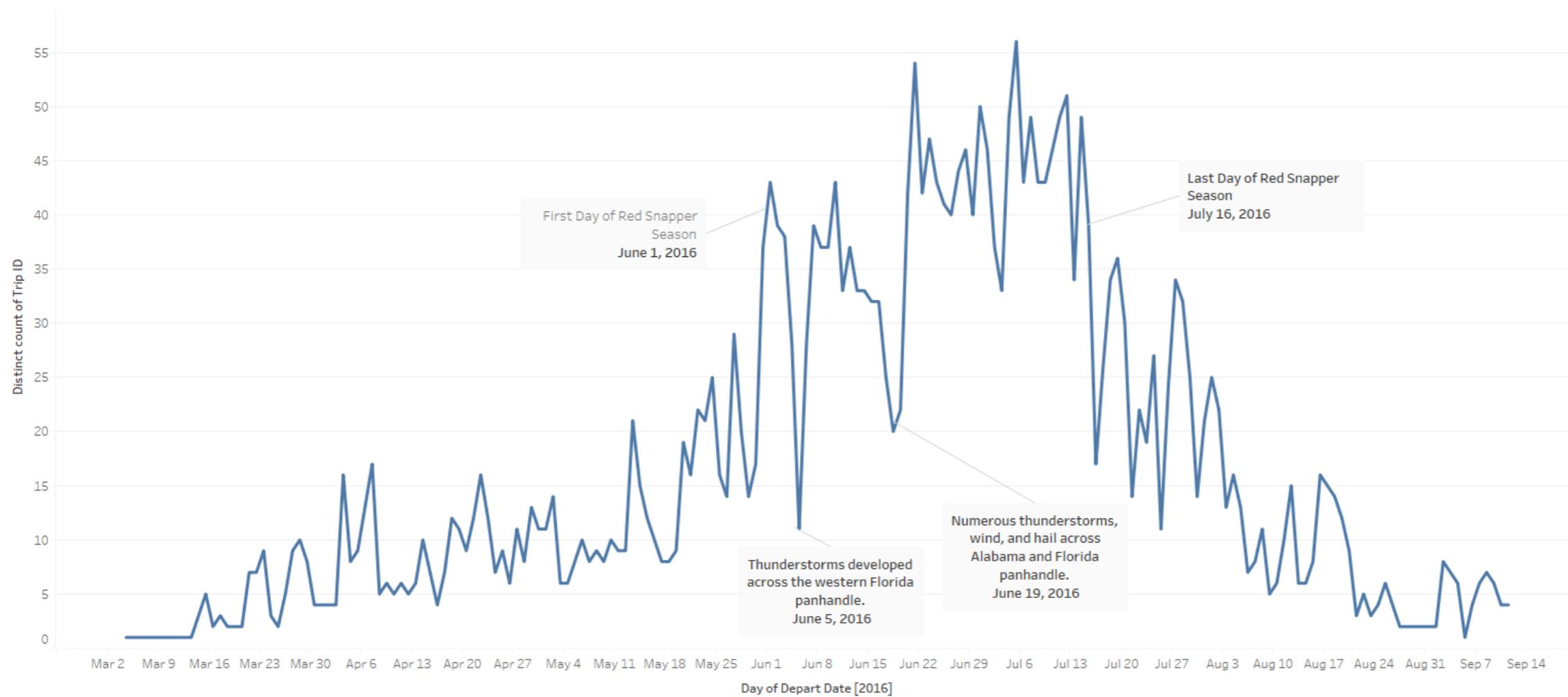


# Vessel TripReports

Total Reports - 6073

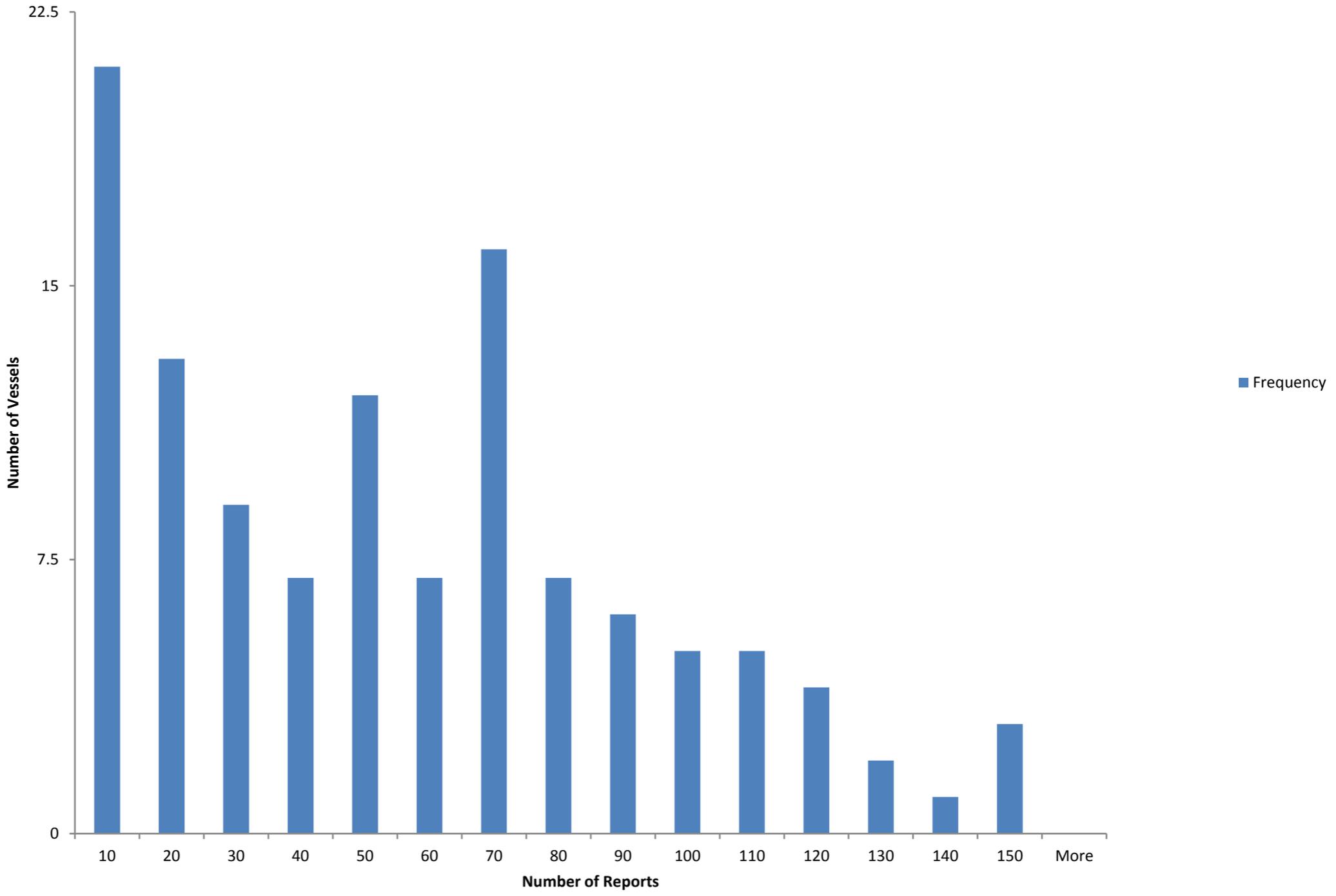
as of 8/31/16

ReportsTrend



The trend of distinct count of Trip ID for Depart Date Day. The data is filtered on Depart Date Year, which keeps 2016.

### Reporting Frequency



# Top 5 Species, # fish

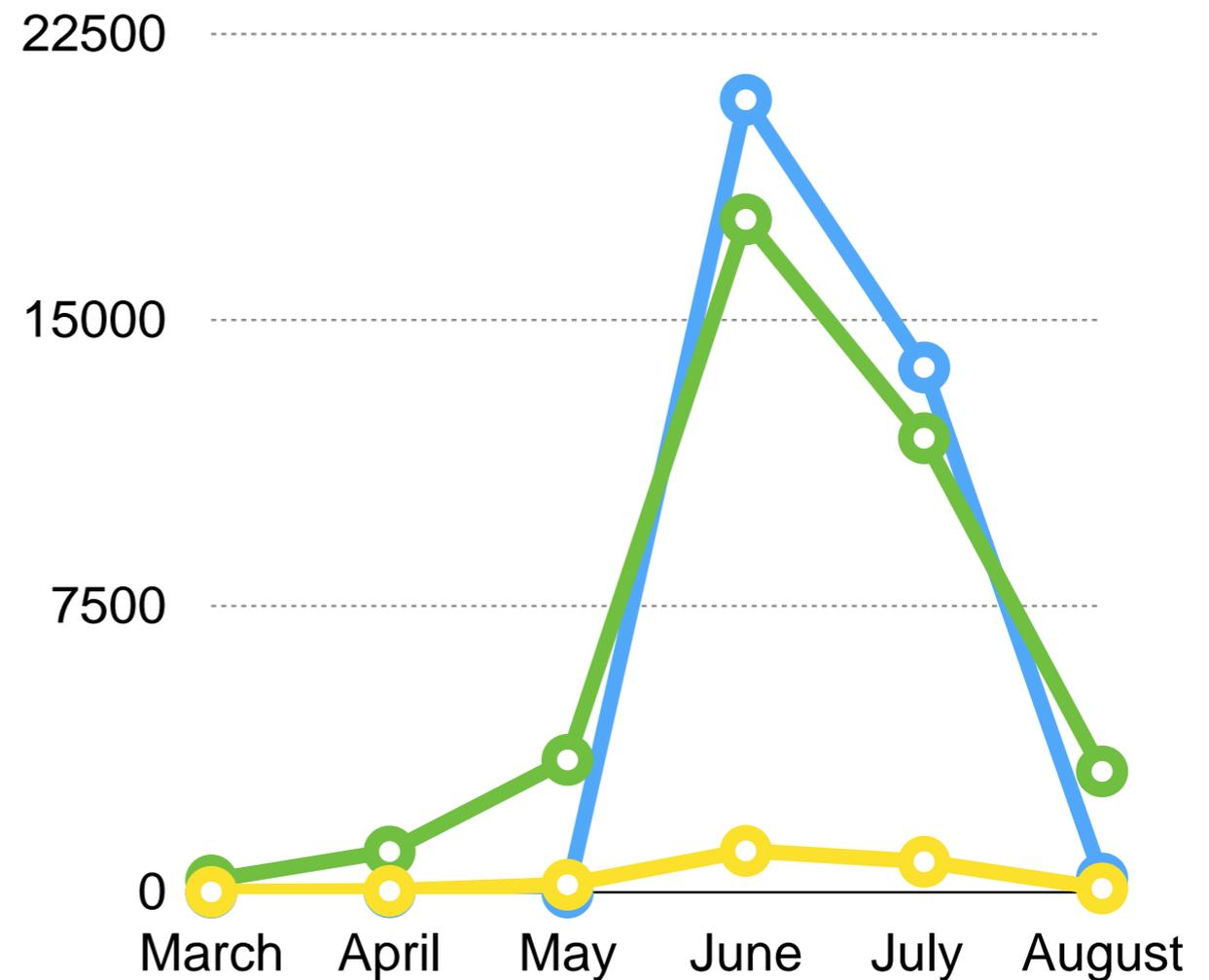
| <u>Species</u>    | <u>Kept</u> | <u>Alive</u> | <u>Dead</u> | <u>Total</u> |
|-------------------|-------------|--------------|-------------|--------------|
| Red Snapper       | 34824       | 37599        | 2243        | 74666        |
| Vermilion Snapper | 50154       | 6557         | 492         | 57203        |
| Red Porgy         | 25186       | 2208         | 159         | 27553        |
| Red Grouper       | 3788        | 19328        | 340         | 23456        |
| Gray Triggerfish  | 3795        | 17458        | 134         | 21387        |
| Totals            | 117747      | 83150        | 3368        |              |
| 204265            |             |              |             |              |
| % Total           | 57.6        | 40.7         | 1.6         |              |

Mar 1 - Aug 31, 2016, Preliminary data

# Red Snapper, 2016

## Number of fish

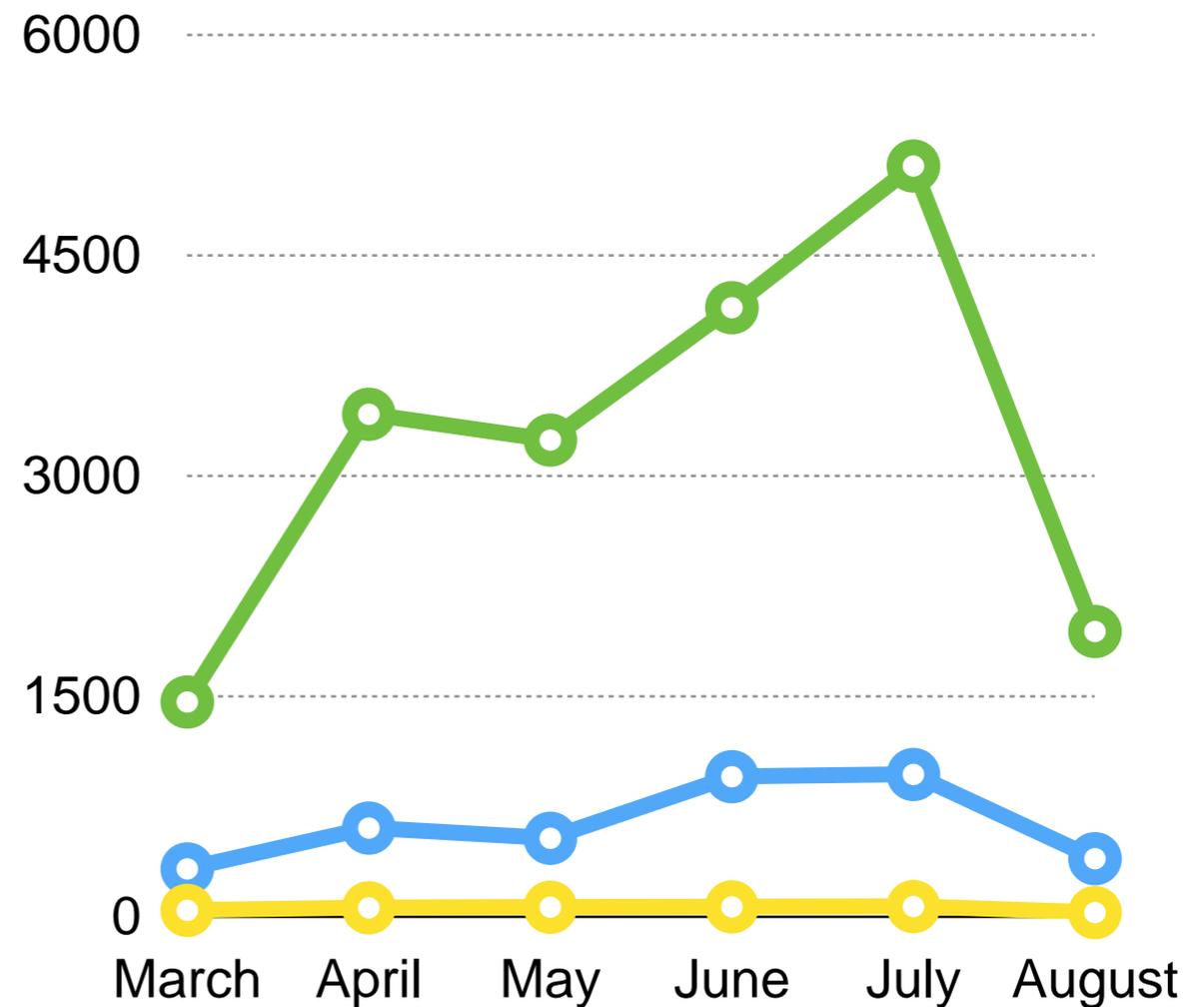
- Blue - Kept
- Green - Discard alive
- Yellow - Discard dead



# Red Grouper, 2016

## Number of fish

- Blue - Kept
- Green - Discard alive
- Yellow - Discard dead



# Target Species

## Percentage of entries

| Species Name | Primary | Second | OR    |
|--------------|---------|--------|-------|
| No Entry     | 16.2%   | 66.0%  | 36.5% |
| RS           | 47.3%   | 1.7%   | 23.2% |
| BLiner       | 22.5%   | 8.4%   | 12.6% |
| King Mack    | 14.5%   | 9.2%   | 9.9%  |
| RG           | 11.4%   | 2.6%   | 7.0%  |
| RP           | 3.0%    | 5.8%   | 4.4%  |
| Gag          | 2.2%    | 3.9%   | 3.1%  |

# Challenges

- Participation
  - Initial/Ongoing
- Calibration - Coverage/Compliance/Variance
- Feedback
- Future

?

| Table: Summary of trip information in for-hire data collection programs in the Atlantic and Gulf of Mexico. |                                 |                      |                    |             |                                      |            |                  |                        |                                    |                              |                     |                     |                           |   |
|---|---------------------------------|----------------------|--------------------|-------------|--------------------------------------|------------|------------------|------------------------|------------------------------------|------------------------------|---------------------|---------------------|---------------------------|---|
| Survey Program  | Trip ID (or program VTR number) | Trip Start Date/Time | Trip End Date/Time | Trip Number | Trip Type (Headboat, Charter, Guide) | Gear Types | Targeted Species | Tournament Participant | Fishing Area (Inland, Bays, Ocean) | Waterbody or Grid Identifier | Distance from Shore | Latitude/ Longitude | Surface Water Temperature | Depth Fished (Average; Shallowest; Deepest) |
| 1 Atlantic HMS Non-Tournament Reporting   |                                 | x                    | x                  |             | x                                    | x          |                  | x                      |                                    |                              |                     |                     |                           |   |
| 2 Recreational Bluefin Tuna Landings  |                                 | x                    | x                  |             | x                                    | x          |                  | x                      |                                    |                              |                     |                     |                           |   |
| 3 Access Point Angler-Intercept Survey (APAIS)  |                                 | x                    | x                  |             | x                                    | x          | x                |                        | x                                  |                              | x                   |                     |                           |   |
| 4 For-Hire Telephone Survey   | x                               | x                    | x                  | x           | x                                    |            | x                |                        |                                    |                              | x                   | x                   |                           |   |
| 5 Large Pelagic Survey  | x                               | x                    | x                  | x           | x                                    | x          | x                | x                      |                                    |                              | x                   | x                   | x                         | A   |
| 6 GARFO Vessel Trip Reporting   | x                               | x                    | x                  |             | x                                    | x          |                  |                        |                                    | x                            |                     | x                   |                           |   |
| 7 HMS Catch Card Census Program   |                                 | x                    | x                  |             | x                                    |            |                  | x                      |                                    |                              |                     |                     |                           |   |
| 8 Southeast Region Headboat Survey (SRHS)   | x                               | x                    | x                  | x           | x                                    |            |                  |                        |                                    | x                            |                     | x                   |                           | A,S,D                                       |
| 9 eTRIPS  | x                               | x                    | x                  | x           | x                                    | x          | x                |                        | x                                  | x                            |                     | x                   |                           | A   |
| 10 RIDFW eTrips/eLog  |                                 | x                    | x                  | x           | x                                    |            |                  |                        |                                    |                              |                     |                     |                           |   |
| 11 CT-Party and Charter Vessel Black Sea Bass Program   |                                 | x                    |                    |             | x                                    |            |                  |                        |                                    | x                            |                     |                     |                           |   |
| 12 NYSDEC   | x                               | x                    | x                  | x           | x                                    | x          | x                |                        | x                                  | x                            |                     | x                   |                           | A   |
| 13 NJ-Party/Charter Boats participating in the Striped Bass Bonus Program                                   |                                 | x                    |                    |             |                                      |            |                  |                        |                                    | x                            |                     |                     | x                         |   |
| 14 Delaware Headboat and Charter Boat Logbook Program (authorized; not implemented)                         |                                 |                      |                    |             |                                      |            |                  |                        |                                    |                              |                     |                     |                           |   |
| 15 Maryland Charter Fisheries Logbook   |                                 | x                    | x                  | x           |                                      |            |                  |                        | x                                  | x                            |                     |                     |                           |   |
| 16 South Carolina Department of Natural Resources Charter Logbook Program                                   | x                               | x                    |                    | x           | x                                    | x          | x                |                        | x                                  | x                            | x                   |                     |                           | S,D   |
| 17 Snapper Check  | x                               |                      | x                  |             | x                                    |            |                  |                        |                                    |                              |                     |                     |                           |   |
| 18 iSnapper   | x                               | x                    | x                  | x           | x                                    |            | x                |                        | x                                  | x                            | x                   | x                   |                           | A,S,D                                       |
| 19 LDWF LA Creel Survey For-Hire  |                                 | x                    | x                  | x           |                                      |            |                  |                        |                                    |                              |                     |                     |                           |   |
| 20 Texas Marine Sport-Harvest Survey  |                                 |                      | x                  |             |                                      |            |                  |                        |                                    | x                            |                     |                     |                           |   |
| 21 MRIP At Sea Headboat Discard Program: ME-VA  | x                               | x                    | x                  |             | x                                    |            | x                | x                      | x                                  | x                            |                     |                     |                           |   |

| Table: Summary of vessel information in for-hire data collection programs in the Atlantic and Gulf of Mexico. |                              | F-5(b)<br>Minimum<br>Data<br>Elements -<br>Vessel |                                  |   |                         |   |                      |                              |                            |   |  |  |   |                      |
|---|------------------------------|---|----------------------------------|---|-------------------------|---|----------------------|------------------------------|----------------------------|---|--|--|---|----------------------|
| Survey Program  | Captain/<br>Operator<br>Name | Vessel<br>Name                                    | State<br>Registratio<br>n Number | Coast<br>Guard<br>Registratio<br>n Number | HMS<br>Permit<br>Number | Primary<br>Port Site<br>(state,<br>county,por<br>t) | Landing<br>Port Site | Company/<br>Owner<br>Address | Contact<br>Phone<br>Number | Eligibility<br>of Vessel<br>(Active/Ina<br>ctive) | Seasonal<br>or Year-<br>round<br>Operation | Frequency<br>of<br>Operation<br>(Daily/Wee<br>kly/Monthl<br>y) | Degree of<br>Cooperatio<br>n with<br>VTDS | # of Crew<br>on Trip |
| 1 Atlantic HMS Non-Tournament Reporting   | x                            | x   | x                                | x   | x                       | x   | x                    | x                            | x                          |   |  |  |   |                      |
| 2 Recreational Bluefin Tuna Landings  |                              |   |                                  |   | x                       |   | x                    |                              |                            |   |  |  |   |                      |
| 3 Access Point Angler-Intercept Survey (APAIS)  |                              |   |                                  |   |                         |   | x                    |                              |                            |   |  |  |   |                      |
| 4 For-Hire Telephone Survey   | x                            | x   | x                                | x   |                         | x   |                      |                              | x                          | x   |  |  |   |                      |
| 5 Large Pelagic Survey  | x                            | x   | x                                | x   | x                       | x   | x                    |                              | x                          | x   |  |  |   | x                    |
| 6 GARFO Vessel Trip Reporting   | x                            | x   | x                                | x   |                         |   | x                    |                              |                            |   |  |  |   | x                    |
| 7 HMS Catch Card Census Program   | x                            | x   |                                  |   | x                       |   | x                    |                              |                            |   |  |  |   |                      |
| 8 Southeast Region Headboat Survey (SRHS)   | x                            | x   |                                  | x   | x                       | x   |                      | x                            | x                          | x   | x  | x  | x   | x                    |
| 9 eTRIPS  | x                            | x   | x                                | x   | x                       | x   |                      |                              |                            | x   |  |  |   | x                    |
| 10 RIDFW eTrips/eLog  | x                            | x   | x                                | x   |                         |   | x                    |                              |                            |   |  |  |   |                      |
| 11 CT-Party and Charter Vessel Black Sea Bass Program   | x                            | x   | x                                | x   |                         |   |                      |                              |                            |   |  |  |   |                      |
| 12 NYSDEC   | x                            | x   | x                                | x   |                         |   | x                    | x                            | x                          |   |  |  |   | x                    |
| 13 NJ-Party/Charter Boats participating in the Striped Bass Bonus Program                                     |                              |   |                                  |   |                         |   |                      |                              |                            |   |  |  |   |                      |
| 14 Delaware Headboat and Charter Boat Logbook Program (authorized; not implemented)                           |                              |   |                                  |   |                         |   |                      |                              |                            |   |  |  |   |                      |
| 15 Maryland Charter Fisheries Logbook   | x                            | x   | x                                | x   |                         |   |                      | x                            | x                          |   |  |  |   |                      |
| 16 South Carolina Department of Natural Resources Charter Logbook Program                                     | x                            | x   | x                                | x   |                         |   |                      | x                            | x                          | x   |  |  |   |                      |
| 17 Snapper Check  |                              |   | x                                | x   |                         | x   | x                    |                              |                            |   |  |  |   |                      |
| 18 iSnapper   |                              | x   | x                                | x   | x                       |   | x                    | x                            |                            | x   | x  | x  |   |                      |
| 19 LDWF LA Creel Survey For-Hire  | x                            |   |                                  |   |                         |   |                      |                              | x                          |   | x  |  |   |                      |
| 20 Texas Marine Sport-Harvest Survey  |                              |   | x                                |   |                         |   | x                    |                              |                            |   |  |  |   |                      |



# Acknowledgements

- CLS America
- Gulf Seafood Institute (GSI)
- Alabama, Florida, Mississippi, Texas
- SERO
- SEFSC
- MRIP
- GMMFC
- Charterboat Associations
- CFH Owners/Captains
- GMFMC