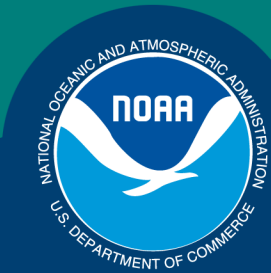


Science, Service, Stewardship



SE Bycatch Monitoring Update

Southeast Fisheries Science Center
December 2017

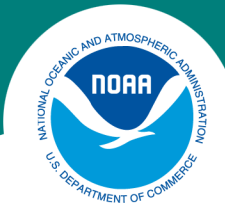
**NOAA
FISHERIES
SERVICE**

NOAA



SE Bycatch Monitoring Fisheries monitored

- Update of the national bycatch report lists 37 fisheries in the continental southeast
- Observer programs exist for 7 of those fisheries
 - South Atlantic shrimp trawl, Gulf of Mexico shrimp trawl, pelagic longline, shark bottom longline (Gulf & S Atl.), SE gillnet (Gulf & S Atl.) and Gulf reef fish (vertical line, buoy gear and bottom longline, BLL, with small amounts BLL coverage in the S Atl in recent years)
 - There was also a vertical line observer program in the South Atlantic in 2014 with a second year of coverage due for 2018
- Electronic logbooks
 - Gulf shrimp e-log captures locations and duration of effort
 - SEFSC/SERO working with ACCSP to implement commercial and for-hire e-logbook



SE Bycatch Monitoring Recent coverage rates

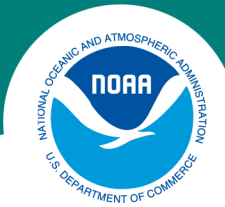
| Fishery | Coverage Rate |
|-----------------------------|---------------|
| Gulf shrimp trawl | ~2% |
| South Atlantic shrimp trawl | ~1% |
| Gulf reef fish | ~3% |
| Shark bottom longline | 1%-4% |
| SE gillnet | ~4%-10% |
| Pelagic longline | ~13% |
| Shark research fishery | 100% |



Observed Commercial South Atlantic Shrimp Fishery Coverage 2008–2017*

| Year | Trips | | | Sea days | | | Tows | | |
|-------|-----------|----------------------------|-----------|-----------|----------------------------|------------|-----------|----------------------------|------------|
| | Mandatory | Voluntary/ experimental | Total | Mandatory | Voluntary/ experimental | Total | Mandatory | Voluntary/ experimental | Total |
| 2008 | 30 | 0 | 30 | 139 | 0 | 139 | 299 | 0 | 299 |
| 2009 | 71 | 0 | 71 | 219 | 0 | 219 | 462 | 0 | 462 |
| 2010 | 30 | 56 | 86 | 82 | 68 | 150 | 186 | 357 | 543 |
| 2011 | 59 | 30 | 89 | 102 | 40 | 142 | 274 | 157 | 431 |
| 2012 | 46 | 17 | 63 | 138 | 22 | 160 | 372 | 111 | 483 |
| 2013 | 58 | 32 | 90 | 157 | 39 | 196 | 392 | 239 | 631 |
| 2014 | 17 | 29 | 46 | 77 | 41 | 117 | 202 | 250 | 452 |
| 2015 | 26 | 0 | 26 | 107 | 0 | 107 | 242 | 0 | 242 |
| 2016 | 47 | 0 | 47 | 203 | 0 | 203 | 498 | 0 | 498 |
| 2017* | 20 | 0 | 20 | 148 | 0 | 148 | 397 | 0 | 397 |

*Preliminary as of 07 Nov 2017

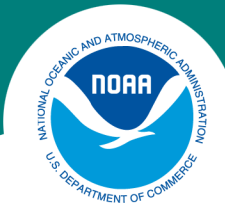


SE Bycatch Monitoring Video Monitoring

Three pilot projects in the Southeast:

- Vertical line fishery in the South Atlantic
- Bottom longline fishery in the Gulf of Mexico
- Both the vertical line and bottom longline fisheries in the Gulf

No EM programs have been implemented at an operational scale in the SE, but progress made on automated species ID and length capture in Alaska fisheries is promising.



SE Bycatch Monitoring Improvements Underway

- SEFSC has contracted for a review of its commercial finfish fishery observer programs and the associated bycatch estimation methods
 - Objectives:
 - Recommended set of estimation approaches
 - Guidance on estimating bycatch of rarely encountered species
- SEFSC is developing an application for tablets to facilitate electronic data entry and daily reporting of observer collected data



Questions?