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# SEFSC Commercial Electronic Logbook Project

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# Logbook use at the SEFSC

- Valuable tool that collects data not collected from any other reporting source
  - Observer, TTP, Landings
- Data used in species stock assessments
- Types of data collected:
  - Catch and effort
  - Spatial
  - Landings

# Uses

- Indices of Abundance
  - Logbook data used to construct indices of abundance
- Discards
  - Used in combination with discard rate to determine total discards
- Landings proportioning

# SE Logbook History

- Vessel logbook programs
  - Pelagic Longline, 1986
  - Gulf of Mexico, 1990
  - South Atlantic, 1992
  - Federally managed shark, 1993
  - King and Spanish mackerel, 1998



Photo: SAFMC

# Electronic Logbooks

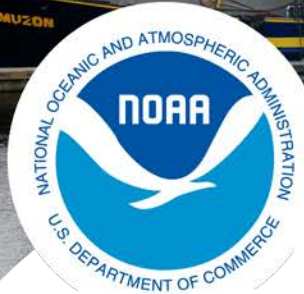
- Need for finer spatial resolution for catch and effort data with fewer errors including improving inputs into:
  - single species stock assessment
  - improve models
    - Multispecies
    - Fisheries and fisher choices
    - Economic
  - management approaches



Photo: NOAA/Collier County Sea Grant Extension

- Current logbooks are limited in providing this data
  - Pelagic logbooks require multiple sheets to collect data at set level
  - Coastal fisheries only collect at trip level
- Use of electronic logbook (e-log) reporting would be timelier with fewer errors in machine generated variables (date, time, location)

# Voluntary e-logbook update



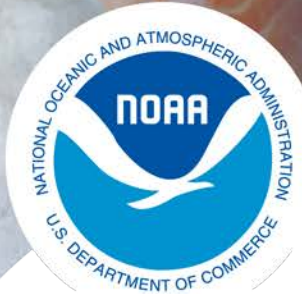
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Estimated time required to have an electronic logbook in production for SE vessels:  $\approx$  **TBD**

Required tasks:

- ✓ Finalize data elements needed by SEFSC
- ✓ Infrastructure changes needed at ACCSP
  - Needs Reconciling -Database populated with SEFSC variables. Needed variables are going through the Standard Codes process
- ✓ Infrastructure changes needed at SEFSC
  - ✓ Completed
- Modifications to ACCSP and SEFSC applications
  - ✓ SEFSC applications complete
  - ACCSP applications being populated and reconciled;
- Modify ACCSP API for 3<sup>rd</sup> party e-logbook software to deliver data to SAFIS
  - In progress, but working on supplemental SEFSC Technical Requirements Document



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## Voluntary e-logbook update

### Infrastructure changes needed at ACCSP:

- Set up SEFSC accounts in SAFIS Management System (SMS)-in progress
  - Set up ACCSP access to SERO permit information – **SERO + ACCSP have generated IDENT variables and provided access through a shared table.**
  - Develop tool within SAFIS to track permits as they move from vessel to vessel- **IDENT value will be used to track permit info.**
  - Develop SE list tables to support database/application- **Completed- testing with ACCSP API**
- ≈ Month: TBD



# Voluntary e-logbook update



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## Infrastructure changes needed at SEFSC:

- ✓ SEFSC develop user account system/interface to “facilitate digital signature” and submit “no-fishing reports” electronically – **Application Launched and participants are being added weekly.**
- Develop software to extract eTrips data from SAFIS and pass to SEFSC- **almost complete-waiting on ACCSP**
- Develop software to integrate eTrips data with paper logbooks- **almost complete-waiting on ACCSP**
- ≈ **TBD** Months to complete:

