# SEFSC Commercial Electronic Logbook Project

Fishery Monitoring Branch

Southeast Fisheries Science Center

Sept, 2019

# 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

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# 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

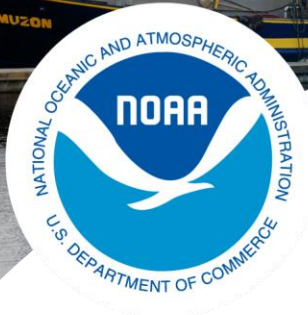Photo: SAFMC

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# 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

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- 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)

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# Voluntary e-logbook update

**Estimated time required to have an electronic logbook in production for SE vessels: ≈ 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 3rd 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

**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:

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