

Tab F, No. 4

SEFSC Commercial Electronic Logbook Project

Julie Brown and Brett Pierce
Fishery Monitoring Branch
Southeast Fisheries Science Center

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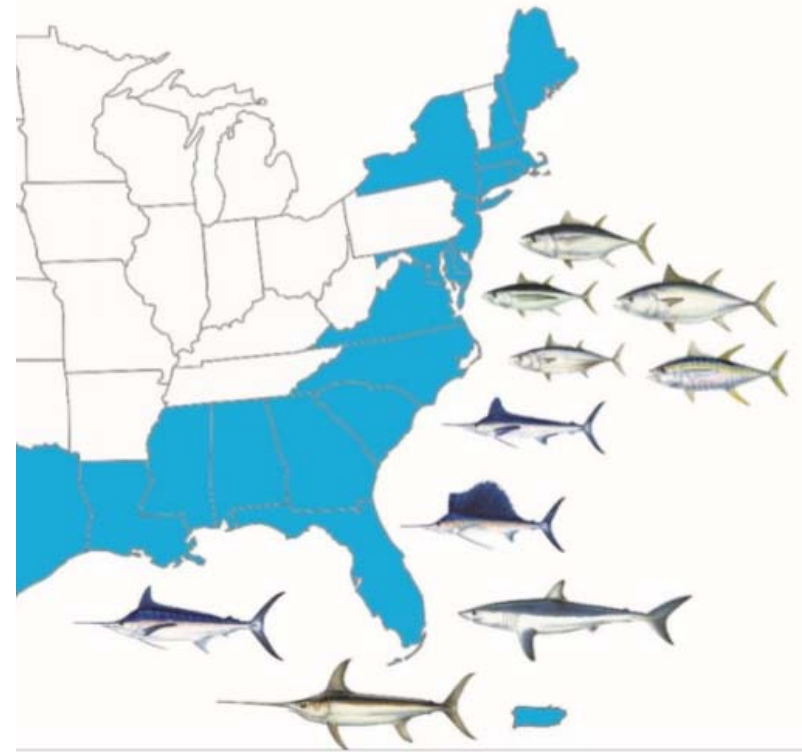
NOAA
FISHERIES
SEFSC

Goals:

Create on-board electronic logbook program that can accommodate vessels participating in multiple commercial federal fisheries and across regional boundaries

2,995 unique vessels owe commercial logbooks to SEFSC

2,573 unique vessels have one or a combination of the following: ATL, GN, KM, RR, RRLE, SFD, SFH, SFI, SKD, SKI, SM



Fishery Codes:

FishCode	Title
ADW	Atlantic Dolphin/Wahoo Commercial
ATL	Atlantic Tuna Longline
GN	Gillnet for King Mackerel
GTFE	South Atlantic golden tilefish longline endorsement
KM	King Mackerel
RR	Gulf of Mexico Reef Fish Commercial
RRE	Gulf of Mexico Reef Fish w/ Trap Endorsement
RRLE	Eastern Gulf Reef Fish Bottom Longline Endorsement
SBPE	South Atlantic black sea bass pot endorsement
SFD	Swordfish Directed
SFH	Swordfish Handgear
SFI	Swordfish Incidental
SG1	South Atlantic Snapper Grouper (Unlimited)
SG2	South Atlantic Snapper-Grouper (225lb Trip Limit)
SKD	Shark Directed
SKI	Shark Incidental
SM	Spanish Mackerel

Permits with SEFSC reporting requirements:

State	ADW	ATL	GN	GTFE	KM	RR	RRLE	SFD	SFH	SFI	SKD	SKI	SM
AK	1	1			1			1				1	1
AL	10	1			23	31		1			3	1	25
CA	1					1							1
CT	2	1			1				1	1		1	
DE	10	2			2			1	1	1	1	2	2
FL	1400	89	16	17	917	599	57	71	50	17	89	97	1305
GA	19				11	1					3	2	16
HI	1	1						1				1	
LA	26	21			40	36		20	1	1	17	21	45
MA	19	5			1			4	3	1	1	9	4
MD	11	5			1			5			3	2	6
ME	3								1		1	1	2
MS	2				6	5							8
NC	428	14		1	200			10		4	19	6	279
NJ	43	23			7			15	2	8	14	17	21
NY	29	9			3	1		8	2	1	5	7	7
OH													
PA	2	1						1			1		
PR	2												1
RI	14								9			2	
SC	79	4		4	19	1		4			5	6	30
TX	12	7			27	62	1	1		6	4	9	7
UN	1	36						18	1	18	20	29	
VA	16				2						1	2	9
VI	1												
WI													
WV	1				1	1					1		1
Grand Total	2133	220	16	22	1262	738	58	161	71	58	188	216	1770
based in Gulf States	1450	118	16	17	1013	733	58	93	51	24	113	128	1390

Gulf Specific Permits with SEFSC reporting requirements:

State	ATL	GN	KM	RR	RRLE	SFD	SFH	SFI	SKD	SKI	SM
AK	1		1			1				1	1
AL	1		23	31		1			3	1	25
CA				1							1
CT	1		1				1	1		1	
DE	2		2			1	1	1	1	2	2
FL	89	16	917	599	57	71	50	17	89	97	1305
GA			11	1					3	2	16
HI	1					1				1	
LA	21		40	36		20	1	1	17	21	45
MA	5		1			4	3	1	1	9	4
MD	5		1			5			3	2	6
ME							1		1	1	2
MS			6	5							8
NC	14		200			10		4	19	6	279
NJ	23		7			15	2	8	14	17	21
NY	9		3	1		8	2	1	5	7	7
OH											
PA	1					1			1		
PR											1
RI							9			2	
SC	4		19	1		4			5	6	30
TX	7		27	62	1	1		6	4	9	7
UN	36					18	1	18	20	29	
VA			2						1	2	9
VI											
WI											
WV			1	1					1		1
Grand Total	220	16	1262	738	58	161	71	58	188	216	1770
based in Gulf States	118	16	1013	733	58	93	51	24	113	128	1390

Transition to eLogbook:

eLogbook will allow us to better capture specific fishing behaviors

Error reduction

Timely submission

New gear/descriptions



Reminders:

Not used for tracking Individual Fishing Quotas or for tracking Annual Catch Limit

The SEFSC does not build or maintain logbook software.

Vendors are responsible for software that satisfies our Standards. Approval process will be the same for Gulf and Atlantic

Pilot Project Participants:



Available to potential vendors:

Technical Requirements, submission instructions, appendices/lists of valid entries, password and electronic signature requirements, and approved software will be posted on NOAA website, to be developed.

Software should be flexible to future amended requirements

Collection Rules:

NMFS-SEFSC type-approved eLog software system that can be deployed and operated on a fishing vessel while at sea

Each trip must have a unique trip identifier

Electronic vessel trip reporting systems must allow the vessel to meet existing reporting regulations. Existing requirements can be found under [50 CFR 622.5(a)(1)(v)]

Password and Electronic signature requirements

Files must be transmitted through an approved third party server hosted by the Atlantic Coastal Cooperative Statistics Program (ACCSP) via an API

Collection Rules

Users must be able to view and edit previous trips.

** Time limits and methodology for editing previous trips is still under consideration

Users must have access to help/support provided by software vendors.

Transmission of data while at sea is optional, via one of the approved Vessel Monitoring System units. Any changes to VMS must go through VMS HQ staff

Biggest Reporting Change is to set-based reporting

HMS commercial fishers have been providing set-based reports that use multiple pages

Coastal commercial fishers have been reporting once per trip

Hail weight/ set vs. total weight / trip

** Much higher resolution for CPUE indices

Old

2018 SE COASTAL FISHERIES TRIP REPORT FORM **Use Black Ink only!** NMFS Control No. 0648-0016 Expiration Date: 9/30/2019

Signature: _____ Phone No.: () - _____ Schedule No. **NMFS Use Only**

Vessel Name: _____ Trip Start Date: MM DD YY County or Parish: _____ State: _____

Vessel No.: _____ Trip Unload Date: MM DD YY Dealer Name: _____ SE Federal Dealer Number: _____

Operator Name: _____ Days at Sea: No. of Crew: _____ State Trip Ticket No.: _____

Operator Number (if known): _____ Check box if landings sold to multiple dealers: Yes

GEAR SECTION: see instructions on Page 2. Check gear box and fill in all the boxes below.

Traps (T) Fish Other Longline (L) Bottom Gill Net (GN) Dredge Anchor Hook & Line Hand Band Trolling Buoy Divers Spear Power Other Gear (O)

Total # Traps/Hours: # Sets # Lines # Hooks per Line # Hooks per Line Total Hrs Fished Total Hrs Fished

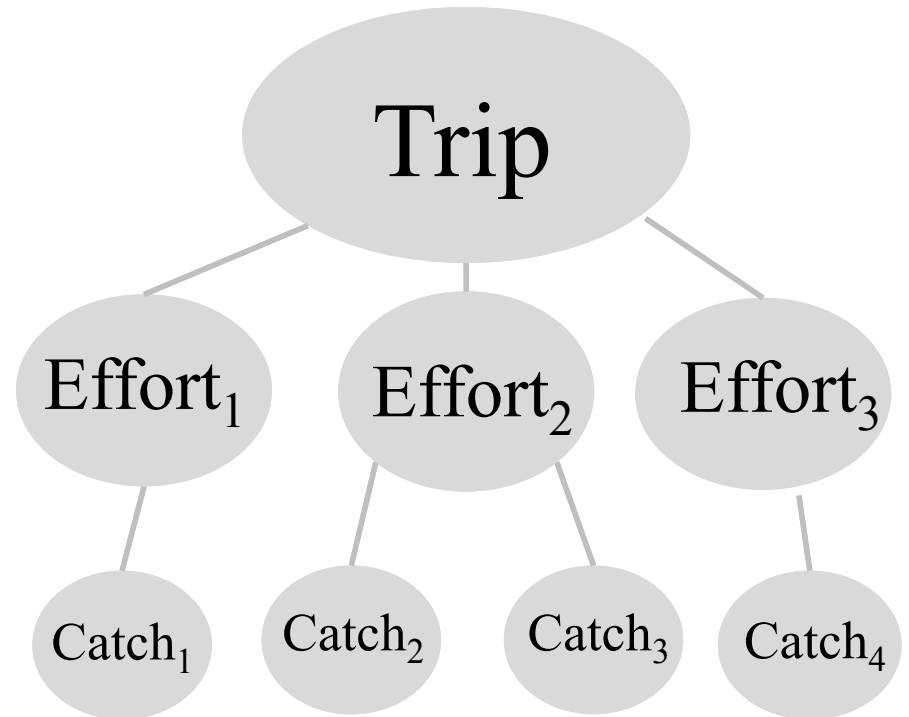
Trap Soak Time (hrs) Set Soak Time (hrs) Depth (yards) Total Hrs Fished SE VTR #: R18100001

Total Soak Time (hrs) Total Soak Time (hrs) Set Soak Time (hrs) Mesh: _____ Date Received: _____ NMFS use only

CATCH SECTION: Weight- Record POUNDS kept gutted or whole (DO NOT include fractions of pounds). Gear- Record gear used for MAJORITY of catch as T, L, GN, H, E, TR, B, S, P or O. (Do not use multiple gears). Area- Areas can be found on maps in logbook (page 5). Do not use state area codes. Depth- Record bottom depth where the MAJORITY of fish were caught in FEET.

Species Name	Code	Gutted-lbs	Whole-lbs	Gear	Area	Depth	Species Name	Code	Gutted-lbs	Whole-lbs	Gear	Area	Depth
Amberjack-Great	1812	#	#				P Jolthead	3312	#	#			
Amberjack-Lesser	1815	#	#				O Knobbied	3308	#	#			
Almaco	1810	#	#				R Red	3302	#	#			
Banded Rudder	1817	#	#				Y Whitebone	3306	#	#			
Creville	0870	#	#				S Blacknose	3485	#	#			
Cobia	0570	#	#				S Blacktip	3495	#	#			
Dolphin Fish	1050	#	#				S Bonnethead	3483	#	#			
Black	1422	#	#				H Bull	3497	#	#			
Gag	1423	#	#				A Dogfish, Smith	3511	#	#			
Warraw	4740	#	#				R Finetooth	3481	#	#			
Red	1416	#	#				K Lemon	3517	#	#			
Scamp	1424	#	#				S Sandbar	3513	#	#			
Snowy	1414	#	#				S Sharpnose, Atl	3518	#	#			
Yellowedge	1415	#	#				S Blackfin	3757	#	#			
Yellowfin	1426	#	#				S Lane	3751	#	#			
Hind, Red	1413	#	#				N Mangrove	3752	#	#			
Hind, Rock	1412	#	#				A Mutton	3753	#	#			
Hind, Speckled	1411	#	#				P Queen	3770	#	#			
Bluestriped	1444	#	#				R Red	3754	#	#			
French	1445	#	#				E Silk/Yelloweye	3758	#	#			
White	1441	#	#				S Vermilion	3755	#	#			
Margate	1442	#	#				S Yellowtail	3757	#	#			
Margate, Black	1443	#	#				Triggerfish, Gray	4561	#	#			
Grunts, Utc.	1440	#	#				Triggerfish, Ocean	4562	#	#			
Hogfish	1730	#	#				Triggerfish, Queen	4563	#	#			
King Mackerel	1940	#	#				Tilfish, Gray	4474	#	#			
Spanish Mackerel	3840	#	#				Tilfish, Golden	4470	#	#			
Wahoo	4710	#	#				Sea Trout, White	3455	#	#			
Black Sea Bass	3360	#	#				Lite Tunny	4553	#	#			
Bluefish	0230	#	#				Barracuda	0180	#	#			
Blue Runner	0270	#	#				Hake	1550	#	#			

New



More precise CPUE indices

Trip Level Reporting elements:

number, Trip type, trip activity, crew size,

Start date/time/port,

End date/time/port,



Economic survey elements

ELEMENT NAME

ELEMENT LONG DESCRIPTION

OWNER_ABOARD

Is the vessel owner on board?

TRIP_FEE

Total trip fees

NBR_PAYING_PASSENGERS

Number of paying passengers

FUEL_GAS_GALLONS

Gallons of gasoline fuel used on this trip.

FUEL_GAS_GALLON_PRICE

Price paid for gasoline fuel used on this trip (as price per gallon).

FUEL_DIESEL_GALLONS

Gallons of diesel fuel used on this trip.

FUEL_DIESEL_GALLON_PRICE

Price paid for diesel fuel used on this trip (as price per gallon).

COST_BAIT

The cost of bait purchased for this trip.

COST_ICE

The cost of ice purchased for this trip.

COST_FOOD

The cost of food/groceries purchased for this trip.

COST_LIGHT

The cost of light sticks purchased for this trip.

COST_MISC

The cost of other trip-related purchases for this trip.

COST_IFQ

The cost of IFQ allocation purchased specifically for this trip, if applicable.

REVENUE_TOTAL

Actual or estimated total revenue generated by this trip (seafood sales).

Actual or estimated total payment to HIRED crew and HIRED captain on this trip, if applicable.

PAY_TO_CAPT_CREW

Percent of revenue to the captain

PAY_PERCENT_TO_CAPT

Percent of revenue to the crew

PAY_PERCENT_TO_CREW

Set/Effort Level Reporting NEW elements:

Target Species

Bait used and bait type: No, Live, Dead, or Artificial, and Species

Set start/end, Haul start/end for select gears. Date, Time, and Location

Number of pieces of apparatus for Cast Nets, Spears, and Harpoons

Length of Gangion for Bottom Longlines

J or Circle hook size and for coastal Hook & Line

Number of lightsticks (not mandatory) for Bottom Longline

Catch Level Reporting elements:

Hail amount /set.

This is a different definition than what fishers are used to reporting.
Previously weight /trip.

Offload date/time/port.

Dealer name and Federal ID number.

Disposition: Users are instructed to log every catch, whether it was sold, discarded, seized, or kept for personal use



SEFSC Pelagic Observer Program

Exceptions to set-based reporting

Commercial Hook (Hand Line fishing) and Cast Net does not fall naturally into a well-defined set. These gears should adhere to a sub-trip definition as outlined in technical specifications, to be published by SEFSC



Error Reduction

Lists of valid entries. Example: species

62 Paper logbook vs. 900+ eLogbook

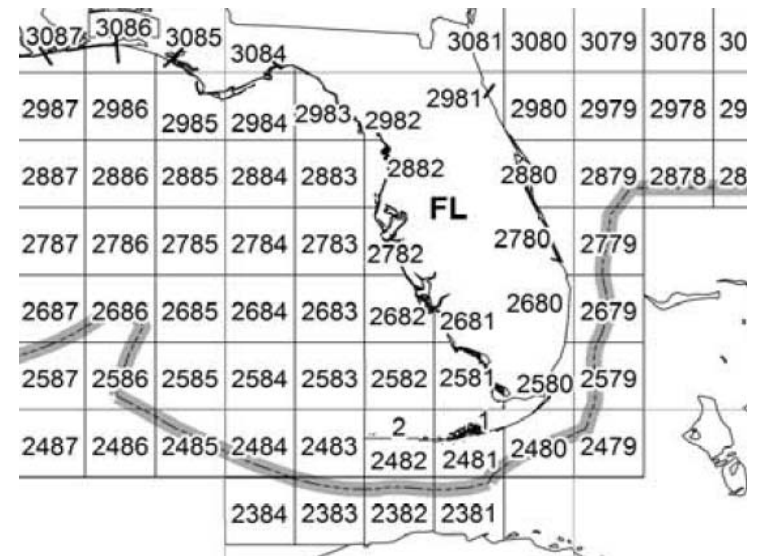
Wahoo	4710	#	#				Sea Trout, White	3455	#	#			
Black Sea Bass	3360	#	#				Little Tunny	4653	#	#			
Bluefish	0230	#	#				Barracuda	0180	#	#			
Blue Runner	0270	#	#				Hake	1550	#	#			

Also, lists of valid ports as maintained/updated by ACCSP

Higher Precision for Location

Multiple spatio-temporal points per trip and per set

HMS will go from Degrees/Minutes to Decimal Degrees



Vendors are strongly encouraged to produce software that captures this via internal clocks and GPS on devices with these capabilities (example: smartphones or on-board GPS).

Reporting frequency

Users will be required to submit a report for every trip, prior to offloading catch

No Fishing reports remain monthly, at current requirement, 7 days after the end of the month.

A positive fishing trip will supersede a monthly No Fishing report if both are submitted.

All electronic forms will be linked to fisher compliance and, provided forms are free of error, fishers will be given credit for their submission.



Vessel Reporting Status

Enter a Vessel Id below to find out the status of your reporting requirements.

A delay of two (2) to Three (3) weeks may exist between the submission of your report and seeing it on this webpage.

Enter Vessel Id:

Legend:

- "N" - Incomplete reporting requirements. This may include:
1.) No reports received 2.) Trip reports received with errors (i.e. Sendbacks) 3.) Missing trip reports
- "Y" - Completed reporting requirements
- "N/A" - No reporting requirements

Fisheries Electronic Reporting

SEFSC is currently using the FER application to accept monthly No Fishing reports.

Compliance is granted instantaneously.

Current eTrips Mobile (ACCSP) is working to incorporate our standards for No Fishing Reporting.



HMS considerations

VMS: Vessel Monitoring System data collection tools will remain a requirement on certain HMS vessels.

IBQ: Vessels with Individual Bluefin Quota have performance based criteria attached to their IBQ amounts, including timely logbook reporting. Currently use the “date received”, which would likely need to be altered to use “date submitted”, for example.



More HMS considerations

Weigh Outs:

Currently fishers are required to submit estimates or a “receipt” of individual weights for swordfish, tunas, etc. There is the question of shifting this required submission to dealers instead. In short term, fishers would still need to mail in the weight outs.

Action Guide

- Updates from SEFSC for DECEMBER 2020 meeting
- Once SEFSC database infrastructure can accept electronic commercial logbooks, and we begin voluntary submissions, then Council(s) can begin drafting resolution(s)



Questions?