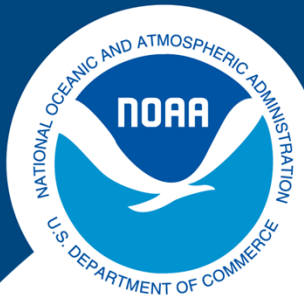


Tab F, No. 4



NOAA
FISHERIES
SEFSC

SEFSC Commercial Electronic Logbook Project

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

August, 2020

Outline

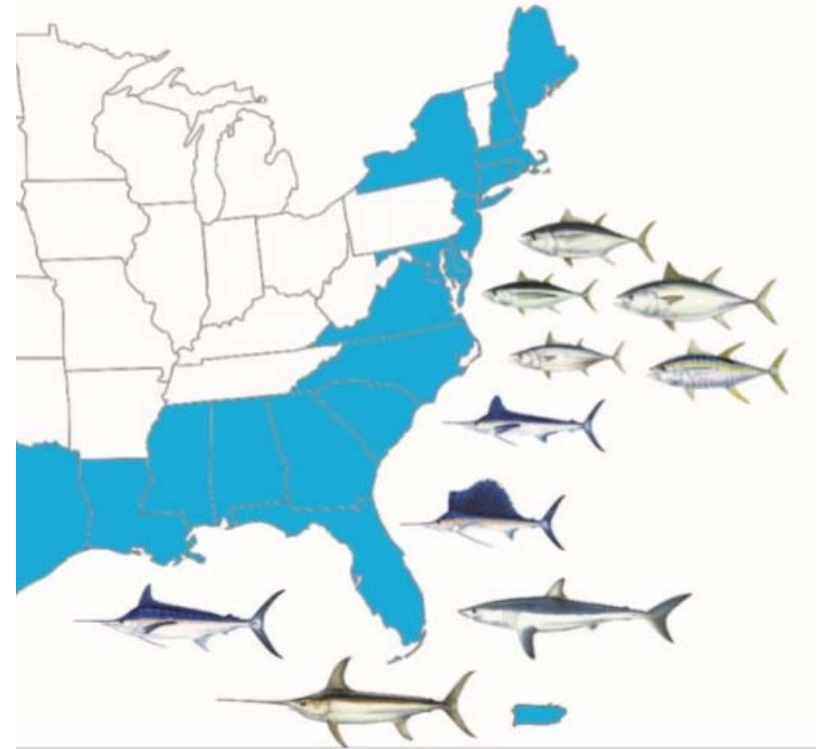
Requested:

- The number and type of commercial permits impacted by the new program in the Gulf
- A list of approved software and hardware requirements for the program
- Frequency of reporting to achieve program goals
- A list of required reporting elements
- Additional details for the program such as current differences between the paper logbooks and new electronic reporting program.

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 must submit commercial logbooks to SEFSC



Number and Type of Permits in the Gulf:

As of 2018, 749 unique vessels have one or a combination of the following: Gillnet for King Mackerel (GN), King Mackerel (KM), Gulf Reef Fish (RR), Reef Fish Longline (RRLE), Shark Directed (SKD), Shark Incidental (SKI), and Spanish Mackerel (SM), which requires a Coastal Logbook when fishing in Gulf waters.

As of 2018, 335 unique vessels have one or a combination of the following: Atlantic Tuna Longline (ATL), Swordfish Directed (SFD), Swordfish Incidental (SFI), Shark Directed (SKD), and Shark Incidental (SKI) permits requiring a Pelagic Longline Logbook when fishing in Atlantic or Gulf waters



Permits with Logbook Reporting Requirements to SEFSC 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

Software Requirements:

- SEFSC does not build or maintain logbook software.
- Potential vendors are responsible for software that satisfies our Standards.
 - SEFSC approval process will be the same for Gulf and Atlantic
- 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 Application Programming Interface (API)
- Currently working with ACCSP to modify eTrips to accommodate variables requested for voluntary electronic reporting application.



Available to Interested 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

Vendor Provided Support

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

Multiple hardware options



Transition to eLogbook:

eLogbook will allow us to better capture specific fishing behaviors

Reduce entry errors

More timely submission

New gear/descriptions



Reporting Frequency:

Users will be required to complete 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.

Overview of Reporting Elements:

- Header Elements – These are provided by the software. Not input by the user. Examples: Software version, transmission date.
- Trip Elements – All other elements are input by the user.
 - Economic Survey elements
 - Trip description
- Set/Effort Level Elements – Gear Parameters
- Catch Level Elements – Species, weight, disposition and sale of all catches (kept or discarded)

Changes: Set-Based Reporting

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

Coastal commercial fishers have been reporting on one page 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!

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: _____

Operator Name: _____ Days at Sea: _____ No. of Crew: _____ SE Federal Dealer Number: _____

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) ☐ Gill Net (GN) ☐ Dredge ☐ Hook ☐ (H) ☐ (E) ☐ (TR) ☐ (B) ☐ Divers ☐ (S) ☐ (P) Other Gear (O) ☐

Trap Hauls: # Sets _____ # Lines _____ # Hooks per Line _____ Total Hrs Fished _____

Trap Used: # Hooks per Line _____ Length (yards) _____ # Hooks per Line _____ Total Hrs Fished _____

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

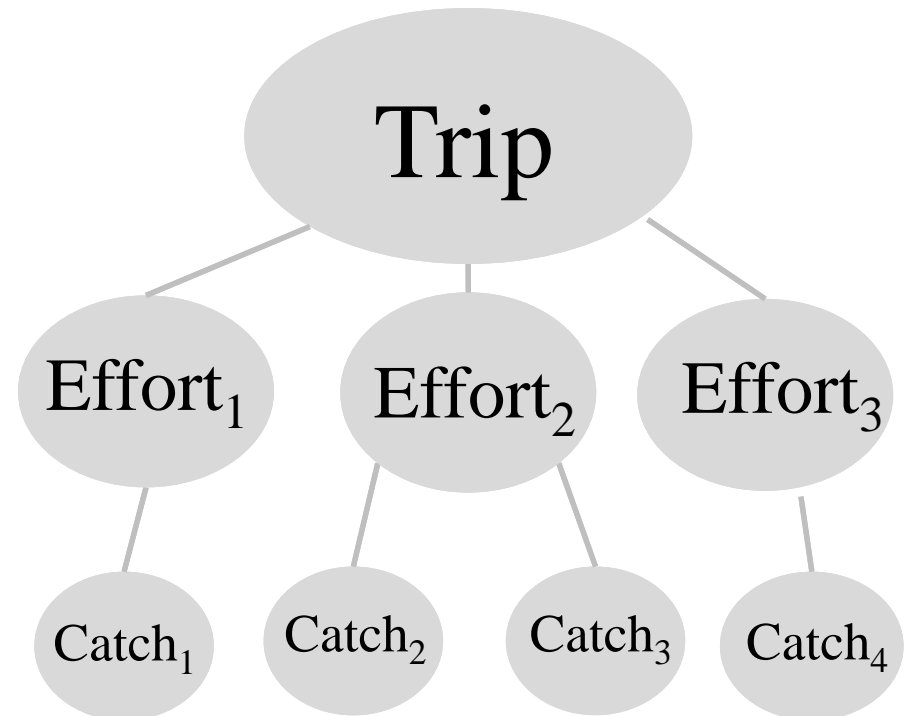
Total Soak Time (hrs) _____ Total Soak Time (hrs) _____ Set Soak Time (hrs) _____ Date Received: _____

Mesh: _____ Length (miles) _____ Mesh: _____ 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-Record area where the MAJORITY of fish were caught in FEET. 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 Snapper	1817	#	#				Y Whitebone	3306	#	#			
Crevalle	0870	#	#				S Blacknose	3485	#	#			
Cobia	0570	#	#				S Blacktip	3485	#	#			
Dolphin Fish	1050	#	#				S Bonnethead	3483	#	#			
Black	1422	#	#				H Bull	3487	#	#			
Gag	1423	#	#				A Dogfish, Smith	3511	#	#			
Wahoo	4740	#	#				R Finetooth	3481	#	#			
Red	1416	#	#				K Lemon	3517	#	#			
Scamp	1424	#	#				S Sandbar	3513	#	#			
Snowy	1414	#	#				S Sharpnose, A	3518	#	#			
Yellowedge	1415	#	#				S Blackfin	3757	#	#			
Yellowfin	1426	#	#				S Lane	3751	#	#			
Hind, Red	1413	#	#				N Mangrove	3752	#	#			
Hind, Rock	1412	#	#				P Mutton	3753	#	#			
Hind, Speckled	1411	#	#				P Queen	3770	#	#			
Bluestriped	1444	#	#				E Red	3764	#	#			
French	1445	#	#				R Silky/Yelloweye	3758	#	#			
White	1441	#	#				V Vermilion	3755	#	#			
Margate	1442	#	#				Y Yellowtail	3757	#	#			
Margate, Black	1443	#	#				Triggerfish, Gray	4561	#	#			
Grouper, Unc.	1440	#	#				Triggerfish, Ocean	4562	#	#			
Hogfish	1790	#	#				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	#	#				Little Tunny	4553	#	#			
Bluefish	0230	#	#				Barracuda	0180	#	#			
Blue Runner	0270	#	#				Hake	1550	#	#			

New



More precise CPUE indices



NOAA FISHERIES

New Trip Level Reporting elements:

- Trip 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	
PAY_PERCENT_TO_CAPT	Percent of revenue to the captain
PAY_PERCENT_TO_CREW	Percent of revenue to the crew

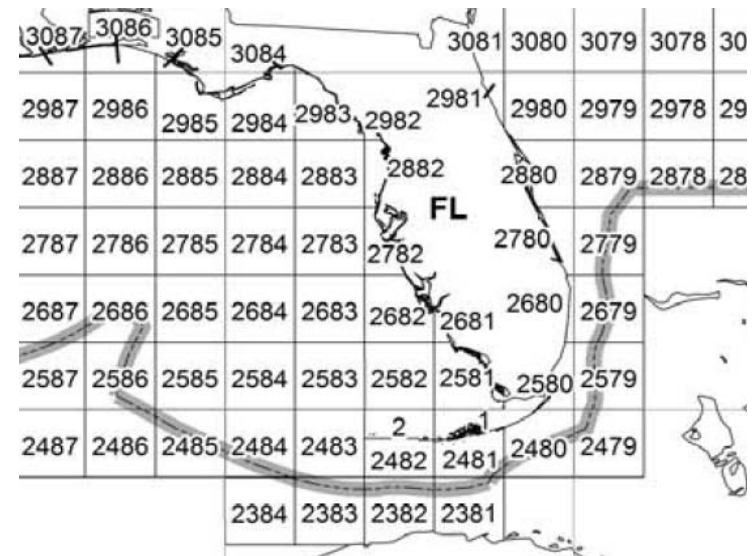
Set/Effort Level Reporting NEW Elements:

- Target Species
- Bait used and bait type
- Set start/end, Haul start/end for select gears.
- Date, Time, and Location
- Number of gear used 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

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).

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

For HL and CN: An event begins when gear is placed in the water. Event ends when there is a significant stoppage of fishing effort or new gear is deployed. At least one event must be recorded every 24 hours, if actively fishing. Fisher will be asked to estimate active fishing time within the logged set.



Catch Level Reporting elements:

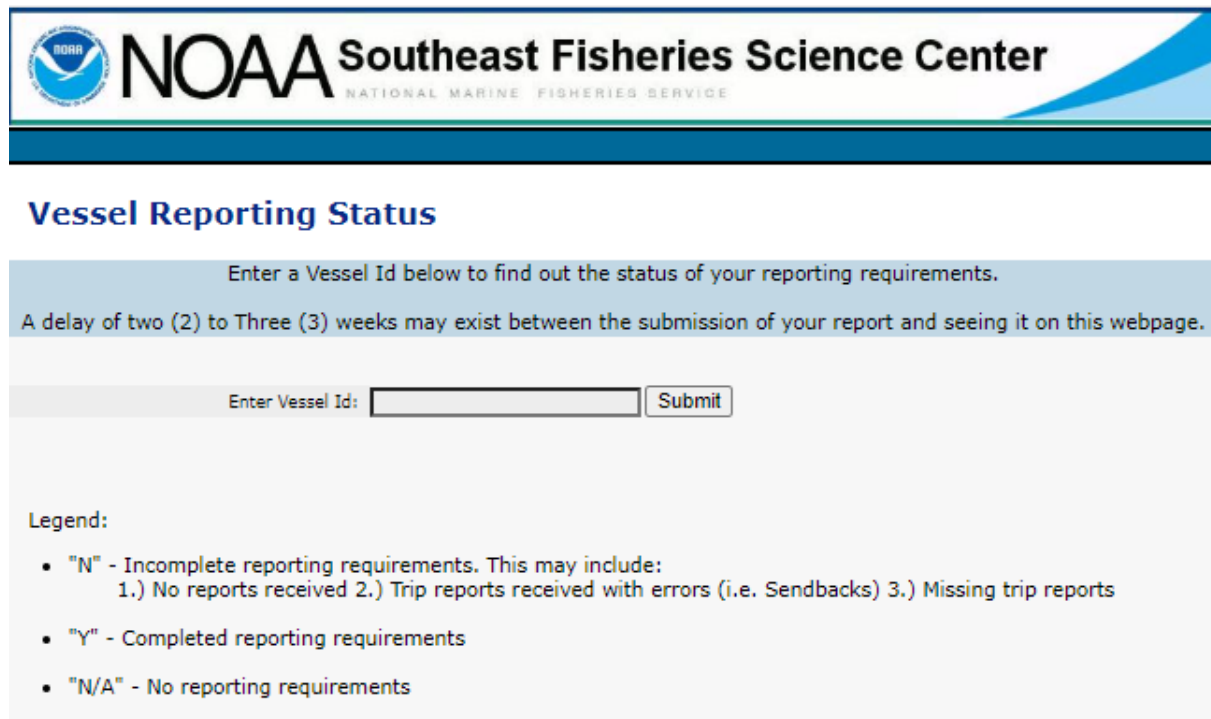
- Hail amount /set.
 - This is a different definition than what fishers are used to reporting. Previously weight /trip.
- Offload date/time/port.
- Dealer name and Federal ID number.
- Disposition: Users are instructed to log every catch, whether it was sold, discarded, seized, or kept for personal use



SEFSC Pelagic Observer Program

Additional Details:

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



The screenshot shows the NOAA Southeast Fisheries Science Center website. At the top is the NOAA logo and the text "NOAA Southeast Fisheries Science Center" with "NATIONAL MARINE FISHERIES SERVICE" in smaller text below. The main heading is "Vessel Reporting Status". Below this is a light blue box containing the text: "Enter a Vessel Id below to find out the status of your reporting requirements." and "A delay of two (2) to Three (3) weeks may exist between the submission of your report and seeing it on this webpage." Below the light blue box is a form with the label "Enter Vessel Id:" followed by a text input field and a "Submit" button. Below the form is a "Legend:" section with a bulleted list:

- "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.

The image shows a login interface for the Southeast Fisheries Reporting Center. The background is a composite of underwater scenes: a shark on the left and coral on the right. A central white box contains the login form. At the top of this box is a blue anchor icon and the text 'Southeast Fisheries Reporting Center' in green. Below this, there are two input fields: 'Username' with the text 'JULIE.E.BROWN@NOAA.GOV' and 'Password'. A blue 'Login' button is positioned at the bottom right of the form.

Southeast Fisheries Reporting Center

Username
JULIE.E.BROWN@NOAA.GOV

Password

Login

Action Guide

- Updates from SEFSC for DECEMBER 2020 meeting
- Once database infrastructure can accept electronic commercial logbooks, SEFSC will begin voluntary submissions, until mandatory requirements are developed by HMS and the councils.



Questions?



NOAA FISHERIES

Additional slides



Appendix A Permits with SEFSC reporting requirements:

State	ADW	ATL	GN	GTFE	KM	RR	RRLE	SFD	SFH	SG1	SG2	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	1	2	2
FL	1400	89	16	17	917	599	57	71	50	320	78	17	89	97	1305
GA	19				11	1				8			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		107	11	4	19	6	279
NJ	43	23			7			15	2		1	8	14	17	21
NY	29	9			3	1		8	2	1		1	5	7	7
OH															
PA	2	1						1					1		
PR	2														1
RI	14								9					2	
SC	79	4		4	19	1		4		42			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					2			1	2	9
VI	1														
WI															
WV	1				1	1							1		1
Grand Total	2133	220	16	22	1262	738	58	161	71	481	90	58	188	216	1770
based in Gulf States	1450	118	16	17	1013	733	58	93	51	320	78	24	113	128	1390

Appendix B 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



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, pending discussions with AHMSD.

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

