SEFSC Commercial Electronic Logbook Project

Fishery Monitoring Branch
Southeast Fisheries Science Center
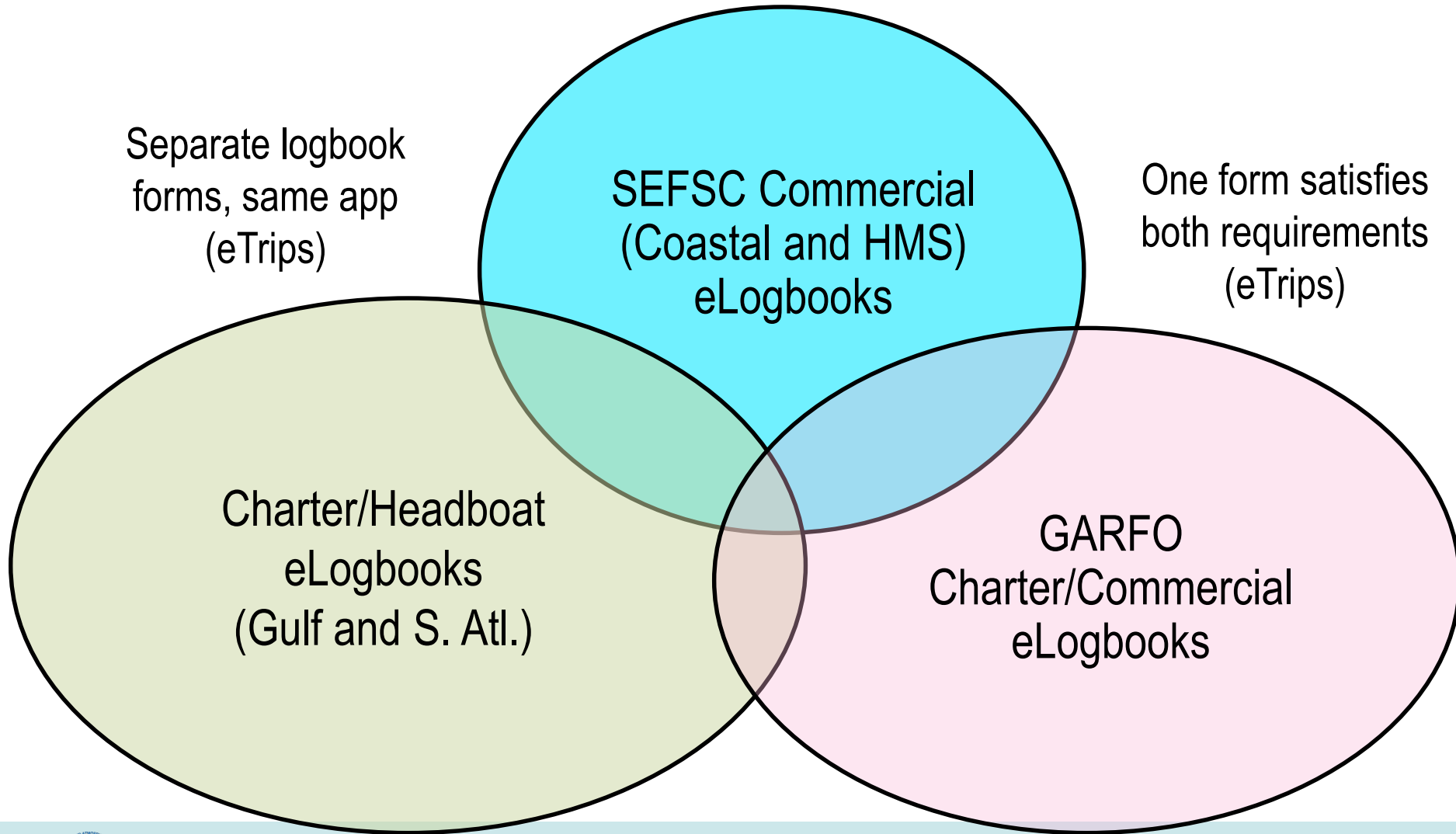
December 2022

Purpose

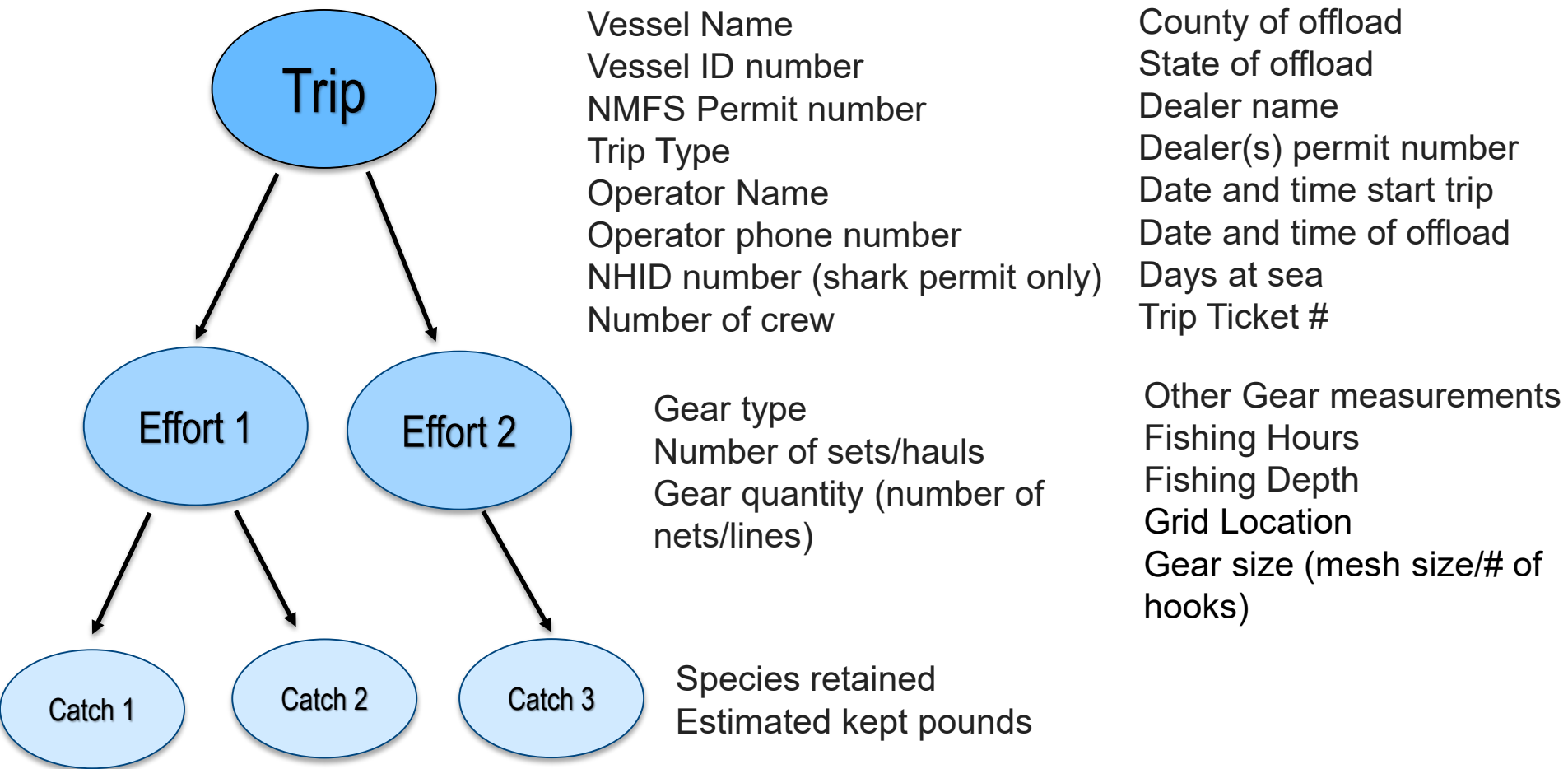Provide practical, real-time demonstration of eTrips app

Detail changes involved in transition to eLogbook

Discuss improvements to reporting through switch from paper logbooks

Must consider the need to accommodate/streamline users participating in multiple Regions


Separate logbook forms, same app (eTrips)

One form satisfies both requirements (eTrips)

SEFSC Commercial (Coastal and HMS) eLogbooks

Charter/Headboat eLogbooks (Gulf and S. Atl.)

GARFO Charter/Commercial eLogbooks

NOAA FISHERIES

Paper SEFSC Logbook Trip Reports for all species caught on federally permitted vessels

Trip

Vessel Name
Vessel ID number
NMFS Permit number
Trip Type
Operator Name
Operator phone number
NHID number (shark permit only)
Number of crew

County of offload
State of offload
Dealer name
Dealer(s) permit number
Date and time start trip
Date and time of offload
Days at sea
Trip Ticket #

Effort 1   Effort 2

Gear type
Number of sets/hauls
Gear quantity (number of nets/lines)

Other Gear measurements
Fishing Hours
Fishing Depth
Grid Location
Gear size (mesh size/# of hooks)

Catch 1   Catch 2   Catch 3

Species retained
Estimated kept pounds

Effort information required is highly variable depending on the gear and permit. HMS permits must report Lats and Longs for every set, but SE permits report total time fished for the trip.

Electronic Logbook users will have the ability to log multiple fishing events and offload/sale events. *It does not passively collect location information.

Portion (20%) of fleet asked to report discards and economic survey questions for each trip:
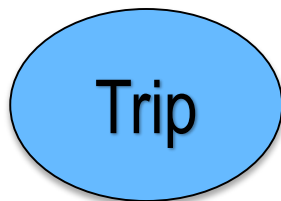
Trip

Supplemental Economic Questions:

Owner Aboard?
Gallons of Fuel Used
Price of Fuel
Price of Bait
Cost of Food

Cost of Miscellaneous
Cost of IFQ
Total Revenue for Trip
Total Payment for Crew

Supplemental Discard Questions:

Species Discarded
Number of Fish
Estimated Weight
Discard Condition
Discard Reason

Gear
Area
Depth
Corresponding Coastal VTR#

SEFSC Commercial Logbooks
- Coastal (South Atl. and Gulf)

SEFSC Commercial Surveys
- Discards
- Economic

No Fishing Reports

SEFSC eLogbook

Comparison of eTrips to paper logbook fields

Paper coastal logbook data fields	Database field name	Notes
	Red = A field was removed	
Vessel No.	COAST_GUARD_NBR	
Trip Start Date	TRIP_START_DATE	
	TRIP_START_TIME	Necessary to prevent overlapping trip submissions
County of Landing	END_PORT	
	TRIP_END_DATE	Necessary to prevent overlapping trip submissions
	TRIP_END_TIME	Necessary to prevent overlapping trip submissions
	TRIP_TYPE	Necessary to trigger correct questions
No. of Crew	NBR_OF_CREW	
Days at Sea	DAYS_AT_SEA	
Operator Name	LAST_NAME	
Operator Name	FIRST_NAME	
Signature		
Operator Number		
Phone No.		
	ACTIVITY_TYPE	Defaults to "Trip with fishing effort"; Necessary to trigger correct questions
	TRIP_NOTES	**Optional, Not transmitted to NMFS**

NOAA FISHERIES

Comparison of eTrips to paper logbook fields, cont.

22	Area	Waters Fished	
23	Gear	GEAR_CODE	
24	Mesh	MESH_SIZE	
25	# Hooks / # Divers / # Traps / Net Length	GEAR_QUANTITY	
26	# Hauls / Line Length / # Pots	GEAR_SIZE	
27	# Lines / # Hauls	GEAR_SETS	
28	Depth	MAX_BOTTOM_DEPTH	
29	Net Depth	HEIGHT_OF_NET	
31	Total Hrs Fished	FISHING_HOURS	
32		HOURS_DAYS	Defaults to "hours"; Added data field to be compatible with ACCSP database
33	Species Name	COMMON_NAME	
34	Gutted-lbs / Whole-lbs	REPORTED_QUANTITY	
35		UNIT_MEASURE	Defaults to "pounds"; Added data field to be compatible with ACCSP database
36		DISPOSITION_CAT_DESC	Defaults to "Food"; Replaces the need for separate Discard Logbook
37		SALE_DISPOSITION_DESC	Defaults to "Sold to Dealer"; Added data field to be compatible with ACCSP d
38	County or Parish, State	OFFLOAD_PORT	
39	Trip Unload Date	OFFLOAD_DATE	
40	SE Federal Dealer Number	DEALER_PERMIT_ID	
42	State Trip Ticket No.		

	Economic survey data fields (mandatory if sele	Database field name (note: cells high M
43		
44	Owner Operated?	OWNER_ABOARD
45	Gallons of Fuel	FUEL_GALLONS
46	Price per Gallon	FUEL_GALLONS_PRICE
47	Bait Expense	COST_BAIT
48	Ice Expense	COST_ICE
49	Grocery Expense	COST_FOOD
50	Misc. Trip Expenses	COST_MISC
51	IFQ Allocation Purchased	COST_IFQ
52	Has payment for your catch been determined?	
53	Trip Sales (Revenue)	REVENUE_TOTAL
54	Expense for hired crew & hired captain	PAY_TO_CAPT_CREW

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Catch Disposition

DISCARD 🔍

Discard due to Market : Reason not specified

Discard due to Market : Too small

Discard due to Market : Too large

Discarded Dead : Under size limit

Discarded Dead : Over size limit

Discarded Dead : Legal size and exceeded bag limit

CANCEL

22	Area
23	Gear
24	Mesh
25	# Hooks / # Divers / #
26	# Hauls / Line Length
27	# Lines / # Hauls
28	Depth
29	Net Depth
30	
31	Total Hrs Fished
32	
33	Species Name
34	Gutted-lbs / Whole-lb
35	
36	
37	
38	County or Parish, Stat
39	Trip Unload Date
40	SE Federal Dealer Nun
41	
42	State Trip Ticket No.

AMBER JACK

Aligning Coastal requirement with HMS and other logbook programs

Defaults to "hours"; Added data field to be compatible with ACCSP database

Defaults to "pounds"; Added data field to be compatible with ACCSP database
Defaults to "Food"; Replaces the need for separate Discard Logbook
Defaults to "Sold to Dealer"; Added data field to be compatible with ACCSP d

Aligning Coastal requirement with HMS and other logbook programs

datory if sele	Database field name (note: cells high N
	OWNER_ABOARD
	FUEL_GALLONS
	FUEL_GALLONS_PRICE
	COST_BAIT
	COST_ICE
	COST_FOOD
	COST_MISC
	COST_IFQ
determined?	
	REVENUE_TOTAL
54 Expense for hired crew & hired captain	PAY_TO_CAPT_CREW

eTrips Favorites Feature

Most information in eTrips will be entered or selected from a drop down list. Favorites can be set up for most drop down lists

Select Category

- Species
- Areas Fished
- Ports
- Gears
- Dispositions
- Vessels
- Dealers
- Licenses

CANCEL

☰ ← Select Favorites

Category
Species ⌄

Permit
(NMFS-SER)
DUMMY_SEFSC_OPR
(Operator) ⌄

GROUPER 🔍 ⟳

⭐ GROUPER, NASSAU

⭐ GROUPER, RED

⭐ GROUPER, SCAMP

GROUPER, SNOWY

GROUPER, TIGER

eTrips runs on:

- Cellphone – wifi or cell service
- Tablet – wifi or cell service
- Laptop computer – wifi or internet
- Desktop computer – wifi or internet

* Reporters may choose whichever option best suits their needs
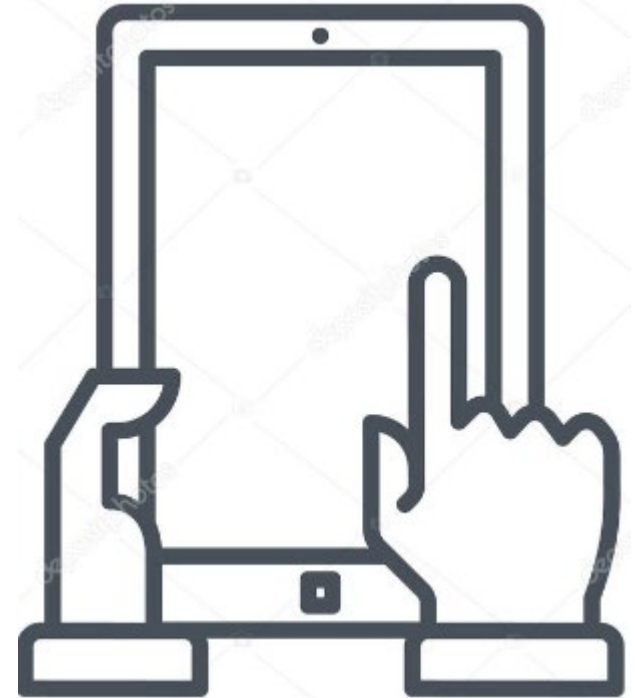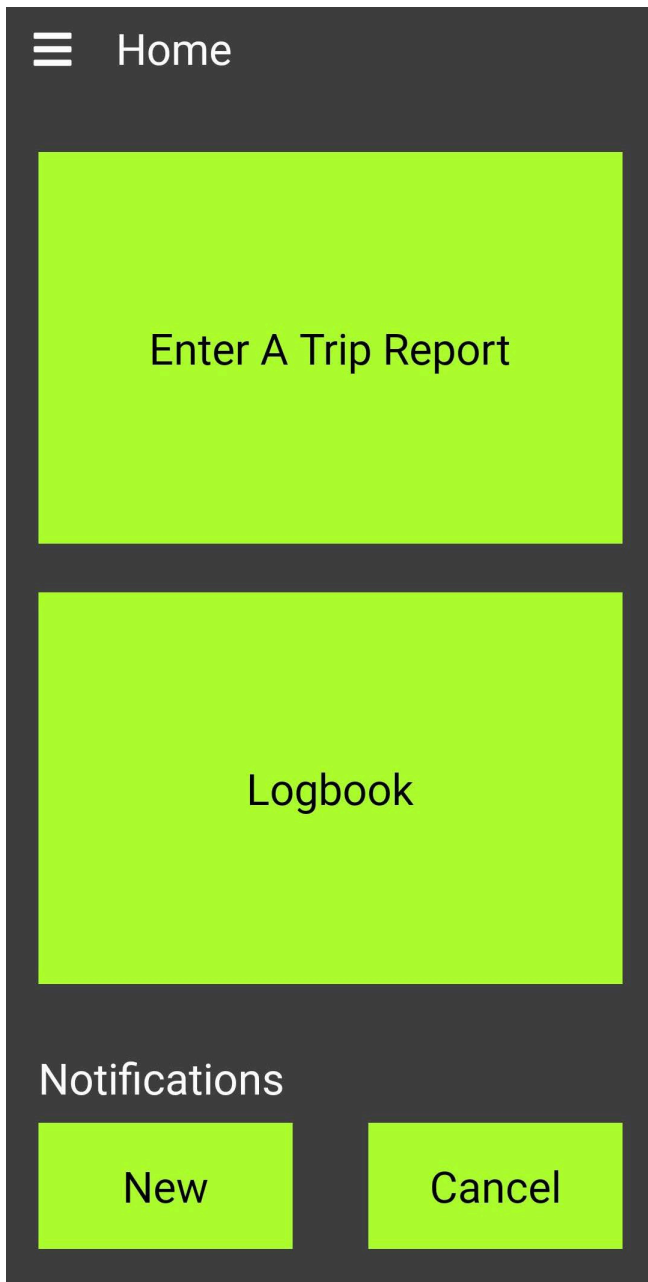
eTrips App demonstration: Real-time data entry of a trip report

2020 SE COASTAL FISHERIES TRIP REP

Signature:

Vessel Name:

Vessel No.:

Operator Name:
please print

Operator Number:
(if known)

Trip Details

Trip Type   Commercial

Vessel   NMFSS TEST BOAT

Trip Name   Give your trip a name

VTR #   99999922092314

Trip Activity
Fishing Trip With Efforts ⌄

Captain's Last Name
Last name of the captain on this trip.

DOE

Captain's First Name
First name of the captain on this trip.

JANE

Trip Type

Commercial

Charter

Headboat

Recreational

Vessel

Search... 🔍

Many vessels have similar names. NOAA requests you search by the vessel's Coast Guard or State registration number to ensure you select your vessel.

NMFSS TEST BOAT

State Reg

Coast Guard   999999

Fed Permit   NMFS-SER 999999

DUAL-PERMIT FED TEST VESSEL

State Reg

Coast Guard   8877991

Fed Permit   NMFS-NER 555555,
NMFS-SER 555555

CANCEL

NOAA FISHERIES

only !
9

OMB Control No. 0848-0016
Expiration Date: 12/31/2020

Schedule No.   *NMFS Use Only*

County or Parish: _____   State:

Days at Sea: No. of Crew:

End Port

Search...

FL > MIAMI-DADE > DADE (COUNTY)

FL > MIAMI-DADE > MIAMI

FL > MONROE > KEY WEST

FL > MONROE > MONROE(COUNTY)

FL > PINELLAS > PINELLAS (COUNTY)

CANCEL

≡   ←   Create New Trip

Trip Details

Days at Sea
Number of whole days that have passed from the start of the trip to the return to the dock

3

of Crew
Number of crew (including the captain) on each trip

2

Trip Expense Section
NOTE: This section is only mandatory if you received separate notification that your vessel was selected to report economic data this calendar year.

NO. YOU CAN LEAVE THE QUESTIONS BELOW BLANK.

Create New Trip

Effort Details

Location
28° 31', -85° 13'

Primary Area Fished
Federal Waters

Waters Fished
FL 008 - 0000

Effort Location

007

008

798 (2785)

006

798 (2685)   798 (2684)

005

28° 31', -85° 13'

CANC

Create New Trip

Effort Details

Gear Type
ELECTRIC/HYDRAULIC,
BANDIT REELS

Maximum Bottom Depth
Deepest bottom depth where fishing occurred, in feet.

110

Comments
Comments or uncoded data

	Species Name	Code	Gutted-lbs	Whole-lbs	Gear	Area	Depth
P	Jolthead	3312	#	#			
O	Knobbed	3308	#	#			
R	Red	3302	#	#			
G	Whitebone	3306	#	#			
Y			#	#			

Trip Start Date

Fri 9/23/2022

‹ Sep 2022 ›

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	**23**	24
25	26	27	28	29	30	

CANCEL   OK

Trip Start Time

6:00 AM

HOUR   ● MINUTES   AM   PM

00
55   05
50   10
45   15
40   20
35   25
30

CANCEL   OK

☰ ← Create New Trip

Start Your Trip

Trip Start Date
Sat 9/17/2022 ⌄

Trip Start Time
6:00 AM ⌄

Trip End Date
Tue 9/20/2022 ⌄

Trip End Time
6:30 PM ⌄

Effort Length
◉ Hours

Hours fished in effort

‹   ›

Effort Details

Gear Type
ELECTRIC/HYDRAULIC, BANDIT REELS

Gear Quantity
# of Hooks per Line

2

Gear Sets
# of lines

3

Maximum Bottom Depth
Deepest bottom depth where fishing occurred, in feet.

110

	Species Name	Code	Gutted-lbs	Whole-lbs	Gear	Area	Depth
P	Jolthead	3312	#	#			
O	Knobbed	3308	#	#			
R	Red	3302	#	#			
G							
Y	Whitebone	3306	#	#			

GEAR SECTION: See Instructions on Page 2. Che

Traps (T) ☐ Fish ☐ Other		Longline(L) ☐ PLL ☐ Bottom ☐ Other		Gill Net ☐ Drift ☐ Anchor (GN) ☐ Strike ☐ Other	
Total # Trap Hauls		# Sets		# Sets	
# Traps Used		# Hooks per Line		Length (yards)	
Trap Soak Time (hrs)		Set Soak Time (hrs)		Depth (yards)	
Total Soak Time (hrs)		Total Soak Time (hrs)		Set Soak Time (hrs)	
Mesh: ☐ x ☐ / ☐ x		Length (miles)		Mesh:	

Hook & Line	☐ (H) Hand	☐ (E) Bandit	☐ (TR) Trolling	☐ (B) Buoy	Divers ☐ (S) Spear	☐ (P) Power	Other Gear (O)	
# Lines					# of Divers		Type	
# Hooks per Line					Total Hrs Fished		Total Hrs Fished	
Total Hrs Fished					SE VTR #:	R20100001		

NOAA FISHERIES

Effort 1 (ELECTRIC/HYDRAULIC, BANDIT REELS)

NEW | SUMMARY

Search...

- DOLPHINFISH
- GROUPER, RED
- MACKEREL, KING
- MACKEREL, SPANISH
- PORGY, JOLTHEAD
- PORGY, KNOBBED

+ CATCH | EFFORT | OFFLOADS | ⋮

25° 45', -80° 15' @12:30 PM (5 meters) | Commercial

GROUPER, RED

Quantity: **223**

Unit Of Measure: **Pounds**

Catch Disposition: **General : Food**

Catch Source: **Standard**

Market / Grade: **UNCLASSIFIED / UNGRADED**

Offload: Add to an existing Offload...

+ NEW

Species Name	Code	Gutted-lbs	Whole-lbs		Species Name	Code	Gutted-lbs	Whole-lbs
Amberjack-Great	1812	#	#	P	Jolthead	3312	#	#
Amberjack-Lesser	1815	#	#	O	Knobbed	3308	#	#
Almaco	1810	#	#	R	Red	3302	#	#
Banded Rudder	1817	#	#	G Y	Whitebone	3306	#	#
Crevalle	0870	#	#		Blacknose	3485	#	#
Cobia	0570	#	#		Blacktip	3495	#	#
Dolphin Fish	1050	#	#		Bonnethead	3483	#	#
Black	1422	#	#	S H	Bull	3497	#	#
Gag	1423	#	#	A	Dogfish, Smth	3511	#	#
Warsaw	4740	#	#	R	Finetooth	3481	#	#
G R O U P E R	Red	1416	#	#	K	Lemon	3517	#	#
Scamp	1424	#	#		Sandbar	3513	#	#
Snowy	1414	#	#		Sharpnose, Atl	3518	#	#
Yellowedge	1415	#	#		Blackfin	3757	#	#
Yellowfin	1426	#	#	S	Lane	3761	#	#
Hind, Red	1413	#	#	N	Mangrove	3762	#	#
Hind, Rock	1412	#	#	A	Mutton	3763	#	#
Hind, Speckled	1411	#	#	P	Queen	3770	#	#
Bluestriped	1444	#	#	P E	Red	3764	#	#
French	1445	#	#	R	Silk/Yelloweye	3758	#	#
White	1441	#	#		Vermillion	3765	#	#
Margate	1442	#	#		Yellowtail	3767	#	#
Margate, Black	1443	#	#		Triggerfish, Gray	4561	#	#
Grunts, Unc.	1440	#	#		Triggerfish, Ocean	4562	#	#
Hogfish	1790	#	#		Triggerfish,Queen	4563	#	#
King Mackerel	1940	#	#		Tilefish, Gray	4474	#	#
Spanish Mackerel	3840	#	#		Tilefish, Golden	4470	#	#
Wahoo	4710	#	#		Sea Trout, White	3455	#	#
Black Sea Bass	3360	#	#		Little Tunny	4653	#	#
Bluefish	0230	#	#		Barracuda	0180	#	#
Blue Runner	0270	#	#		Hake	1550	#	#

NOAA FISHERIES

CATCHES

DETAILS

SELECT ALL ✓

7 Pounds
AMBERJACK, LESSER
(UNCLASSIFIED /
UNGRADED)

✓ EDIT

223 Pounds
GROUPER, RED
(UNCLASSIFIED /
UNGRADED)

✓ EDIT

14 Pounds
SNAPPER, GRAY
(UNCLASSIFIED /
UNGRADED)

✓ EDIT

Dealer

Search... 🔍

❌ Clear Value

CASABLANCA FISH
MARKET

Name
Permit   654
Issuing Agency   NMFS -
                Southeast
                Region

FISH MAFIA INC

Name
Permit
Issuing

CATCHES

DETAILS

Sales Disposition
Sold To Dealer ⌄

OFFLOAD PORT
OFFLOAD PORT FOR CATCH

FL > PINELLAS > PINELLAS (COUNTY) ⌄

Offload Date
Offload Date

09-20-2022 ⌄

Dealer License
Dealer Permit - if SOLD TO DEALER

FISH MAFIA INC ⌄

☰ ← Trip Reports

Trip starting at 9/17/2022 6:00
AM

✓ Commercial
Sat 9/17/2022

NMFSS TEST BOAT

✓ I certify that the vessel trip information I
am providing is true, complete and correct
to the best of my knowledge, and made in
good faith. Making a false statement is
punishable by law (18 U.S.C. 1001).

TAP TO AGREE.

SUBMIT

Dealer
Name:

SE Federal
Dealer Number:
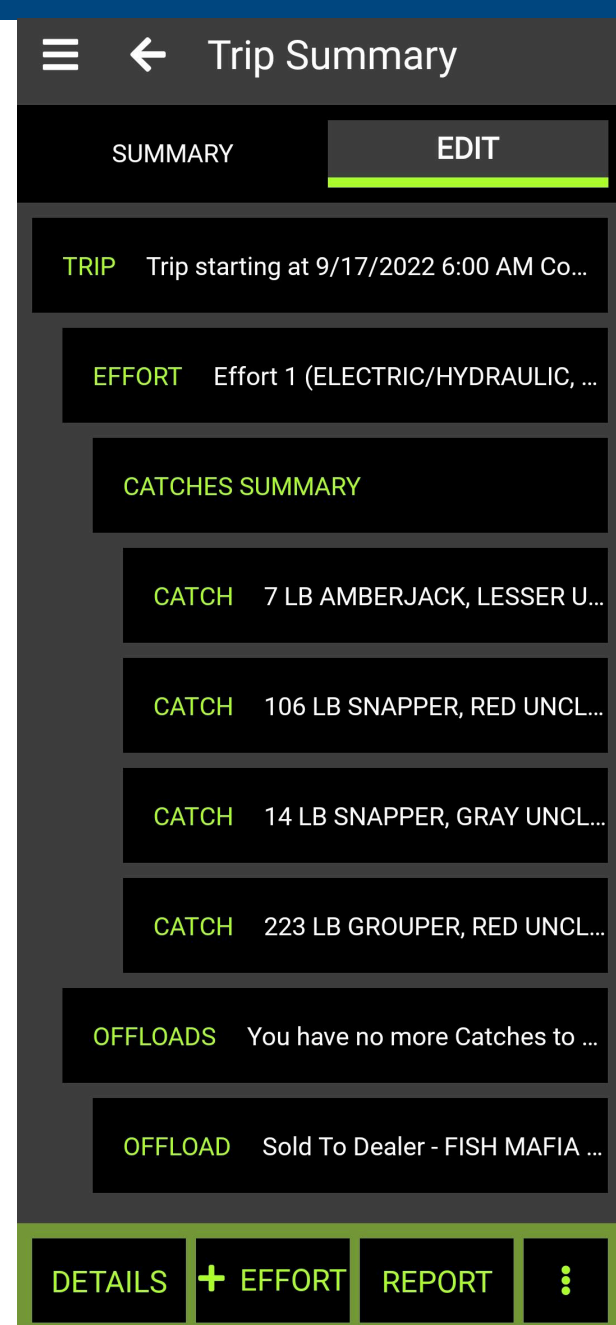
State Trip
Ticket No.:

Check box if landings sold to multiple dealers: ☐ Yes

Editing a trip

- Easily add additional efforts, catches, and offloads

- View trip summary before submitting

- Go back to previous pages to make changes

Summary

- eTrips successfully being used by other partners

- Minimal data fields added to increase accuracy and reduce errors that would require send back

- Drop-down menus and favorites lists allow for quick and accurate data entry

- Built-in validations reduce data errors and omissions

- Logbooks received more quickly, eliminates need for manual data entry

- No need for separate discard logbook

Questions?