



NOAA
FISHERIES

Atlantic Highly
Migratory Species
Management
Division

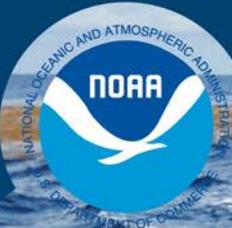
Atlantic Highly Migratory Species Recreational Fishing Update

Atlantic HMS Spring Advisory Panel Meeting

April 4, 2014

Update on Recreational Fishing Summit

- Recreational Fishing Action Agendas released March 5th

 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

**NOAA
FISHERIES**

2014 Recreational
Saltwater
Fishing
S U M M I T

April 1-2, 2014
Westin Hotel | Alexandria, VA

*An ongoing conversation about improving
the science, service, and stewardship of
America's saltwater recreational resources.*

HMS Recreational Economic Studies

Charter/Headboat Cost-Earnings Logbook Study

HMS Private Angler Expenditure Survey

HMS Charter/Headboat Cost-Earnings Study

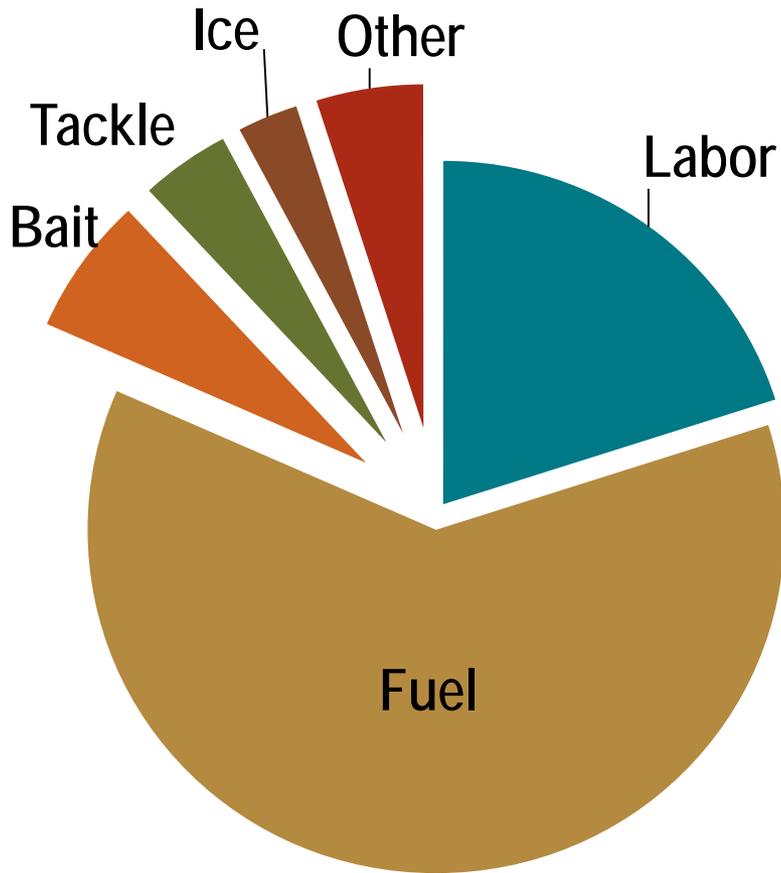
- Conducted logbook study of HMS CHB permit holders from July – November 2013
- Received trip forms on 536 trips targeting HMS
- Majority (79%) from Southeast Region (NC – TX)

Region	Frequency	Percent
South Atlantic (NC – FL)	297	55.4
Gulf of Mexico (FL – TX)	126	23.5
Northeast (ME – VA)	113	21.1

HMS Charter/Headboat Cost-Earnings Study

Variable	Northeast	S. Atlantic	Gulf of Mex.
Trip Length (h)	12	8	8
Anglers per party	7	5	8
Target species (%)			
Yellowfin Tuna	63	44	40
Sharks	30	30	61
Bluefin Tuna	29	3	0
Marlin	14	40	25
Sailfish	0	56	13

Average HMS Charter Trip Costs



Total Cost Breakdown

Category	Average (\$)
Total Fare	\$2,062
Total Costs	\$1,251
Fuel	\$770
Labor*	\$251
Bait	\$81
Tackle	\$52
Ice	\$35
Other	\$62

* Labor = Crew + Captain (if not owner)

HMS Recreational Fishing Expenditure Survey

- Mail survey conducted in 2011 of HMS Angling permit holders from Maine to North Carolina
- Survey collected expenditure data on HMS anglers' most recent HMS trip and durable goods in last 12 months
- Total trip expenditures estimated by expanding averages by number of total directed HMS private boat trips
- Total durable expenditures estimated by expanding averages by number of HMS permit holders

HMS Recreational Fishing Expenditure Survey

HMS Angling Trip and Durable Expenditures (ME to NC)*

	Durables	Tuna Trips	Billfish Trips	Shark Trips
Sample Size	2,025	1,046	95	107
Avg. Expenditure	\$13,532	\$540	\$1,151	\$566
Directed Boat Trips		27,648	5,123	6,669
HMS Angling Permits	14,206			
Total Expenditures	\$192.2 mil	\$14.9 mil	\$5.9 mil	\$3.8 mil

* Average Expenditures: Durables = average over previous 12 months; Trips = average per trip

HMS Recreational Fishing Expenditure Survey

- Expenditures (ME to NC) used to estimate total economic impact and employment
- Total Output = gross value of sales by businesses within the economic region
- Value added = labor income and profits supported by recreational fishing expenditures
- Labor income = personal and proprietor's income

HMS Recreational Fishing Expenditure Survey

Economic Impact of HMS Durable & Trip Expenditures (ME to NC)

	Durables	Tuna Trips	Billfish Trips	Shark Trips
Total expenditures	\$192.2 mil	\$14.9 mil	\$5.9 mil	\$3.8 mil
Total output	\$324.4 mil	\$20.5 mil	\$7.8 mil	\$5.4 mil
Value added	\$177.2 mil	\$11.8 mil	\$4.6 mil	\$3.0 mil
Labor income	\$116.6 mil	\$7.1 mil	\$2.7 mil	\$1.8 mil
Employment	2,191	142	52	41

Expenditures represent estimates for private HMS boat trips only, and do not represent for-hire or tournament trips for HMS.

MRIP Projects Update

Large Pelagics Survey Estimation & Design

Puerto Rico Telephone Survey Pilot

Other New and Noteworthy

Large Pelagics Survey Project – in progress

- Develop design-based weighted estimation approach
 - Appropriate representation of tournament trip data
 - Adjustment factors (weights) based on trip return time
 - Exploring special estimation methods for extremely rare event species
- Assessing private access undercoverage bias
 - Preliminary assessment from phone survey data
 - Increase phone survey sample sizes in 2014
 - Add questions to phone survey in 2014

Large Pelagics Survey Project – revised timeline

Description	Status / Planned End Date
Organize project team	Completed
Kickoff workshop	Completed
Estimation methodology review	In progress
Survey design review	In progress
Report on LPS estimation methodology	Late 2014
Re-estimation of LPS time series	Early 2015
Final report with LPS estimation and design recommendations	Mid 2015

Puerto Rico HMS 2011 Phone Survey Pilot

- Bi-weekly survey Angling & Charter/headboat permits
- High response rates: Private 82% ; Charter 72%
- Precise estimates on blue marlin total catch, directed effort, and tournament catch/effort
- For rare / memorable species, phone survey catch data should be considered as supplement to dockside surveys
- Phone survey reported blue marlin landings suggest very low compliance rate with mandatory reporting requirement
- Final report this summer

Other New and Noteworthy

- Sharks added to HMS catch card programs
 - MD 2013 - 69 sharks reported
 - 68% of LPIS sampled sharks matched to MD catch card
 - Added to NC program in 2014
- Bluefin tuna biological sampling
 - NC DMF sampling 2014
 - NH-VA year-round coverage (as needed)