



NOAA
FISHERIES

Atlantic HMS

Atlantic HMS Recreational Economic Surveys

HMS Tournament Survey

HMS Trip Expenditure Survey

September 6, 2017

HMS Tournament Study

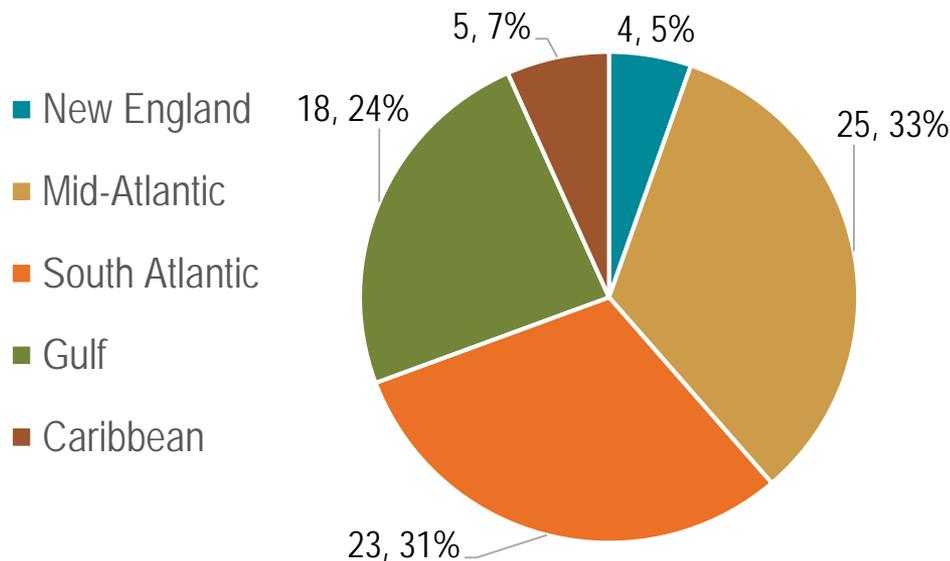
- Goal: Quantify the economic activity and impacts of HMS tournament operations and participants in 2016
- Operator survey sent to 219 NMFS-registered Atlantic HMS tournament operators in 2016
- Participant survey fliers sent to 94 tournaments



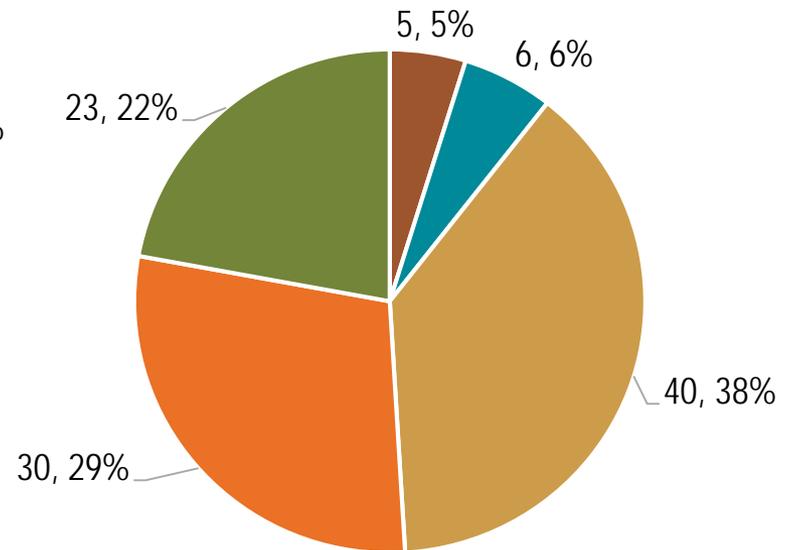
Photo by Dr. John Graves

HMS Tournament Responses by Region

75 Tournaments Returned
Operator Survey



29 Tournaments Returned
104 Participant Surveys



Top target species were blue marlin (61%), white marlin (60%), and yellowfin tuna (55%)

Analysis: Non-Response Comparison

- We used registration and reported landings data to compare tournaments that responded to those that did not
- Only shark tournaments were significantly more likely to report

| Variable | Non-Responding Tournaments | Responding Tournaments |
|-----------------------|----------------------------|------------------------|
| <i>Target Species</i> | <i>N = 134</i> | <i>N = 70</i> |
| Tuna | 75.4% | 70.0% |
| Billfish | 63.5% | 71.4% |
| Sharks | 28.4% | 44.3% |
| <i>Effort</i> | <i>N = 48</i> | <i>N = 32</i> |
| Vessels | 36.0 | 27.7 |
| Total Hours | 828 | 690 |

Operator Results – Descriptive Statistics

| | Mean | Median | Minimum | Maximum |
|-------------|------|--------|---------|---------|
| Days | 2.9 | 2 | 1 | 10 |
| Vessels | 43 | 26 | 1 | 308 |
| HMS Vessels | 33 | 24 | 1 | 308 |
| Anglers | 228 | 128 | 6 | 2,500 |

Seven tournaments were excluded from analysis:

- Incomplete or no expenditure data
- No HMS vessels participating



Operator Results – Average Costs & Earnings

- Cost and earning of tournaments varied widely
- Tournaments ranged from no-cost club events to massive events with significant costs

| | Mean | Median | Minimum | Maximum |
|-----------------|----------|----------|------------|-------------|
| Revenue | \$99,437 | \$22,350 | \$0 | \$5,264,700 |
| Prizes/Trophies | \$46,227 | \$5,568 | \$0 | \$3,924,284 |
| Operating Costs | \$30,542 | \$2,436 | \$0 | \$515,962 |
| Earnings | \$22,669 | \$14,346 | -\$103,000 | \$824,454 |
| Donations | \$29,416 | \$0 | \$0 | \$850,000 |

Participant Results – Team Expenditures

- Team expenses still highly variable but less than operator expenses

| | Mean | Median | Minimum | Maximum |
|---------------------|----------|----------|---------|-----------|
| Travel | \$3,945 | \$1,850 | \$0 | \$39,200 |
| Registration & Fees | \$11,600 | \$7,000 | \$0 | \$50,000 |
| Boat Fuel | \$2,878 | \$1,800 | \$0 | \$30,000 |
| Other Expenses | \$2,302 | \$800 | \$0 | \$20,500 |
| Total Expenses | \$20,176 | \$13,050 | \$710 | \$102,300 |

Analysis and Report Timeline

Fall 2017 – Estimate total expenditures and impacts

Fall/Winter 2017/2018 – Draft final report

Spring 2018 – Present final report to AP



Photo by Randy Blankinship

Comments and Questions

NOAA Fisheries
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