



NOAA
FISHERIES

DATA NEEDS FOR FOR-HIRE MODELS

Sabrina Lovell

Office of Science and Technology

Recreational Fisheries Data and Model Needs Workshop

7/26/2011

NMFS Regions Reporting on Data Needs

1. Alaska Fisheries Science Center and Regional Office (AK)
2. Atlantic Highly Migratory Species Division (AHMS)
3. Northeast Fisheries Science Center (NE)
4. Northwest Fisheries Science Center and Regional Office (NW)
5. Southwest Fisheries Science Center (SW)
6. South Atlantic (SE-SA)
7. Gulf of Mexico (SE-GOM)
8. Caribbean (SE-C)
9. Hawaii (PI-HI)
10. Guam (PI-G)
11. Commonwealth of the Northern Mariana Islands (PI-CNMI)

Vessel Related Data

- Catch
- Vessel characteristics
- Vessel IDs
- Owner demographics
- Data concerning whether the operator is an owner
- Owner IDs
- Crew demographics
- Crew IDs

Revenue and Cost Data

- For-hire fishing operations revenue
- Other revenue
- Variable costs
- Fixed costs
- Expenditure locations for variable costs
- Expenditure locations for fixed costs
- Variable input quantities
- Employment data

% of Fisheries Regions With Adequate Data (2000-2009)

- Vessel ID (78%)
- Catch and Owner ID (55%)
- Vessel characteristics (37%)
- Data on if operator is an owner (26%)
- Employment (15%)
- Variable cost, variable input quantities, fixed costs, revenue, owner demographics, crew ID (5%)
- Expenditure location data (fixed and variable), crew demographics (0%)

Top Data Priorities (# of Regions Reporting)

- Variable Costs (annual) – 6
- Fixed Costs (annual) – 6
- Variable Cost (trip) – 4
- Effort (trip) – 3
- Annual For-hire Revenue -3
- Spatial Catch and Effort - 3

Additional Priorities

- Determine feasibility of a mandatory reporting (AK, NE and SW)
- Determine types of data that can be successfully obtained from voluntary surveys (AK and SW)
- Get funding for better implementation of surveys (AK)
- In-person interviews conducted by trained interviewers (NW)
- Standardize recreational data collection methods across Pacific Coast States (SW)
- Collection of economic data with for-hire logbook/observer programs (SW)
- Overcome industry resistance (NW)

Obstacles

Industry opposition to mandatory econ reporting	3.9
Council opposition to mandatory econ reporting	3.8
Not enough FTEs	3.8
Center/Region reluctance to consider mandatory reporting w/o Council support	3.6
Inadequate funding	3.1
Low response rates for voluntary surveys	3
High cost of voluntary surveys	3
PRA/OMB approval process	2.8
Limited Center/Region recognition of the requirements for/usefulness of econ data	2.4
Collecting this data is not a high priority for our economics program	2.4
Inadequate knowledge of mandatory reporting program for other fisheries	2.3

Additional Obstacles

Cooperation with ongoing for-hire survey data collection by states