Data Needs for Angler Expenditures

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Recreational Fisheries Data and Model Needs Workshop

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Methods of Expenditure Data Collection

Different survey methods over the years

- Add on surveys to MRIP field intercepts
- Combination mail/phone and field interviews
- Telephone only surveys
- Mail only surveys
Angler Trip Expenditure Data

- Transportation (private, public, auto rental, airfare)
- Food (from grocery stores and restaurants)
- Lodging
- Boat fuel
- Boat and equipment rental
- Charter fees, tips, and catch processing
- Access and parking
- Bait
- Ice
- Tournament fees
- Gifts and souvenirs
Annual Durable Expenditure Data

- Tackle, rods and reels, other gear
- Camping equipment
- Clothing
- Binoculars
- Taxidermy
- Magazine subscriptions
- Club Dues
- License fees
- Boat purchases, boat accessories, and related expenses
- Vehicle purchases and related expenses
- Second home purchases and related expenses
NMFS Regions Reporting on Data Needs

- Alaska Fisheries Science Center and Regional Office (AK)
- Atlantic Highly Migratory Species Division (AHMS)
- Northeast Fisheries Science Center (NE)
- Southeast Fisheries Science Center and Regional Office (SE)
- Pacific Islands Fisheries Science Center and Regional Office (PI)
- Southwest Fisheries Science Center (SW)
- Northwest Fisheries Science Center and Regional Office (NW)
## Expenditure Data Available by Region (2000-2009)

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Priorities: Survey Methods

- Regular, systematic, more timely data collection (NE)
- Better survey design methods (e.g. wording of questions)
  - to increase response rates (AK)
  - to reduce the potential for recall and measurement bias in data (SW, AK)
- Increase response rates to reduce potential for non-response bias in results (AK)
- Increase sample sizes to ensure sufficient responses for precise estimates of expenditures in each mode, resident category, and target species (AK, AHMS and SW)
Priorities: Sampling

- Standardize data collection on West Coast across three state programs and by completing state of California’s efforts to have a comprehensive electronic angler license frame (SW)
- Include expenditure surveys of in-river salmon and steelhead anglers (SW)
- Include charter patrons (PI)
- Recreational fishing license program (PI)
- Sub-sample high expenditure anglers focusing on big game fish and tournaments (AHMS and PI)
Priorities: Analysis of Data

- Improve the information on location of expenditures within the larger states for use in region-specific impact models (AK, NW)
- Work with economic impact modelers to ensure expenditure categories are chosen in a way that lines up consistently with categories used by IMPLAN and other social accounting matrix categories to ensure good data inputs for impact models (AK)
- Improved web-based query access to expenditure data (NE, SE)
Obstacles

- Not enough full time staff for collecting durable economic expenditure data; reliance on national-level expenditure surveys (AK)

- The contracting process is a major obstacle (SW)

- Locational challenges due to the multiple islands, cultural differences in defining recreational fishing (PI)