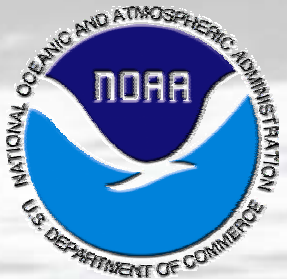


NOAA Fisheries Recreational Data Collection Programs



Overview

- **Briefly describe two ongoing data collection reporting systems**
- **Illustrate the types of data items collected**
 - **Biological and economic/social**
 - **The frequency of collection**
- **Strengths and limitations of the data sets**
- **Differences between the two reporting systems**

A person wearing a cap and waders is fishing in the ocean. The person is holding a fishing rod and is positioned in the foreground, slightly to the left. The background shows the ocean with waves and a cloudy sky. The overall image is in grayscale.

Two Ongoing Data Collection Systems

- **The Marine Recreational Fishing Statistics Survey (MRFSS)**
- **Mandatory logbook program for federally permitted party/charter vessels**
- **No federal saltwater fishing license program in NE**

The MRFSS



- **Two part surveying methodology**
- **Designed to provide independent estimates of catch, effort, and participation across strata**
 - **States**
 - **Two month waves**
 - **Fishing modes (shore, private/rental boat, or party/charter boat)**

Intercept Survey



- **Sampling strategy**
 - Random sample of trips
 - Three stage sampling
- **Data elements**
 - **Catch**
 - Numbers of fish (harvested and released)
 - Lengths of fish
 - Weights of fish harvested

Coastal Household Survey

- **Random sample of coastal households with telephones**
- **Allows for expansion of intercept data to population estimates**
- **Data elements**
 - **Effort and Participation**
- **Mean catch per trip X total number of trips = total catch**



Economic Add-ons

- **Have been conducted approximately every 4 to 5 years in NE**
 - **Last detailed study in NE in 1998**
- **Utilizes MRFSS sampling frame**
- **Three potential surveys**
 - **Intercept add-on**
 - **Telephone follow-up**
 - **Household add-on**

Types of Data Collected

A fisherman wearing a wetsuit and a hat is kneeling on a sandy beach. He is using a long-handled tool, possibly a gaff or a similar fishing implement, to handle a fish. Several other fish are lying on the sand in the foreground. The background shows the ocean waves.

- **Expenditure**
- **Demographic (including income)**
- **Participation**
- **Preferences**

Logbook Program

- **Federally permitted party/charter vessels**
- **Requires all p/c vessels that land federally permitted species in the EEZ to report trip activities**
 - **Time and date sailed/returned**
 - **Number of anglers**
 - **Number of crew**
 - **Statistical area fished**
 - **Number of kept and discarded fish by species**

Differences between Reporting Systems

- **MRFSS includes all forms of p/c activity**
- **Logbook represents a census of p/c vessels with federal permits**
- **Logbook coverage of federally permitted species is more comprehensive than MRFSS**
- **Logbook data entry errors (i.e., fish reported in pounds rather than numbers)**
- **Validation**
 - **No independent cross-check for logbooks**
 - **MRFSS now provides validation of party/charter estimates**