

Science, Service, Stewardship



Large Pelagics Survey Estimation & Design Project

HMS Advisory Panel Meeting
September 11, 2013

**NOAA
FISHERIES
SERVICE**

NOAA



LPS Workshop April 2013

- Identify management/assessment data needs and priorities
- LPS issue identification and prioritization
 - Mismatch between design and estimation method
 - Departures from probability based sampling
 - Private access trips
- Consider pros & cons of merging LPS with general survey



LPS Estimation Methodology Completed Tasks

- **Hired expert consultants**
- **Identified similarities/differences with MRFSS re-estimation**
- **Data preparation**
 - **Compiled time series datasets 2002-2012**
 - **Identified gaps and inconsistencies / cleaned data**
 - **Added base sampling “weights” to phone data**



LPS Estimation Methodology

Next Steps

- Determine initial scope: years/modes/states
- Develop design-based weighted estimation approach
 - produce models/programs
- MRIP certification of new method
- Apply new approach to historical data
- Compare estimates: “old” versus “new”
- Evaluate management/assessment implications
 - Consider calibration options



LPS Private Access Issue

- Collaborating with consultants from SMU
- Exploratory analysis of phone survey data.
- Considering additional data collection options
 - Additional intercept questions at fuel docks / tournaments
 - Phone survey follow-up questions
 - Panel study with private access anglers



Should the Large Pelagics Intercept Survey be merged with the general MRIP Intercept Survey?

- **Potential Advantages Include**
 - Efficiency gains: precision/cost
 - Eliminate need to combine LPS and MRIP data
 - Reduce reporting burden
 - Eliminate current survey overlap issues
- **Potential Disadvantages Include**
 - Significant differences between two surveys need to be reconciled
 - Effort survey components would still be different



LPS Project 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	Spring 2014
Final report with LPS estimation and design recommendations	Fall 2014

**NOAA
FISHERIES
SERVICE**



Homepage:

<http://www.st.nmfs.noaa.gov/recreational-fisheries/index>

MRIP Project plans, final reports and monthly reports:

<https://www.st.nmfs.noaa.gov/mdms/public/public.jsp>