

Proportional Standard Error and Management Uncertainty in Recreational Data Collection on the Atlantic Coast

FY 2012 Proposal

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1. Overview

1.1. Sponsor

Michael Cahall

1.2. Focus Group

Survey Design and Evaluation

1.3. Background

The current 'targets' of Proportional Standard Error (PSE) for Recreational Data Collection on the Atlantic and Gulf coasts are based in part on a single workshop conducted by the Atlantic States Marine Fisheries Commission in collaboration with the Virginia Polytechnic Institute in 1999. Later, Dr. Lisa Kline and Maury Osborne built on this work to derive a general target of $PSE = 20$ which has been the de facto standard ever since. Changes in fisheries management, dictated by both state and federal law, have required substantial changes in data collection, both commercial and recreational. Commercial collection has moved to a universal trip level standard. Recreational data collection is in the midst of a transformation moving from the MRFSS to MRIP. There are ongoing discussions on the best methods to use for data collection as well as appropriate targets in recreational fisheries. One of the missions of the Atlantic Coastal Cooperative Statistics Program (ACCSP) and the Gulf Fisheries Information Network (GulfFin) is to create and manage standards for data collection in commercial and recreational fisheries on the Atlantic and Gulf Coasts. Currently ACCSP is in the process of a substantial revision to these standards. The need for a more solid basis for PSE targets became apparent during this process.

1.4. Project Description

Recognized science and management experts will be asked to collaborate in a series of meetings, both teleconference and face to face, resulting in written recommendations for PSE standards.

1.5. Public Description

1.6. Objectives

This project proposes to attempt to establish standards for PSE in recreational data collection that are applicable to the various different management needs of state and federal stakeholders, and to extend the earlier discussion of management uncertainty.

1.7. References

2. Methodology

2.1. Methodology

Under the auspices of the Atlantic Coastal Cooperative Program (ACCSP), first a steering committee will be formed. This committee will determine the processes and methods to be used in achieving the goals of this project. A second group of between 5 and 7 technical experts will work with stock assessment and simulation models over the course of several months and present the results to the workshop as a whole in written format. The workshop, composed of between 20 to 25 experts and stakeholders will review the results of the technical group and create a final report which will include recommendations for acceptable levels of PSE and its incorporation into stock assessments. This document will be incorporated in the a Technical Source Document by the ACCSP and GulfFin and used as the basis for the recreational PSE standards currently under development.

2.2. Region

Gulf of Mexico, Mid-Atlantic, North Atlantic, South Atlantic

2.3. Geographic Coverage

Atlantic and Gulf Coasts (but results may be applicable elsewhere as well)

2.4. Temporal Coverage

May 21, 2012 to February 12, 2013

2.5. Frequency

2.6. Unit of Analysis

2.7. Collection Mode

3. Communication

3.1. Internal Communication

Regular conference calls/Webex of Steering Committee during planning phase. Regular conference calls/Webex with Technical Team during modeling phase. Routine updates to workshop participants during planning and modeling phase using Constant Contact.

3.2. External Communication

ACCSP will provide all documentation generated through its website to the general public. Results will be presented in poster or presentation form at appropriate venues (ex AFS).

4. Assumptions/Constraints

4.1. New Data Collection

N

4.2. Is funding needed for this project?

4.3. Funding Vehicle

MRIP, ACCSP

4.4. Data Resources

MRIP and ACCSP

4.5. Other Resources

4.6. Regulations

4.7. Other

5. Final Deliverables

5.1. Additional Reports

Reports of the Technical Working Group and Workshop, ACCSP TSD, ACCSP PSE Standard.

5.2. New Data Set(s)

5.3. New System(s)

6. Project Leadership

6.1. Project Leader and Members

First Name	Last Name	Title	Role	Organization	Email	Phone 1	Phone 2
Michael	Cahall	Director, ACCSP	Team Leader	ACCSP	mike.cahall@accsp.org	703-842-0780	
Geoff	White	Data Coordinator	Team Member	ACCSP	geoff.white@accsp.org	703-842-0780	

7. Project Estimates

7.1. Project Schedule

Task #	Schedule Description	Prerequisite	Schedule Start Date	Schedule Finish Date	Milestone
4	Results of Technical Committee Provided to Entire Workgroup	3	11/02/2012	11/02/2012	Y
7	Final Report Distribution	6	02/12/2013	02/12/2013	Y
1	Steering Committee Activities		05/21/2012	07/23/2012	
5	Workshop	2	12/11/2012	12/12/2012	
2	Project Plan - Generated by Steering Committee	1	07/23/2012	07/23/2012	Y
6	Final Report Preparation and Review	5	12/13/2012	02/11/2013	
3	Technical Committee Activities - Data modeling and methods	1	08/06/2012	11/02/2012	

7.2. Cost Estimates

Cost Name	Cost Description	Cost Amount	Date Needed
Travel and Meeting Expenses	Costs for a single face to face meeting of the technical committee and a three day workshop.	\$20000.00	07/02/2012
ASMFC Overhead@35%	Overhead rate	\$7000.00	07/02/2012
TOTAL COST		\$27000.00	

8. Risk

8.1. Project Risk

Risk Description	Risk Impact	Risk Probability	Risk Mitigation Approach
Inability to recruit steering committee	Severe - poor planning would result	Low	Extend an invitation to approx 20% more folks that you need.
Indeterminate outcome	Difficult to determine standards if consensus cannot be reached	Medium	Ensure that work is thorough and appropriate preparations are made prior to the workshop.

9. Supporting Documents