

Electronic Data Accessibility: Phase Two of Electronic Data Project

FY 2013 Proposal

Ed Hibschi
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1. Overview

1.1. Sponsor

Russell Porter

1.2. Focus Group

Survey Design and Evaluation

1.3. Background

Currently, a project is under way to pilot test angler intercept interview data collection through hand-held electronic devices (tablet, cell phone). Building on this effort, data managers have expressed a desire to be able to immediately access the data that is collected and engage in some instantaneous, pre-processing of the data as a first step in the process of calculating catch and effort estimates.

1.4. Project Description

Native data will be collected and saved to a central database through the electronic data collection devices. This project is designed to process and summarize the raw data to produce some preliminary reports to assist the fishery sampling managers in the day-to-day operations of the specific sampling protocol. Additionally, each day's collected data will be summarized and expanded to compute the single day effort and catch rate information contribution to the overall estimation process.

1.5. Public Description

1.6. Objectives

1. Efficiently manage and store the data that is collected through the newly established electronic data collection process, and make it instantly available to each state's data management team. 2. Run predetermined algorithms on the daily data to produce summary reports for fishery sampling managers and leading indicators of catch and effort information for use by fishery managers.

1.7. References

2. Methodology

2.1. Methodology

- Program processes to efficiently organize the data collected through handheld devices and output the data in a format conducive to loading into each state's central data repository. - Write algorithms to summarize data at the site/day level and expand for the day's total effort. This level of information will be summarized and stored at a level that will easily feed into each state's process for running monthly estimates.

2.2. Region

Pacific

2.3. Geographic Coverage

Oregon, California

2.4. Temporal Coverage

Ongoing

2.5. Frequency

Daily

2.6. Unit of Analysis

Site/Day

2.7. Collection Mode

Existing data collected through Electronic Data Collection for Angler Intercept Surveys project

3. Communication

3.1. Internal Communication

Email updates to immediate project team as needed, most likely twice a month.

3.2. External Communication

Monthly MRIP report updates via Collaboration tool. Final report to Operations team with recommendations for enhancing timeliness of data given the new technology.

4. Assumptions/Constraints

4.1. New Data Collection

N

4.2. Is funding needed for this project?

4.3. Funding Vehicle

RecFIN

4.4. Data Resources

This project will follow the successful completion of the Electronic Data Collection for Angler Intercept Surveys project.

4.5. Other Resources

4.6. Regulations

4.7. Other

5. Final Deliverables

5.1. Additional Reports

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
Ed	Hibsch	Data Analyst/Programmer	Team Leader	Pacific States Marine Fisheries Commission	ehibsch@psmfc.org	503-595-3109	

7. Project Estimates

7.1. Project Schedule

Task #	Schedule Description	Prerequisite	Schedule Start Date	Schedule Finish Date	Milestone
3	Build daily report portal to display sample counts and site/day estimates on	2	12/02/2013	01/17/2014	

Task #	Schedule Description	Prerequisite	Schedule Start Date	Schedule Finish Date	Milestone
	RecFIN website				
1	Build code in MS SQL to import the daily data feeds from Electronic Data Collection		09/16/2013	10/04/2013	
2	Programming algorithms in MS SQL to calculate estimates at the site/day level from the elec. data	1	10/07/2013	11/22/2013	

7.2. Cost Estimates

Cost Name	Cost Description	Cost Amount	Date Needed
Programming	Program processes to integrate with electronic data collection and state data systems	\$46100.00	08/30/2013
Statistical Consulting	Consultation with statistician on appropriate methodology	\$9600.00	09/02/2013
TOTAL COST		\$55700.00	

8. Risk

8.1. Project Risk

Risk Description	Risk Impact	Risk Probability	Risk Mitigation Approach
This project's success is completely contingent on successful completion of Electronic Data Collection project.	This project will not be necessary if data is not collected electronically.	Medium	Diligently address data issues during the implementation of the Electronic Data Collection project. Decisions on data storage and access will drive success for reporting the data in a timely manner.

9. Supporting Documents