# National-Level Recreational Fisheries Query

FY 2010 Proposal

Lauren Dolinger Few Created: 05/13/2015

## 1. Overview

1.1. Sponsor

Lauren Dolinger Few

#### 1.2. Focus Group

Information Management

#### 1.3. Background

The NMFS annual publication Fisheries of the United States (FUS) is a report on recreational and commercial fisheries with landings from the U.S. territorial seas, the U.S. Exclusive Economic Zone (EEZ), and on the high seas. In order to produce this report, the NMFS Fisheries Statistics Division annually collects and compiles the required recreational fishing statistics, in cooperation with various States and Interstate Fisheries Commissions. These data are tabulated and prepared for publication. Other than FUS, there is no source available that summarizes these data sources in one place. The FUS report is only updated annually, and may not provide a current picture of National recreational fisheries data. In their Review of Recreational Fisheries Survey Methods, the National Research Council (NRC) identified several responsibilities for NOAA Fisheries in the development of a national statistical program, including: "Maintenance of a central data warehouse for marine recreational fisheries and development of appropriate dissemination tools." The NRC suggested that, "a greater degree of coordination between federal, state and other survey programs is necessary.

#### **1.4. Project Description**

A National-level recreational fisheries query (hereafter referred to as "National Query") will be achieved through seamless integration with the existing Fisheries Information Networks in order to fully leverage the valuable work already being done at the state and regional levels and to ensure maximum inclusion of target data. The final product will be a publicly accessible website that provides tools for accessing and summarizing current National-level recreational fisheries data. The Information Management Team will collaborate with Fisheries Information System (FIS) project team members in order to incorporate the work and system functionality produced through FIS projects. Specifically, the National Query will be accomplished with the goal of being seamlessly incorporated into the Fisheries One Stop Shop (FOSS) once that system is available. The database for the National Query will be developed as a precursor to the recreational portion of FOSS. Regional Fisheries Information Networks will continue to warehouse regional data and respond to regional council, state and management needs. The National Query will provide the national perspective that was recommended by the NRC and a central warehouse for data access.FINAL DELIVERABLESThe final product will be a publicly accessible website that provides tools for accessing and summarizing National-level recreational fisheries data. These data will match those reported in FUS, but will be updated as revised data are made available. At a minimum, queries will be provided to mirror the following FUS tables: harvest by species, harvest by distance-from-shore and species group, harvest and releases by species group, totalharvest and releases by state, and number of anglers and trips by state. Additionally, the queries will be allow the user to subset states (or other attributes) of interest, unlike the static FUS tables. Results can be presented onscreen as tables, charts or graphs, or output as CSV for download. The tables and database links will be directly portable to the FOSS system, and will be utilized there when that system is functional (expected completion date of FOSS is ~2012). The technology used to develop the query will include a set of SAS Integration Technology services: metadata server, object spawner, and remote services. These servers/services are all administered using the SAS Management Console. A subordinate server, the stored process server is another critical component of the system. Using SAS for the infrastructure leverages the analytic and reporting powers of SAS to process and present the data. The SAS software will run on a dedicated Linux server using JBoss application server.

### **1.5. Public Description**

#### 1.6. Objectives

NA

#### 1.7. References

### 2. Methodology

#### 2.1. Methodology

#### 2.2. Region

Alaska, Caribbean, Gulf of Mexico, Mid-Atlantic, North Atlantic, Pacific, South Atlantic, Western Pacific Islands

### 2.3. Geographic Coverage

## 2.4. Temporal Coverage

## 2.5. Frequency

2.6. Unit of Analysis

## 2.7. Collection Mode

## 3. Communication

#### 3.1. Internal Communication

IMT meetings will be via telecon, and web/ex as necessary, on an as needed basis (roughly monthly). Communication between individuals outside of meetings to follow up on tasks will be primarily via email and phone. Materials will be posted to MRIP Collaboration Tool. Draft versions of National query will be accessible to team (mechanism TBD). Progress will be reported at least bi-annually to the IMT.

## **3.2. External Communication**

NA

## 4. Assumptions/Constraints

- **4.1. New Data Collection**
- 4.2. Is funding needed for this project?

# **4.3. Funding Vehicle**

### 4.4. Data Resources

- 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	Organizatio n	Email	Phone 1	Phone 2
Gregg	Bray	Gulf Coast data manager	Team Member	GSMFC			

First Name	Last Name	Title	Role	Organizatio n	Email	Phone 1	Phone 2
Lauren	Dolinger Few	IT Specialist	Team Leader	NMFS	Lauren.dolin ger.few@no aa.gov		
John	Foster	Technical Lead	Team Member	NMFS			
Gretchen	Jennings	Alaska data manager	Team Member	ADF&G			
Vicki	Swann	Texas data manager	Team Member	TPWD			
Wade	Van Buskirk	Consutlant for Pacific Coast data	Team Member	NMFS			

## 7. Project Estimates

## 7.1. Project Schedule

Task #	Schedule Description	Prerequisite	Schedule Start Date	Schedule Finish Date	Milestone
12	Load full time series to regional tables: Alaska data	2,8	08/15/2010	08/15/2010	
16	Load full time series to regional tables: Gulf Coast data	6	03/31/2010	03/31/2010	
7	Configure dblinks with partners: Texas data		03/31/2010	03/31/2010	
14	Load full time series to regional tables: Southeast Regional Headboat data	4,10	03/31/2010	12/31/2010	
2	Create/identify regional tables: Alaska data (via AKFIN)		05/15/2010	05/15/2010	
3	Create/identify regional tables: Pacific Coast data (via PSMFC)		05/15/2010	05/15/2010	
4	Create/identify regional tables: Southeast Regional Headboat data		05/15/2010	12/31/2010	
5	Create/identify regional tables: Atlantic Coast data		03/31/2010	03/31/2010	

Task #	Schedule Description	Prerequisite	Schedule Start Date	Schedule Finish Date	Milestone
6	Create/identify regional tables: Gulf Coast data		03/31/2010	03/31/2010	
8	Configure dblinks with partners: Alaska data		03/31/2010	03/31/2010	
9	Configure dblinks with partners: Pacific Coast data		04/28/2010	04/28/2010	
10	Configure dblinks with partners: Southeast Regional Headboat data		03/31/2010	12/31/2010	
11	Load full time series to regional tables: Texas data	1,7	05/15/2010	05/15/2010	
13	Load full time series to regional tables: Pacific Coast data	3,9	06/15/2010	09/15/2010	
15	Load full time series to regional tables: Atlantic Coast data	5	03/31/2010	03/31/2010	
16	Install SAS Integration Technologies		06/15/2010	06/15/2010	
17	Develop interface for National query: Using (in house) data		05/15/2010	09/15/2010	
18	Develop interface for National query: Incorporating dblink data thru 2009, match FUS		09/01/2010	10/31/2010	
19	Develop interface for National query: Incorporating Southeast Headboat data	14,18	09/01/2010	01/31/2011	
1	Create/identify regional tables: Texas data (via GSMFC)		03/31/2010	03/31/2010	

## 8. Risk

8.1. Project Risk

Risk Description	Risk Impact	Risk Probability	Risk Mitigation Approach
General: Lack of cooperation by stakeholders	Incomplete National view of data	Low	Communicationboth w/i team and w/ESC
Technical: Difficulties in establishing dblinks	Delayed deliverables	Low	Consult other resources for support (CIO, DBAs, etc)
Technical: Difficulties in programming interface	Delayed deliverables	Low	Provide support (either by other team members, or contractors) as needed
Staffing: Team members unable to dedicate enough time to project	Delayed deliverables	Low	Provide support, evaluate priorities
Technical: Difficulty in passing security analysis	Delayed deliverables	Low	Complete "application security worksheet"
General: Delay of deliverable	Loss of stakeholder interest	Low	Maintain communication with partners to maintain interest

## 9. Supporting Documents