

EVOSTC ANNUAL PROJECT REPORT

**All citations herein refer to the EVOSTC Procedures for the Preparation and Distribution of Reports ("Reporting Policy")*

As required by the Reporting Policy, recipients of funds from the *Exxon Valdez* Oil Spill Trustee Council must submit a semi-annual project report in the following format by **September 1** of each fiscal year for which project funding is received (with the exception of the final funding year in which a final report must be submitted). Please help ensure that continued support for your project will not be delayed by submitting your report by September 1.

Satisfactory review of this report is necessary for continuation of multi-year projects. Failure to submit this report by **September 1** of each year, or unsatisfactory review of a report, may result in withholding of additional project funds and may result in cancellation of the project or denial of funding for future projects. **PLEASE NOTE:** Significant changes in a project's objectives, methods, schedule, or budget require submittal of a new proposal that will be subject to the standard process of proposal submittal, technical review, and Trustee Council approval.

Project Number: 12120111C

Project Title: PWS Herring Program - Data Management

PI Names: Rob Bochenek

Time period covered: 02/01/12 - 02/01/13

Date of Report: 15 February 2013

Report prepared by: Rob Bochenek

Project website (if applicable):<http://data.aos.org/maps/pwsherring/>

Work Performed:

During the first year of the EVOS Herring Program Data Management project investigators have been focused on establishing protocols for data transfer, metadata requirements and initiating the data salvage effort. The AOOS ocean workspace has been rolled out to PIs and their user and group profiles have been created. Investigators have been meeting via webex periodically with Matt Jones and other NCEAS staff to coordinate activities. PIs have participated in several PI meetings and are coordinating activities between the Herring and LTM programs. In addition, several training seminars have been held via webinars and PIs are beginning to use the system to organize and consolidate their project level data. Software engineers at Axiom have also been working to support the workspace, resolving bugs and implementing new functionality in response to user feedback. The data salvage effort has begun with prioritization from Scott Pegau and engagement of the Cordova Alaska Department of Fish & Game.

Specifically, investigators have addressed the objectives of the original proposal in the following ways.

Objective 1: Provide data management oversight and services for EVOS IHRP project team data centric activities which include data structure optimization, metadata generation, and transfer of data between project teams.

- Deployed, configured and facilitated the use of a web based data management and scientific collaboration tool (AOOS Ocean Workspace) to support data submission, metadata generation and foster integration between PWS Herring Program Investigators.
- Collaboration and coordination with NCEAS staff on historical data salvage for data synthesis efforts. Establishment of EVOS Historic Data Salvage group in AOOS Ocean Workspace.
- Data transfer from PIs has initiated with review by data management staff.



Figure 1. Screenshot of PWS Herring Program Workspace group and interface.

Objective 2: Consolidate, standardize and provide access to study area data sets that are critical for retrospective analysis, synthesis and model development.

- Re-established data exchange relationship with ADF&G and created an ADF&G dedicated AOOS Ocean Workspace Group for the secure sharing of data with PWS Herring Program Investigators. New updated Herring Spawn data has been recently submitted by Steve Moffitt with other data sets to follow.
- Updated PWS Herring Portal by integrating it with the AOOS Ocean Portal Framework and deploying it to the AOOS website.
- Several baseline observational data sets and GIS resources have been consolidated and integrated into the AOOS data system to be exposed through the PWS Herring Portal.

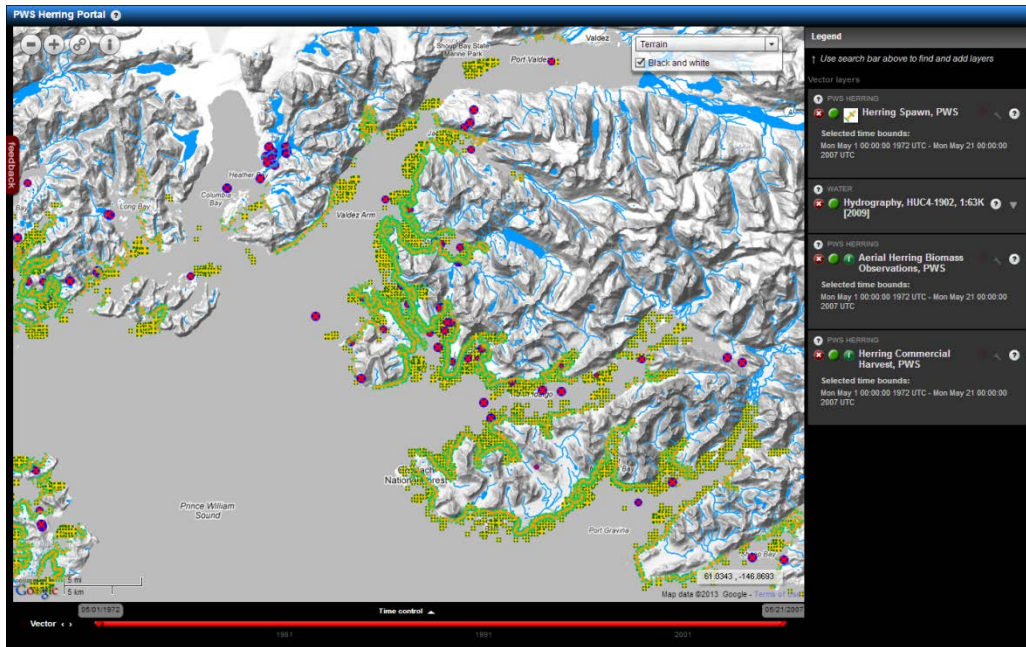


Figure 2. Herring Portal screenshot.

Objective 3: Integrate all data, metadata and information products produced from this effort into the AOS data management system for long term storage and public use.

- AOS has provisioned capacity and storage space for archiving all PWS Herring Program datasets and electronic materials.
- AOS is working to develop methods to publish and make publicly available datasets and metadata that have been staged in the AOS Ocean Workspace.

Future Work:

Investigators will continue work on the schedule outlined in the original proposal. Specifically, this will focus on facilitating the transfer, documentation and review of year 1 sampling activities, coordinating with NCEAS staff on the historical data salvage and upgrading the PWS Herring Portal with updated herring data sets from ADF&G Cordova.

Coordination/Collaboration:

This project is focused on providing a framework for cross disciplinary integration through the facilitated use of a web based data management tool (AOS Ocean Workspace). This platform will provide scientists and administrators increased transparency and improved access to PWS Herring Program data sets and other

contextual information. NCEAS has also used the workspace to stage data for their synthesis effort and data salvage activities.

Community Involvement/TEK & Resource Management Applications:

Several presentations were made to various community and research groups during the last year (CIRCAC, GOAIERP, and Arctic Eis) discussing the approach and results of this project.

Information Transfer:

No new data sets were produced from this effort but a large number of retrospective and historic datasets have been aggregated and staged on the AOOS Ocean Workspace in coordination with NCEAS. The ultimate goal being to increase information transfer between PWS Herring Program investigators to increase integration and support synthesis.

Budget:

No differences or problems with previous or out year budgets.

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
ANNUAL PROGRAM REPORT YEAR 1**

Budget Category:	Proposed Year 1	Actual Year 1	TOTAL Difference
Personnel	\$94,400	\$89,627	\$4,773
Travel			\$0
Contractual			\$0
Commodities			\$0
Equipment	\$3,900		\$3,900
Indirect Costs (<i>will vary by proposer</i>)	\$21,700	\$19,676	\$2,024
SUBTOTAL	\$120,000	\$109,303	\$10,697
General Administration (9% of subtotal)	\$10,800	\$9,837	\$963
PROJECT TOTAL	\$130,800	\$119,140	\$11,660
Other Resources (Cost Share Funds)	\$0	\$0	\$0

COMMENTS: This project is listed as a subcontract in Pegau. Spending shown here represents billing to PWSSC as of January 31, 2013.

FY12	Program Title: HRM Data Management Support Team Leader: Bochenek	SUMMARY
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*We appreciate your prompt submission of your report
and thank you for your participation.*