

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: 12120111-M

Project Title: PWS Herring Program - A High Temporal and Spatial Resolution Study to Validate the Separate Herring Condition Monitoring Program

PI Names: Thomas C. Kline, Jr., Ph. D., Ron Heintz, Ph. D.

Time period covered: 2012

Date of Report: 15 February 2013

Report prepared by: Dr. Tom Kline

Project website (if applicable): <http://www.pwssc.org/herringsurvey/>

Work Performed: Summarize work performed during the reporting period, including any results available to date and their relationship to the original project objectives. Explain deviations from the original project objectives, procedural or statistical methods, study area or schedule. Also describe any known problems or unusual developments, and whether and how they have been or can be overcome. Include any other significant information pertinent to the project.

Conducted Fall Sampling Cruise (November 2012)

Processed Samples (Preliminary Laboratory Processing for C/N Analysis for samples collected through June 2012 Complete)

Dr. Heintz' lab received samples from collections for the high resolution study through June 2012. Processing has been delayed slightly due to prioritizing processing needs for other herring projects (herring growth and condition, herring fatty acid study), but contract labor and supplies have been procured and sample analysis is expected to be completed by fall of 2013.

Processed Data (Preliminary Results from Intensive Study)

Interpreted Data (Data up to Preliminary Results of Intensive Study)

Reported on Data and Interpretations at P.I. workshop in November

Submitted an abstract titled "Estimating Overwinter Mortality of Age-0 Pacific Herring Based on Loss of Energy and Implications for Recruitment" to the 2013 AMSS

Submitted an abstract titled "High-Latitude Pelagic Food Web Shifts Inferred from Stable Isotope Analysis at Seasonal, Inter-Annual, and Inter-Decadal Time Scales" to the 2013 Aquatic Sciences Meeting

Preliminary results from intensive study (C/N samples) of Simpson Bay age-0 herring from the Intensive Study shown in figure below. Note that these are incomplete and thus preliminary.

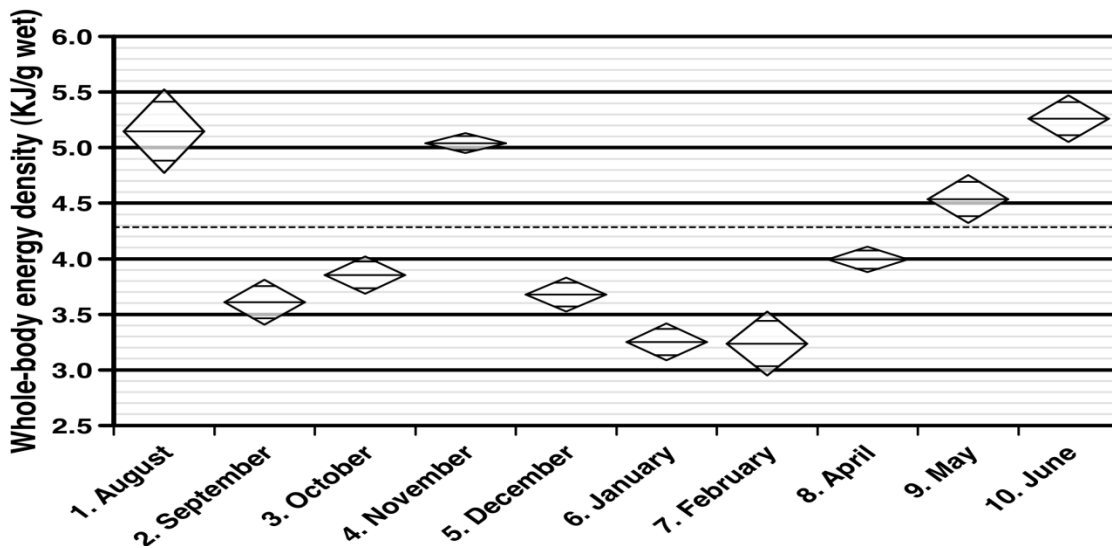


Figure 1. Preliminary results of intensive study of age-0 herring sampled from Simpson Bay from August 2011 to June 2012. Values of whole-body energy density in KJ/g wet mass are shown as diamond mean plots (<http://www.gigawiz.com/diamond.htm>). The data suggest that herring reach a maximum in November before losing energy over winter and that recovery can begin as soon as April. The August sample was very small (N = 10) and may not be representative.

Future Work: Summarize work to be performed during the upcoming year, if different from the original proposal. Describe any proposed changes in objectives, procedural or statistical methods, study area or schedule. *NOTE: Significant changes in a project's objectives, methods, schedule or budget require submittal of a new proposal subject to the standard process of proposal submittal, technical review and Trustee Council approval.*

- No difference

Coordination/Collaboration: Describe efforts undertaken during the reporting period to achieve the coordination and collaboration provisions of the proposal, if applicable.

**Samples collected sent to colleagues in Juneau and Washington State
Exchange of preliminary results with collaborators at meetings (PI workshop and AMSS)**

Community Involvement/TEK & Resource Management Applications: Describe efforts undertaken during the reporting period to achieve the community involvement/TEK and resource management application provisions of the proposal, if applicable.

**CDFU sampled herring for Project in March
Preliminary results of project presented to resource managers in attendance at P.I. workshops**

Information Transfer: List (a) publications produced during the reporting period, (b) conference and workshop presentations and attendance during the reporting period, and (c) data and/or information products developed during the reporting period. *NOTE: Lack of compliance with the Trustee Council's data policy and/or the project's data management plan will result in withholding of additional project funds, cancellation of the project, or denial of funding for future projects.*

**Preliminary results of project presented to public in attendance at meetings in Cordova and Anchorage
P.I. worked with NCEAS to archive legacy herring data**

Budget: Explain any differences and/or problems between actual and budgeted expenditures, including any substantial changes in the allocation of funds among line

items on the budget form. Also provide any new information regarding matching funds or funds from non-EVOS sources for the project.

NOTE: Any request for an increased or supplemental budget must be submitted as a new proposal that will be subject to the standard process of proposal submittal, technical review, and Trustee Council approval.

No differences or problems.

EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL				
ANNUAL PROGRAM REPORT YEAR 1				
Budget Category:	Proposed Year 1	Actual Year 1	TOTAL Difference	
Personnel	\$64,800	\$43,670	\$21,130	
Travel	\$2,700	\$1,573	\$1,127	
Contractual	\$41,600	\$1,308	\$40,292	
Commodities	\$13,900	\$1,216	\$12,684	
Equipment			\$0	
Indirect Costs (<i>will vary by proposer</i>)	\$36,900	\$14,279	\$22,621	
SUBTOTAL	\$159,900	\$62,046	\$97,854	
General Administration (9% of subtotal)	\$14,391	\$5,584	\$8,807	
PROJECT TOTAL	\$174,291	\$67,630	\$106,661	
Other Resources (Cost Share Funds)	\$0	\$0	\$0	
COMMENTS:				
FY12	Program Title: HRM Juvenile Herring Intensive Monitoring Team Leader: Kline			SUMMARY

EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL			
ANNUAL PROGRAM REPORT YEAR 1			
Budget Category:	Proposed Year 1	Actual Year 1	TOTAL Difference
Personnel			\$0
Travel	\$2,000		\$2,000
Contractual	\$23,000	\$15,100	\$7,900
Commodities	\$5,000	\$3,000	\$2,000
Equipment			\$0
Indirect Costs (<i>will vary by proposer</i>)			\$0
SUBTOTAL	\$30,000	\$18,100	\$11,900
General Administration (9% of subtotal)	\$2,700	\$1,629	\$1,071
PROJECT TOTAL	\$32,700	\$19,729	\$12,971
Other Resources (Cost Share Funds)	\$0	\$0	\$0
COMMENTS:			
FY12	Program Title: HRM Juvenile Herring Intensive Monitoring Team Leader: Heintz		SUMMARY

We can accept your report as a digital file (Microsoft Word), with all figures and tables embedded. Acrobat Portable Document Format (PDF) files (version 4.x or later) are also acceptable; please do not lock PDF files or include digital signatures.

Please submit reports electronically in [ProjectView](#) or by email to catherine.boerner@alaska.gov. Also, please be sure to post your report on your own website, if you have one.



*We appreciate your prompt submission of your report
and thank you for your participation.*