

EVOS ANNUAL PROJECT REPORT

All recipients of funds from the *Exxon Valdez* Oil Spill Trustee Council must submit an 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. Satisfactory review of the annual report is necessary for continuation of multi-year projects. Failure to submit an annual report by September 1 of each year, or unsatisfactory review of an annual report, will 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: 02340 Annual Report

Project Title: Long-term oceanographic monitoring of the Gulf of Alaska Ecosystem

PI Name: Thomas Weingartner

Time Period Covered by Report: 10/01 – 9/02

Date of Report: 8/29/03

1. **Work Performed:** Summarize work performed during the reporting period, including any results available to date and their relationship to the original project objectives. Describe and explain any deviation 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.

We completed the monthly CTD sampling at GAK 1. We were unable to recover the GAK 1 mooring as it appears to have been lost due to fishing activity. Efforts to find the mooring by dragging and by acoustic searching techniques have not been successful. A replacement mooring will be deployed shortly (1st week of September) assuming adequate weather.

Two presentations and three manuscripts were submitted incorporating data collected at GAK 1. These are listed in item 5.

2. **Future Work:** Summarize work to be performed during the upcoming year, if changed from the original proposal. Describe any proposed changes in objectives, procedural or statistical methods, study area, or schedule. [**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.]

No changes envisioned at this time, although "hardening" of the GAK 1 mooring is under consideration.

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

Continued sampling GAK 1 during GLOBEC cruises. GLOBEC-supported Alpha Helix time was spent searching for the lost GAK 1 mooring. Data were shared with T. Royer and his colleagues at Old Dominion University

4. **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.

Not applicable

5. **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. [**PLEASE 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.]

We presented results from this study at "Marine Science in the Northeast Pacific: Science for Resource Dependent Communities" Meeting held January 2003 in Anchorage in a poster:

Weingartner, T. S. Danielson, and T. Royer, Freshwater Variability in the Gulf of Alaska

This funding supported T. Weingartner's invited plenary talk at the same meeting:
"Order and chaos: the physical structure of the Gulf of Alaska shelf/slope ecosystem"

Data and Results from this project contributed to two manuscripts submitted and in review to Deep-Sea Research:

Weingartner, T. S. Danielson, and T. Royer, Freshwater Variability and Predictability in the Gulf of Alaska

Royer, T. C., Hydrographic Responses of the Coastal Gulf of Alaska to Seasonal and Interannual Forcing

And in a Master's Thesis subsequently submitted as a paper to the Journal of Geophysical Research:

Sarkar, N., T. C. Royer, and C. E. Grosch Mixed layer variability at a coastal site in the northern Gulf of Alaska

Data sets are put up on the project website (<http://www.ims.uaf.edu/gak1>) immediately after being calibrated. Additions and improvements to the project website are incorporated as they are developed or new findings emerge.

6. **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. **[PLEASE 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 change

Report Prepared By: _____**Thomas Weingartner**_____

Project Web Site Address:
_____ (<http://www.ims.uaf.edu/gak1>) _____

SUBMIT ANNUAL REPORTS ELECTRONICALLY TO phil_mundy@oilspill.state.ak.us. THE REPORTS WILL BE POSTED ON THE TRUSTEE COUNCIL'S WEB SITE AND SHOULD ALSO BE POSTED ON THE PI'S WEB SITE. The subject line of the e-mail transmitting the report must include the project number and the words "annual report" (e.g., "035620 Annual Report"). Electronic reports must be submitted either as an Acrobat Portable Document Format (PDF) file or word processing document (Microsoft Word 2000 for Windows or lower or WordPerfect 9.0 or lower) with any figures and tables imbedded. Acrobat PDF 4.0 or above file format must be used, preferably in 'formatted text with graphics' (called "PDF normal" under Acrobat PDF 4.0) format. Minimally, "PDF searchable image" (called "PDF original image with hidden text" under Acrobat PDF 4.0) may be used if pre-approved by the Trustee Council Office. In either case, the PDF file must not be secured or locked from future editing, or contain a digital signature from the principal investigator.