

PROPOSAL SIGNATURE FORM

THIS FORM MUST BE SIGNED BY THE PROPOSED PRINCIPAL INVESTIGATOR AND SUBMITTED ALONG WITH THE PROPOSAL. If the proposal has more than one investigator, this form must be signed by at least one of the investigators, and that investigator will ensure that Trustee Council requirements are followed. Proposals will not be reviewed until this signed form is received by the Trustee Council Office.

By submission of this proposal, I agree to abide by the Trustee Council's data policy (*Trustee Council Data Policy**, adopted March 17, 2008) and reporting requirements (*Procedures for the Preparation and Distribution of Reports***, adopted June 27, 2007).

PROJECT TITLE: The Exxon Valdez Trustee Council Hydrocarbon Database

Name of PI: Bonita Nelson

Signature of PI: _____ Date _____

Printed Name of co-PI: Mark Carls

Signature of co-PI: _____ Date _____

Printed Name of co-PI: _____

Signature of co-PI: _____ Date _____

* Available at www.evostc.state.ak.us/Policies/data.htm

** Available at www.evostc.state.ak.us/Policies/guidelines.htm

Trustee Council Use Only

Project No: _____

Date Received: _____

PROPOSAL SUMMARY PAGE
(To be filled in by proposer)

Project Title: The Exxon Valdez Trustee Hydrocarbon Database

Project Period: October 1, 2008 – September 30, 2009

Proposer(s): Bonita Nelson and Mark Carls NOAA Auke Bay Laboratories
Bonita.Nelson@noaa.gov Mark.Carls@noaa.gov

Study Location: Project resides at Auke Bay Laboratories – TSMRI, Juneau, AK

Abstract: This project is an on-going service project providing data and sample archiving services for all samples collected for hydrocarbon analysis in support of *Exxon Valdez* Oil Spill Trustee Council projects. These data represent samples collected since the oil spill in 1989 to the present and include environmental and laboratory Response (National Resource Damage Assessment–NRDA), Restoration and recovery projects data. This project serves as an archive for the chemistry analysis and sample data, physical samples that have not been analyzed, provides for copies of the ACCESS database for interested parties and responds to several FOIA requests for information associated with these data. Interpretative services for these data are available.

Funding: EVOS Funding Requested: FY 09 \$ 8.9K
(must include 9%GA)

TOTAL: 8.9K

Non-EVOS Funds to be Used: FY 09 \$ 13K

TOTAL: 21.9K

Date: August 25, 2008

(NOT TO EXCEED ONE PAGE)

PROJECT PLAN

I. NEED FOR THE PROJECT

A. Statement of Problem

The *Exxon Valdez* Trustee Hydrocarbon Database is the archive for all of the sample collection and analytical data collected for hydrocarbon analysis for Trustee funded projects from 1989 to the present. This database provides investigators and other interested parties with the opportunity to retrieve sample and analysis information which has been quality controlled and archived under a chain of custody protocol. This service project also provides for the storage and disposal of archival environmental samples, interpretation of hydrocarbon results and an ACCESS database containing all of the analyzed data. Although the number of Trustee funded projects requiring hydrocarbon analysis have diminished over time, the need for the archived data as well and analyses concerning lingering oil distribution is of current interest. This project is designed to maintain the archival database and its associated storage and interpretative tasks as well as continue to provide access to the data.

B. Relevance to 1994 Restoration Plan Goals and Scientific Priorities

Archiving of the Trustee hydrocarbon sample data ensures that these data are available to principal investigators, government agencies, and other interested parties on a timely basis. The database allows direct comparison of restoration and NRDA data, and contains an inventory of hydrocarbon samples and information about their collection, storage and analysis since the beginning of the spill. The continued use of the methods for hydrocarbon data evaluation and interpretation developed for the *Exxon Valdez* NRDA samples will insure direct comparability of future with previous samples. This will substantially increase the probability that temporal trends in these data will be detected when actually present. Interested parties will be able to get limited assistance with chemical interpretation of hydrocarbon results from their project or other projects that relate to their project. This is not a hypothesis driven project, it is aimed at maintaining hydrocarbon pollution data from the day after the spill until the present. The results we will achieve are to continue to adding information from lingering oil surveys, providing interpretation services and information dissemination when necessary, and maintain the historic database and sample collection. The utility of this project is that it maintains the historical record of hydrocarbon assessment for examined resources since the beginning of the spill.

II. PROJECT DESIGN

A. Objectives

1. Continue maintenance of the Trustee hydrocarbon database by updating the database with new information and continue the sample archiving procedures developed under NRDA and Restoration.
2. Continue interpretation of hydrocarbon data, including new data

produced for principal investigators and resources managers and for syntheses products as needed.

3. Provide ACCESS database of analyzed data via the internet and respond to all FOIA requests concerning the data.

B. Procedural and Scientific Methods

1. Data associated with hydrocarbon samples are added to the existing Trustee hydrocarbon ACCESS database. The samples and data currently reside at the Auke Bay Laboratories' Ted Stevens Marine Research Institute in Juneau. Incoming samples are inventoried and stored in laboratory freezers, and sample collection information is entered into the database. Samples are released for hydrocarbon analysis after ABL receives a written request from the responsible project leader. Hydrocarbon data, reported by the analytical laboratory, are matched to the sample collection information and all the data are checked for errors and electronic copies are sent to principal investigators or other requesters. Environmental samples that are not used in analyses are stored in a locked freezer.

2. Requests for data included FOIA are transmitted in the manner requested.

3. The database is updated annually and is available on a CD-ROM or at the agency website: www.afsc.noaa.gov/ABL.

A An updated manual for database use and history will be produced . This is a continuation of project 01290 and previously funded under TS#1, 93090, 94290, 95290, 96290 , 97290, 98290, 99290 , 00290, 01290, 20209, 03290 04290,05290,06290,07290 and 08290.

C. Data Analysis and Statistical Methods

All data collected for hydrocarbon analysis from 1989 through the present are stored in PWSOIL (the original Trustee Hydrocarbon Database). All analyzed hydrocarbon data from Trustee funded projects are presented in ACCESS database called PWSOIL PUBLIC which is updated annually.

D. Description of Study Area

This project/service takes place in Juneau, AK at the Auke Bay Laboratories' Ted Stevens Marine Research Institute.

E. Coordination and Collaboration with Other Efforts

This project complements any project that is funded the the Trustee Council that collects samples for hydrocarbon analyses or requires use of hydrocarbon data collect in support of the Trustee Council. Specifically it will incorporate data from projects 070801, 070836 and 070808 in FY09.

III. SCHEDULE

A. Project Milestones

Objective 1-2 Data are analyzed when they are received from the field collectors. and analyzed as soon as possible after collection. FY08 collected data will be analyzed by the end of the FY08 calendar year. FY09 collected data will be analyzed as soon as it is received after the summer sampling season. Data are entered into the database as soon as quality control procedures have been met.

Objective 3. The public release of the database is updated annually at the end of a fiscal year and then again when all of those fiscal year's samples have complete analysis. Many samples arrive to the lab late in the fiscal year and the analyses are not complete for weeks or months.

B. Measurable Project Tasks

FY 09, 1st quarter (October 1, 2008-December 31, 2008)

*Update the database will all samples analyzed and reported through Septembe
,30. Add sample information for samples received during
the summer with analysis underway.*

Respond to FOIA requests as needed

FY 09, 2nd quarter (January 1, 2009-March 31, 2009)

Annual Marine Science Symposium

FY 08, 3rd quarter (April 1, 2009-June 30, 2009)

Analytical data entered from calendar year 2008 sample collection installment one.

FY 08, 4th quarter (July 1, 2009-September 30, 2009)

*Analytical data entered from calendar year 2007 and sample data from calendar year
2008 entered. Updated database by October1, 2009, annual report.*

IV. RESPONSIVENESS TO KEY TRUSTEE COUNCIL STRATEGIES

A. Community Involvement and Traditional Ecological Knowledge (TEK)

This service project does not involve TEK since it is a data archiving service for analytical hydrocarbon data.

B. Resource Management Applications

The data in this database is readily available to anyone who requests it and also will be of value to the Prince William Sound Regional Citizens' Advisory Council as well as the Trustee Council's investigation into the lingering oil in Prince William Sound and the Gulf of Alaska. The petroleum weathering model developed under this project in the past can still be used to identify hydrocarbons generated from spill versus those from other background sources.

V. PUBLICATIONS AND REPORTS

An annual report accompanied by a copy of the database will be available on September 30, 2009.

2009 EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 2008 - September 30, 2009

Budget Category:	Authorized FY 2008	Proposed FY 2009					
Personnel		\$0.0					
Travel	\$2.5	\$1.2					
Contractual	\$7.0	\$6.0					
Commodities	\$0.5	\$1.0					
Equipment		\$0.0	LONG RANGE FUNDING REQUIREMENTS				
Subtotal	\$10.0	\$8.2					
General Administration	\$0.9	\$0.7					
Project Total	\$10.9	\$8.9					
Full-time Equivalent (FTE)	0.1	0.0					
Dollar amounts are shown in thousands of dollars.							
Other Resources							
<p>Comments: The Auke Bay Laboratories will provide .5 month of Mark Carls' salary and 1 month of Bonita Nelson's salary for a total of 13K as well as storage for all samples and paper work in support of the environmental samples and related paperwork.</p>							

FY09

Prepared:

Project Number: 09290
 Project Title: The *Exxon Valdez* Trustee Hydrocarbon Database
 Agency: NOAA

2009EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 2008 - September 30, 2009

Personnel Costs:		GS/Range/ Step	Months Budgeted	Monthly Costs	Overtime	
Name	Position Description					
		Subtotal	0.0	0.0	0.0	
						Personnel Total
Travel Costs:		Ticket Price	Round Trips	Total Days	Daily Per Diem	
Description						
1 trip to Anchorage to annual meeting		0.6	1	3	0.2	
						Travel Total

FY09

Prepared:

Project Number: 09290
 Project Title: The Exxon Valdez Trustee Hydrocarbon
 Database
 Agency: NOAA

2009EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 2008 - September 30, 2009

Contractual Costs:	
Description	
Assistance with database maintenance, verification	
When a non-trustee organization is used, the form 4A is required.	Contractual Total
Commodities Costs:	
Description	
Supplies: jars, office supplies, freezer maintenance, disposal of sample s	
	Commodities Total

FY09

Project Number: 09290
 Project Title: The Exxon Valdez Trustee Hydrocarbon Database
 Agency: NOAA

Prepared:

2009EXXON VALDEZ TRUSTEE COUNCIL PROJECT BUDGET

October 1, 2008 - September 30, 2009

New Equipment Purchases:		Number of Units	Unit Price	
Description				
Those purchases associated with replacement equipment should be indicated by placement of an R.		New Equipment Total		
Existing Equipment Usage:		Number of Units		
Description				
Computers		2		
Freezers		1		

FY09

Project Number: 09290
 Project Title: The Exxon Valdez Trustee Hydrocarbon Database
 Agency: NOAA

Prepared: