

FY15 PROJECT PROPOSAL SUMMARY PAGE

Continuing, Multi-Year Projects

Proposals are due to the EVOSTC office by September 2, 2014. Please note that the information in your proposal and budget form will be used for funding review. Late proposals, revisions or corrections may not be accepted.

Project Title: Exxon Valdez Oil Spill Marine Habitat Harbor Water Quality Improvement Program

Project Period: February 1, 2015 – January 31, 2016

Primary Investigator(s): Ivy Patton, Native Village of Eyak

Study Location: Cordova, Alaska

Project Website (if applicable): NA

Abstract*:

In this project, the Native Village of Eyak, along with their partners, will bring a local, physical presence to the Cordova Harbor to promote clean boating practices through education and information dissemination. In addition, the work will engage the local harbor staff, marine businesses, Coast Guard, and non-profit organizations by supporting increased use of available services. Finally, this important work will evaluate existing harbor user practices, give recommendations for improvements to decision makers, and assist with improving and augmenting critical harbor services.

Specifically the tasks for this project include:

- Addressing waste and antifreeze disposal limitations - achieved by providing new waste receptacles at convenient locations. These new receptacles will reduce the chance of materials being lost back to the environment while making it easier to properly dispose of waste.
- Improved outreach activities - educating harbor users to the best practices, which will reduce waste reaching the harbor. This will be done using signage and the development of new, effective outreach materials.
- Evaluation – monitor the effectiveness of the harbor clean up effort by tracking changes in use patterns and PAH levels in mussels.

**The abstract should provide a brief overview of the overall goals and hypotheses of the project and provide sufficient information for a summary review as this is the text that will be used in the public work plan and may be relied upon by the PAC and other parties.*

Estimated Budget:

EVOSTC Funding Requested* (must include 9% GA):

FY12	FY13	FY14	FY15	FY16	TOTAL
		193,721.9	72,996.30	77,355.3	344,073.50

Non-EVOSTC Funds to be used:

FY12	FY13	FY14	FY15	FY16	TOTAL

**If the amount requested here does not match the amount on the budget form, the request on the budget form will be considered to be correct.*

Date: August 18, 2014

Reviewers will have available your annual report, original proposal, and this proposal during their review. However, to assist reviewers, please highlight or otherwise distinguish any new or additional information that was not included in your original proposal.

I. EXECUTIVE SUMMARY

Like many public harbors, the Cordova Harbor is faced with chronic oil and debris pollution. Annually waters in and around the harbor are coated with spilled petroleum products, mostly the result of contaminated bilge water, and debris from boat maintenance projects. Additionally, litter management in the harbor is a constant challenge for city staff. Cordova's harbor is located in the heart of town, and is heavily relied upon by the commercial fisherman, recreationists, tourists, and subsistence users for work, food, and recreation. Locals and tourists alike take walks on the Breakwater Trail or the dock floats, and they enjoy sitting at the Fisherman's Memorial park bench overlooking the harbor. People are often seen fishing from the dock floats, and sea otters, seals, sea lions, and shorebirds frequent the harbor for foraging and shelter. The amount of debris and hazardous waste in the Cordova Harbor is not only a health risk, but also an eyesore. By improving the water quality and appearance of the Cordova Harbor, the human services injured resource will be enhanced.

The EVOS-injured resources impacted by this proposal are commercial fishing and intertidal habitat. With regard to commercial fishing, the importance of a clean, efficiently operating harbor is an essential link in the production of quality seafood. The harbor is the backbone of the local economy; Cordova is the second largest seafood producing port in the EVOS region behind Kodiak. Cordova is annually ranked among the top ten seafood ports in the United States in both poundage and value. In terms of habitat and species, the harbor is a continual point of solid and oily waste input into the intertidal areas within and outside of the 700-plus-slip harbor. The appearance of a clean harbor is important to marketing the high quality fish products produced in Prince William Sound. Existing clean water indexes will serve as a baseline for the monitoring activities outlined in this proposal thus enabling documentation of improvement. Improving water quality within the harbor will impact water quality of the surrounding area.

Each year, from May through September, the harbor's 700-plus slips are fully occupied, and additional transient moorage is heavily utilized. With a broad range of vessels operations using the harbor including commercial fishing boats, tenders, charter, pleasure, sail, houseboats (liveaboards), and

subsistence skiffs, a portfolio of approaches is required to improve water quality including an increased and consistent public education and awareness of clean harbor practices and resources.

The approaches include:

Waste Disposal:

Antifreeze Shed Construction. Through multiple meetings with the City of Cordova, it has been decided that two antifreeze receptacles and one add-on shed construction will be put out to bid in September 2014. Antifreeze dumping in and around Cordova Harbor waters is still an important issue and feedback has shown that harbor users support this activity.

Trash Management Plan:

Through multiple meeting with the City of Cordova, it has been decided that the trash management plan will include a new foundation and enclosure at the New Harbor dumpster site. The design is still in progress.

Battery Shed:

Through multiple meeting with the City of Cordova, it has been decided that the Battery Shed will serve as receptacle for large cell batteries (vehicular). The location and design of the shed is still to be determined.

User Education:

Education/Outreach: Radio announcements, harbor bill slip inserts, Clean Harbor mail inserts, user surveys, Cordova Clean Harbor clean up day, and dock-walking events are user education activities that have taken place.

Distribute Materials: Clean Harbor Awareness inserts mailed with harbor slip fees in June 2014 and Clean Harbor mailing inserts sent to Post Office box holders in August 2014.

Volunteer Dock walk

Dock walking has been done through volunteers this summer as schedules and weather allows. Dock walking includes picking up trash from the harbor and waters at the new and old Harbors, answering questions from harbor users, and collection of user surveys.

Newsletter:

The Clean Harbor newsletter created in 2013 was mailed out to Cordova resident box holders in August 2014.

Harbor Signs:

Harbor signage plan is still in design phase.

Research/Reporting:

Not available at this time.

Evaluation:

Mussel Sampling - The sampling event for mussel tissues in the Cordova Harbor is scheduled for late August/Early September 2014 in accordance with Auke Bay Laboratories in Juneau, Alaska.

II. COORDINATION AND COLLABORATION

A. Within a EVOSTC-Funded Program

NVE has worked closely with the Clean Harbor Clean Boating Program/Prince William Soundkeeper for a harbor walk program in which volunteers clean up the docks and harbor waters, disseminate surveys, and talk to harbor users about our activities.

B. With Other EVOSTC-funded Projects

C. With Trustee or Management Agencies

Native Village of Eyak has worked closely with NOAA on this project and under advisement of DEC.

III. PROJECT DESIGN – PLAN FOR FY15

A. Objectives for FY15

Identify the primary objectives for your project for FY15 as submitted in your original proposal.

In FY 15 the following projects will continue:

User Education:

Harbor User education will be implemented through Education and Outreach, the Volunteer Dockwalk program, placement of harbor signage, newsletters, radio announcements and word of mouth. Harbor users will be engaged on Cordova Clean Harbor efforts, improvements, and proper disposal methods.

Evaluation:

The education and outreach team will evaluate project effectiveness by seeking feedback and information through surveys and by observing changes in use patterns. Mussel Sampling will show an improvement in PAH levels.

In FY 15 the following projects will commence:

Waste Disposal:

Antifreeze will be collected at the antifreeze waste receptacle sites and stored in drums at the city baler until they are ready to be recycled and/or shipped out for recycling. Key personnel will be trained on the recycling unit operation and the CCH group will look for a local market to use the recycled product. Un-recycled antifreeze will be shipped/backhauled out of the community.

Vehicle and other lead batteries will be collected at the battery shed for proper disposal. There will be announcements and education as to why batteries will be collected and safely transported out of town for disposal.

Strategically placed harbor signage will alert all harbor users on where and how to dispose of solid and hazardous waste.

Evaluation:

NVE will work closely with the City of Cordova on how the battery shed, antifreeze waste receptacles, and trash bins are utilized. In addition, we will document how many bilge pumps are being given at the Harbor Master's office and take note of positive changes during dock walking activities, such as the use of a tarp for collecting net trimmings.

B. Changes to Project Design

In collaboration with other community groups it was decided that a consensus was agreed upon as far as the best management practices for waste in the harbor. Therefore coordination funding was moved to contractual to work on building the agreed upon infrastructure for the harbor trash facilities.

IV. SCHEDULE

A. Project Milestones for FY 15

For each project objective listed (III.A), specify when critical project tasks will be completed, as submitted in your original proposal. Please identify any substantive changes and the reason for the changes. Please format your information as in the following example:

Objective 1. Waste Disposal

Major milestones will include proper solid and hazardous waste disposal by harbor users, businesses, and community members.

Objective 2. User Education

Harbor signage will be put in place that clearly outlines how to properly dispose of solid and hazardous waste once waste receptacles are in place. The public will be educated on new harbor services through radio announcements, a 2015 Clean Harbor Newsletter, harbor signage, Harbor cleanup day, Earth Day table, and through volunteer dock walk activities.

Objective 3. Evaluation

Evaluation milestones will be from user survey feedback and from test results in TAH levels in mussel tissue sampling.

B. Measurable Project Tasks for FY 15

Specify, by each quarter of each fiscal year, when critical project tasks (for example, sample collection, data analysis, manuscript submittal, etc.) will be completed, as submitted in your original proposal. Please identify any substantive changes and the reason for the changes. Please format your schedule as in the following example:

FY 15, 1st quarter (February 1, 2015 - April 31, 2015)

*February 2015: mussel sample collection
March 1, 2015: Submission of EVOS annual report*

FY 15, 2nd quarter (May 1, 2015-July 30, 2015)

May 2015 Newsletter

FY 15, 3rd quarter (August 1, 2015 – October 31, 2015)

*September 1, 2015: Submission of EVOS continuing project proposal form and budget sheets
September 2015: mussel sample collection*

FY 15, 4th quarter (November 1, 2015- January 31, 2016)

January 2016: *mussel sample collection*

January 15: *Identify project end dates and deliverables*

V. PROJECT PERSONNEL – CHANGES AND UPDATES

If there are any staffing changes to Primary Investigators or other senior personnel please provide CV's for any new personnel and describe their role on the project.

N/A

VI. BUDGET

A. Budget Forms (Attached)

Provide completed budget forms.

See attached.

B. Changes from Original Proposal

If your FY15 funding request differs from your original proposal, provide a detailed list of the changes and discuss the reason for each change.

N/A

C. Sources of Additional Funding

Identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

N/A

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM BUDGET PROPOSAL AND REPORTING FORM**

Budget Category:	Proposed FY 12	Proposed FY 13	Proposed FY 14	Proposed FY 15	Proposed FY 16	TOTAL PROPOSED	ACTUAL CUMULATIVE
Personnel	\$0.0	\$0.0	\$38,295.6	\$42,499.2	\$45,079.2	\$125,874.0	\$ 7,526
Travel	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$ -
Contractual	\$0.0	\$0.0	\$91,900.0	\$2,400.0	\$2,400.0	\$96,700.0	\$ -
Commodities	\$0.0	\$0.0	\$6,375.0	\$6,675.0	\$7,175.0	\$20,225.0	\$ 225
Equipment	\$0.0	\$0.0	\$300.0	\$0.0	\$0.0	\$300.0	\$ 147
Indirect Costs (<i>will vary by proposer</i>)	\$0.0	\$0.0	\$40,855.9	\$15,394.9	\$16,314.0	\$72,564.8	\$ 1,684
SUBTOTAL	\$0.0	\$0.0	\$177,726.5	\$66,969.1	\$70,968.2	\$315,663.8	\$ 9,582
General Administration (9% of subtotal)	\$0.0	\$0.0	\$15,995.4	\$6,027.2	\$6,387.1	\$28,409.7	\$862.3
PROJECT TOTAL	\$0.0	\$0.0	\$193,721.9	\$72,996.3	\$77,355.3	\$344,073.5	\$10,444.0
Other Resources (Cost Share Funds)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	N/A

COMMENTS:

This page provides an five-year overview of proposed funding and actual cumulative spending. The column titled 'Actual Cumulative' should be updated each fiscal year to provide information on the total amount actually spent for all completed years of the program. For years where funding is not requested, please leave zeroes.

The Project Total line will be considered the final requested amount and changes will not be accepted after the proposal is submitted.

FY12-16

**Program Title: Cordova Harbor Water Quality
Improvement Project
Team Leader: Ivy Patton**

**PROGRAM
SUMMARY PAGE**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

Personnel Costs:		Months Budgeted	Monthly Costs	Overtime	Personnel Sum
Name	Project Title				
Ivy Patton	Environmental/Clean Harbor Coordinator	3.6	6549.0		23,576.4
John Whissel	DENR Department Head	1.2	8033.0		9,639.6
Support Staff	Support Staff	3.6	1411.0		5,079.6
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
		Subtotal	15993.0	0.0	
					Personnel Total
					\$38,295.6

Travel Costs:	Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel Sum
Description					
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					Travel Total
					\$0.0

FY14

Project Title:
Primary Investigator:

**FORM 3B
PERSONNEL & TRAVEL
DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

Contractual Costs:	Contract Sum
Description	
Harbor Signage Design and Production	10,000.0
Battery Shed Design and Production	30,000.0
Antifreeze Disposal Shed Design and Construction	10,000.0
Mussel Biomonitoring (sample collection, shipping, and analysis)	1,900.0
Garbage Bin Management Plan, bin purchase, and implementation	35,000.0
Antifreeze backhaul and recycle	5,000.0
If a component of the project will be performed under contract, the 4A and 4B forms are required.	
Contractual Total	\$91,900.0

Commodities Costs:	Commodities Sum
Description	
Mailings	500.0
Rack Cards, Posters, Banners	2,500.0
Advertising	1,500.0
Antifreeze Recycling (average \$3.75/gallon for 500 gallons annually)	1,875.0
Commodities Total	\$6,375.0

FY14

Project Title:
Primary Investigator:

**FORM 3B
CONTRACTUAL &
COMMODITIES DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

New Equipment Purchases:	Number of Units	Unit Price	Equipment Sum
Description			
Antifreeze Filters and Drums	1.0	300.0	300.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
New Equipment Total			\$300.0

Existing Equipment Usage:	Number of Units	Inventory Agency
Description		

FY14

Project Title:
Primary Investigator:

**FORM 3B
EQUIPMENT DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

Personnel Costs:		Months Budgeted	Monthly Costs	Overtime	Personnel Sum
Name	Project Title				
Ivy Patton	Environmental/Clean Harbor Coordinator	3.6	7050.0		25,380.0
John Whissel	DENR Department Head	1.2	8533.0		10,239.6
Support Staff	Volunteer Coordinator/Support Staff	3.6	1911.0		6,879.6
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
		Subtotal	17494.0	0.0	
					Personnel Total
					\$42,499.2

Travel Costs:	Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel Sum
Description					
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					Travel Total
					\$0.0

FY15

Project Title:
Primary Investigator:

**FORM 3B
PERSONNEL & TRAVEL
DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

Contractual Costs:	Contract Sum
Description	
Mussel Biomonitoring (sample collection, shipping, and analysis)	2,400.0
If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total	\$2,400.0

Commodities Costs:	Commodities Sum
Description	
Mailings	500.0
Rack Cards, Posters, Banners	2,500.0
Advertising	1,500.0
Antifreeze Recycling (average \$3.75/gallon for 500 gallons annually)	1,875.0
Antifreeze Filters and Drum	300.0
Commodities Total	\$6,675.0

FY15

Project Title:
Primary Investigator:

**FORM 3B
CONTRACTUAL &
COMMODITIES DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

New Equipment Purchases:	Number of Units	Unit Price	Equipment Sum
Description			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
New Equipment Total			\$0.0

Existing Equipment Usage:	Number of Units	Inventory Agency
Description		

FY15

Project Title:
Primary Investigator:

**FORM 3B
EQUIPMENT DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

Personnel Costs:		Months Budgeted	Monthly Costs	Overtime	Personnel Sum
Name	Project Title				
Ivy Patton	Environmental/Clean Harbor Coordinator	3.6	7100.0		25,560.0
John Whissel	DENR Department Head	1.2	9033.0		10,839.6
Support Staff	Volunteer Coordinator/Support Staff	3.6	2411.0		8,679.6
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Subtotal			18544.0	0.0	
Personnel Total					\$45,079.2

Travel Costs:	Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel Sum
Description					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
Travel Total					\$0.0

FY16

Project Title:
Primary Investigator:

**FORM 3B
PERSONNEL & TRAVEL
DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

Contractual Costs:	Contract Sum
Description	
Mussel Biomonitoring (sample collection, shipping, and analysis)	2,400.0
If a component of the project will be performed under contract, the 4A and 4B forms are required.	Contractual Total
	\$2,400.0

Commodities Costs:	Commodities Sum
Description	
Mailings	1,000.0
Rack Cards, Posters, Banners	2,500.0
Advertising	1,500.0
Antifreeze Recycling (average \$3.75/gallon for 500 gallons annually)	1,875.0
Antifreeze Filters and Drums	300.0
	Commodities Total
	\$7,175.0

FY16

Project Title:
Primary Investigator:

**FORM 3B
CONTRACTUAL &
COMMODITIES DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

New Equipment Purchases: Description	Number of Units	Unit Price	Equipment Sum
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
New Equipment Total			\$0.0

Existing Equipment Usage: Description	Number of Units	Inventory Agency

FY16

Project Title:
Primary Investigator:

**FORM 3B
EQUIPMENT DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

Personnel Costs:		Months Budgeted	Monthly Costs	Overtime	Personnel Sum
Name	Project Title				
Kristin Carpenter	Reducing PWS Snowmelt Pollution	1.5	\$6,389.58		\$ 9,584.37
Danielle Verna	Reducing PWS Snowmelt Pollution	1.5	\$4,809.54		\$ 7,214.31
Kate Morse	Reducing PWS Snowmelt Pollution	1.0	\$5,258.65		\$ 5,258.65
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
		Subtotal	16457.8	0.0	
					Personnel Total
					\$22,057.3

Travel Costs:	Ticket Price	Round Trips	Total Days	Daily Per Diem	Travel Sum
Description					
DOWL HKM engineer, 1 person x 2 trips	\$490.00	2	2	\$ 200.00	\$ 1,380.00
DOWL HKM engineer, 1 person x 1 trip	\$490.00	1	2	\$ 200.00	\$ 890.00
CRWP staff travel to AK Assoc. of Port & Harbor Administrators' conf.	\$900.00	1	3	\$ 200.00	\$ 1,500.00
CRWP staff travel to AK Rural Water Association's October 2015 conf.	\$500.00	1	3	\$ 200.00	1,100.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					0.0
					Travel Total
					\$4,870.0

FY15

Project Title:
Primary Investigator:

**FORM 3B
PERSONNEL & TRAVEL
DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

Contractual Costs: Description	Contract Sum
DOWL HKM engineers, snow management structure design and snow management guidance report.	35,000.0
Contractor services for construction of BMP improvements at one snow storage site	35,000.0
Water quality sample analysis, laboratory fees.	11,720.0
Contractual Total	\$81,720.0

Commodities Costs: Description	Commodities Sum
Commodities Total	\$0.0

FY15

Project Title:
Primary Investigator:

**FORM 3B
CONTRACTUAL &
COMMODITIES DETAIL**

**EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL
PROGRAM PROJECT BUDGET PROPOSAL AND REPORTING FORM**

New Equipment Purchases: Description	Number of Units	Unit Price	Equipment Sum
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
New Equipment Total			\$0.0

Existing Equipment Usage: Description	Number of Units	Inventory Agency

FY15

Project Title:
Primary Investigator:

**FORM 3B
EQUIPMENT DETAIL**