

## FY16 PROJECT PROPOSAL SUMMARY PAGE

### Continuing, Multi-Year Projects

*Proposals are due to catherine.boerner@alaska.gov and elise.hsieh@alaska.gov by September 1, 2015. 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, 2016 – January 31, 2017

**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	70,968.00	337,686.20

**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 25, 2015**

*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, herring 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 as a result of the *Exxon Valdez* spill will be enhanced and herring habitat improved.

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 and Battery 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.

Invitations to Bid were announced in February 2015 and two bids were received and rejected due to poor design. Invitations to Bid were announced again in April 2015 with no bids received. In late June 2015, the Project Manager decided to hire a carpenter, purchase materials, and build the antifreeze and battery shed. The shed construction is complete but not in use at this time because all hazmat collection equipment is still en route to Cordova. Both sheds will be accepting hazardous waste by October 2015.

Trash Management Plan:

Through multiple meetings with the City of Cordova the trash management plan will include a new foundation and enclosure at the New dumpster site. The design consists of a concrete pad with hip walls, and a 10-foot-high enclosure on three sides. The foundation has been poured and should be operational by October 2015.

User Education:

Education/Outreach: Radio announcements, harbor bill slip inserts, user surveys, Cordova Clean Harbor clean up day, and dock-walking events are user education activities that have taken place. The Project Manager gave a presentation at Tuesday Science Night in April 2015 to create awareness and answer questions. The Project Manager emails the Clean Harbor Group with any updates as they come forward.

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. Materials have not been distributed yet in 2015. This has been on hold due to the slow design and construction of Contractual work. Materials have been created but are only current once the sheds and waste receptacles are in place. Project Manager plans to send out box-mailings once this is complete.

Volunteer Dock walk

Dock walking includes picking up trash from the harbor and waters at the new and old Harbors and break wall, answering questions from harbor users, and collection of user surveys. Approximately 30 volunteer dock walks have been conducted by approximately 5 volunteers.

Newsletter:

The Clean Harbor newsletter created in 2013 was mailed out to Cordova resident box holders in August 2014. Remaining newsletters are available to anyone located in the lobby at NVE, the Harbormaster's Office, and other partners in Cordova. The 2015 newsletter is still in progress due to delayed start of contractual work.

Harbor Signs:

Numerous signs have been purchased and placed around the harbor. Some of these include Steel Grid Rules, Garbage Only, Hazardous Waste, and Oil Only. The permanent sign fixtures have not been completed.

Research/Reporting:

Not available at this time.

Evaluation:

Mussel Sampling - The sampling event for mussel tissues in the Cordova Harbor has been collected in September 2014, February 2015, and August 2015 in accordance with Auke Bay Laboratories in Juneau, Alaska. In addition, the Project Manager has provided fuel samples from Shoreside Petroleum to Auke Bay Labs to help identify the positive petroleum source. Sample analysis are done in conjunction with NOAA mussel-watch program and will not be available until Winter 2015.

Dock-walking and user surveys have provided us with excellent and encouraging feedback. Many harbor users show their appreciation and are happy to see positive changes within the harbor. This provides the Cordova Clean Harbor group with an opportunity for self-evaluation.

**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. NVE has also collaborated with the Copper River Watershed Project on Clean Harbor publications and reaching volunteer dockwalkers.

**B. With Other EVOSTC-funded Projects**

NVE has worked closely with the Copper River Watershed Project on their ‘Don’t Run Off Salmon’ stormwater education campaign. In addition, we have worked together on small spill prevention and education.

**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 FY16**

**A. Objectives for FY16**

*Identify the primary objectives for your project for FY16 as submitted in your original proposal.*

In FY 16 the following project components 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 between May and September. Volunteers are encouraged year round however summer months are the busiest time of the year because of our fishing fleet. Radio announcements run April through September.

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 take place in February and July 2016 and results are expected by the end of the year.

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.

In FY 16 the following projects will commence:

A final evaluation will be done by the Project Monitor by December 2016. This will take into account all user survey results and feedback, mussel monitoring results, and effective use of waste disposal collection. The Project Manager will design and create as a deliverable a guide that can be shared with other communities for the start up of a Clean Harbor Program. This guide will be a document that shares success stories and challenges, effective use of money and materials, an index of resources, photographs of events, and a checklist.

**B. Changes to Project Design**

N/A

**IV. SCHEDULE**

**A. Project Milestones for FY 16**

*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. Hazardous wastes will be shipped out of Cordova in September 2016. NVE will keep track of how many gallons of antifreeze and how many lead acid batteries are shipped and share this information with 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 2016 Clean Harbor Newsletter, harbor signage, Harbor cleanup day, Earth Day table, and through volunteer dock walk activities. All outreach and education ideas will commence in spring and summer 2016 with time for evaluation in the late fall and winter.*

**Objective 3. Evaluation**

*Evaluation milestones will be from 2016 user survey feedback, TAH levels in mussel tissue sampling, and dockwalk volunteers.*

**B. Measurable Project Tasks for FY 16**

*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 16, 1st quarter (February 1, 2016 - April 31, 2016)**

*February 2016: mussel sample collection  
March 1, 2016: Submission of EVOS annual report*

**FY 16, 2nd quarter (May 1, 2016-July 30, 2016)**

*May 2016 Newsletter*

**FY 16, 3rd quarter (August 1, 2016 – October 31, 2016)**

*September 1, 2016: Submission of EVOS continuing project proposal form and budget sheets  
August/September 2016: mussel sample collection*

**FY 16, 4th quarter (November 1, 2016- January 31, 2017)**

*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 FY16 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 PROJECT BUDGET PROPOSAL AND REPORTING FORM**

<b>Budget Category:</b>	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	\$ 39,752
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	\$ 15,864
Commodities	\$0.0	\$0.0	\$6,375.0	\$6,675.0	\$7,175.0	\$20,225.0	\$ 900
Equipment	\$0.0	\$0.0	\$300.0	\$0.0	\$0.0	\$300.0	\$ -
Indirect Costs ( <i>will vary by proposer</i> )			\$ 40,856	\$ 15,395	\$ 16,314	\$ 72,565	\$ -
<b>SUBTOTAL</b>	\$0.0	\$0.0	\$177,726.5	\$66,969.1	\$70,968.2	\$315,663.8	\$ 16,857
General Administration (9% of subtotal)	\$0.0	\$0.0	\$15,995.4	\$6,027.2	\$6,387.1	\$28,409.7	
<b>PROJECT TOTAL</b>	\$0.0	\$0.0	\$193,721.9	\$72,996.3	\$77,355.3	\$344,073.5	\$73,372.9
Other Resources (Cost Share Funds)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	

**COMMENTS:**

**This summary 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 project. On the Project Annual Report Form, if any line item exceeds a 10% deviation from the originally-proposed amount; provide detail regarding the reason for the deviation.

**FY12-16**

**Project Title: Cordova Harbor Water Quality  
Improvement Project  
Primary Investigator: Ivy Patton**

**NON-TRUSTEE AGENCY  
SUMMARY PAGE**



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

<b>Personnel Costs:</b>		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	0.0
<b>Personnel Total</b>					<b>\$45,079.2</b>

<b>Travel Costs:</b>	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
					0.0
					0.0
<b>Travel Total</b>					<b>\$0.0</b>

**FY16**

**Project Title: Cordova Harbor Water Quality Improvement Project**  
**Primary Investigator: Ivy Patton**

**FORM 3B  
PERSONNEL & TRAVEL  
DETAIL**

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

<b>Contractual Costs:</b> Description	Contract Sum
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.	<b>Contractual Total</b>
	\$2,400.0

<b>Commodities Costs:</b> Description	Commodities Sum
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
	<b>Commodities Total</b>
	\$7,175.0

**FY16**

**Project Title: Cordova Harbor Water Quality  
Improvement Project  
Primary Investigator: Ivy Patton**

**FORM 3B  
CONTRACTUAL &  
COMMODITIES DETAIL**

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

<b>New Equipment Purchases:</b> 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
<b>New Equipment Total</b>			\$0.0

<b>Existing Equipment Usage:</b> Description	Number of Units	Inventory Agency

**FY16**

**Project Title: Cordova Harbor Water Quality  
Improvement Project**  
**Primary Investigator: Ivy Patton**

**FORM 3B  
EQUIPMENT DETAIL**