



# EPA Puget Sound Financial and Ecosystem Accounting Tracking System (FEATS) v. September 2012 for Lead Organization Subawardees

*Photo by Rebecca Pirtle, Editor, Kingston Community News (Doe-Kag-Wats Estuary of the Suquamish Tribe)*

## PROJECT INFORMATION

<b>1. Federal Grant Number</b>	PA-01J276-01	<b>*2a. Reporting Period Start Date:</b>	10/1/2016	<b>*2b. Reporting Period End Date:</b>	3/31/2017
<b>3. Subaward Organization (Name and complete address including zip code)</b> Name: Samish Indian Nation Address 1: 2918 Commercial Avenue Address 2: City: Anacortes State: WA Zip Code: 98221-			<b>4. Subaward Project Manager Contact Information</b> Name: Todd Woodard Phone: (360) 293-6404 Ext: 119 Fax: (360) 661-6336 Email: twoodard@samishtribe.nsn.us		
<b>5a. EPA Program</b>  <b>LO - Tribal</b>	<b>5b. Subaward Project Title and Contract No.</b>  San Juan Islands Kelp Forest Survey Project; San Juan Island Creosote Removal and Beach Clean Up Project and San Juan Island Prairie Bald Habitat Assessment Project / 16EPA PSP447		<b>*6. Collaborating Organizations/Partners</b>  WA-DNR, Washington Conservation Corps, EarthCorps, NOAA/NMFS, NW Straits Foundation		

<b>Subawardee Submission Instructions:</b>  LO fills in the white boxes. Subawardee fills in the yellow boxes (boxes with asterisks). Refer to guidance document for how to fill out the boxes. After filling out the yellow boxes, save and e-mail it to your LO Project Manager for approval. LO will roll up the information and submit to EPA for approval.	<b>LO Project Manager:</b> Dani Madrone <b>LO:</b> NWIFC <b>Phone:</b> 360.528.4318 <b>email:</b> dmadrone@nwifc.org  <b>EPA Project Officer:</b> Lisa Chang	<b>*7a. Name/Title of Person Submitting Report</b>	Todd Woodard-Dir Nat Res Jodi Bluhm- DNR Field Supervis
		<b>*7b. Date Report Submitted</b>	4/28/2017

## FUNDING/COST ANALYSIS

8a. Total Assistance Amount Awarded:	\$184,100.00	8b. Funding Year (Federal Fiscal Year Funds Appropriated)	FY 2016 ----- ----- -----	*9. Amount Spent To-Date:	\$16,470.93	*10. Amount Reimbursed To-Date:	
11. Match Amount Required	\$0.00	*12. Total Match Amount Spent and Documented To-Date:	\$0.00	*13. Have you experienced any cost overruns or high unit costs?	none		
*14. What issues or questions do you need the LO Project Manager to respond to?	none						

## BUDGET UPDATE

	15a. APPROVED BUDGET			*15b. SPENT TO-DATE		
	LO (EPA) Funds	MATCH	TOTAL	LO (EPA) Funds	MATCH	TOTAL
Personnel	\$76,524.00		\$76,524.00	\$7,538.75		\$7,538.75
Fringe Benefits	\$33,444.00		\$33,444.00	\$2,766.69		\$2,766.69
Travel	\$15,399.00		\$15,399.00	\$127.37		\$ 127.37
Equipment	\$5,388.00		\$5,388.00	\$0.00		\$ 0.00
Supplies	\$7,208.00		\$7,208.00	\$1,901.26		\$1,901.26
Contracts			\$ 0.00	\$0.00		\$ 0.00
Other			\$ 0.00	\$0.00		\$ 0.00
<b>TOTAL DIRECT CHARGES</b>	\$137,963.00		\$137,963.00	\$12,334.07		\$12,334.07
Indirect Charges	\$46,137.00		\$46,137.00	\$4,136.86		\$4,136.86
<b>TOTAL</b>	\$184,100.00		\$184,100.00	\$16,470.93		\$16,470.93
*Explain Any Discrepancies:	n/a					

## ECOSYSTEM GOALS ADDRESSED

16a. Primary Goal	Healthy Habitat
16b. Additional Goals	Healthy Species    Water Quality    -----    -----    -----    -----

## DIRECT THREATS ADDRESSED

17a. Primary Threat	Point Source Pollution
17b. Secondary Threat(s)	Development    -----    -----

## LINKAGES TO PUGET SOUND ACTION AGENDA (Version Adopted August 2012)

18a. Primary Strategic Initiative	Tribal Habitat Priorities												
18b. Sub-Strategies Employed	16	17.1	19.1	21.2	21.3	21.4	23.1, .2	24.2	26.3	27	15.1-15.4	25.2	26.1
18c. Near-Term Actions Supported													

## LINKAGES TO EPA PUGET SOUND PERFORMANCE MEASURES

19. Measure(s)	Habitat Restored/Protected    -----    -----
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## LINKAGES TO PUGET SOUND DASHBOARD INDICATORS

20a. Primary Indicator	Marine Water Quality
20b. Secondary Indicators	Freshwater Quality    Wild Chinook Salmon    Pacific Herring    -----

## PROJECT LOCATION

21a. Latitude	48.483835	21b. Longitude	-122.589586
21c. Hydrologic Unit Code	17110003 - San Juan Islands	-----	-----
21d. Action Area	Whidbey	-----	-----

## MEASURES OF SUCCESS (Key Outputs)

*22a. Description (e.g., “shellfish beds reopened”)	*22b. Unit (e.g., “acres”)	*22c. Project Target (“number”)	*22d. Project Measure To-Date (“number”)
Bull Kelp Beds Mapped/surveyed	# Individuals	50	
Beaches Surveyed for Creosote and marine Debris	# Islands Completed	15	1
Marine Debris Removed from beaches	pounds	50000	
Level III Survey completed on targeted Prairie Balds	# prairies surveyed	12	
QAPPs/SOPs approved/written	# documents	6	6

## PROJECT MILESTONES

**Instructions:** In the tables below, please explain your progress toward meeting agreed outputs for the period, **reasons for slippages**, and any additional information including **reflections, lessons learned, and/or thoughtful analysis**. When appropriate, include analysis and information of **cost overruns or high unit costs**, and changes to work plan or budget not requiring prior approval from EPA. We encourage photo documentation - please attach to the report as a separate document.

<b>23a. Subaward Work Plan Component/Task:</b> San Juan Islands Kelp Forest Survey Project					
<b>23b. 2012 Action Agenda Near-Term Action(s) Supported:</b>					
<b>*23c. Estimated Costs:</b>					
<b>Actual Costs to Date:</b>					
<b>(If required to report – contact your Project Manager)</b>					
23d. Sub-Task No.	23e. Sub-Task Description (include due date)	*23f. Date of Status	*23g. Status	23h. Outputs/Deliverables	*23i. Remarks
1.1	Interview and document Samish Tribal Elders recording tribal knowledge of previous Bull Kelp locations.	3/31/17	CURRENT	GIS map of Samish historic knowledge of Kelp forest locations.	Tribal members spoke with their father and uncle who are two life long Fishermen. A GIS layer was created of the traditional ecological knowledge gained from their input.

1.2	Develop Relational Database.	3/31/17	AHEAD OF SCHEDULE BUT NOT COMPLETED	Develop survey protocols. QAPP, SOP	Protocols have been developed. The SOP is complete. The QAPP is complete and approved by NWIFC. The database is currently under development.
1.3	Survey Bull Kelp extent and depth.	3/31/17	PLANNED	Enter Bull Kelp data in relational database after each survey.	Surveys are expected to begin in June of 2017.
1.4	Create Bull kelp extent GIS map with historic and current datasets.	3/31/17	AHEAD OF SCHEDULE BUT NOT COMPLETED	GIS map of areas surveyed and survey results.	Historic information and traditional knowledge has been mapped. Awaiting summer survey data to map current extents.
1.5	Report writing and finding presentations.	3/31/17	PLANNED	Project Summary Report to be shared with EPA, Puget Sound Restoration Fund, NMFS and Friends of the San Juans as well as other interested project partners.	Scheduled for winter 2017

**23a. Subaward Work Plan Component/Task:** San Juan Island Creosote Removal and Beach Clean Up Project

**23b. 2012 Action Agenda Near-Term Action(s) Supported:**

**\*23c. Estimated Costs:**  
**Actual Costs to Date:**  
**(If required to report – contact your Project Manager)**

23d. Sub-Task No.	23e. Sub-Task Description (include due date)	*23f. Date of Status	*23g. Status	23h. Outputs/Deliverables	*23i. Remarks
2.1	Develop QAPP and SOP for shoreline creosote debris survey methods.	3/31/17	COMPLETED	QAPP/SOP	The QAPP and SOP were completed in March 2017. QAPP has been approved by NWIFC.

2.2	Survey current creosote, treated material, and large debris throughout the project area.	3/31/17	CURRENT	Create GIS maps of areas surveyed and update previous clean up maps. Develop relational database to house baseline creosote and large debris and creosote and debris removed. Baseline creosote treated material and large debris data report including analysis of re-accumulation of debris on previously cleaned beaches.	GIS Maps were updated and a relational database was developed to house all the survey data. An ESRI GIS Story Map was created in March, 2017 which summarizes the past 3 years of the project. So far, the story map has been viewed 174 times in the first month. 2017 Surveys began March 31 <sup>st</sup> .
2.2	Assist Project Partners in removal of creosote and other marine debris from beaches in Puget Sound.	3/31/17	AHEAD OF SCHEDULE BUT NOT COMPLETED	Documentation of marine debris removed from San Juan Beaches (tonnage removed).	As we survey current creosote, treated material, and large debris throughout the project area to help optimize collection time with partners, we are collecting marine debris and creosote that can be easily thrown away. Some types of Marine Debris are: rope, crab buoys, crab pots, treated wood, and styrofoam. Large scale debris removal is scheduled to begin in June 2017.
2.3	Write data summary report.	3/31/17	PLANNED	Project Summary Report including information that may be used to monitor long term trends in debris migration.	To be done at project completion

**23a. Subaward Work Plan Component/Task:** San Juan Islands Prairie Bald Habitat Assessment Project

**23b. 2012 Action Agenda Near-Term Action(s) Supported:**

**\*23c. Estimated Costs:**

**Actual Costs to Date:**

**(If required to report – contact your Project Manager)**

23d. Sub-Task No.	23e. Sub-Task Description (include due date)	*23f. Date of Status	*23g. Status	23h. Outputs/Deliverables	*23i. Remarks
3.1	Identify survey locations based on the results of last year's level II EIA on Cypress and San Juan Islands.	3/31/17	COMPLETED	Identify survey locations	Based on the data from our Level II EIA, we identified 12 restoration candidate balds and 3 reference balds in which to do a Level III EIA.
3.2	Coordinate with partners to develop study parameters	3/31/17	COMPLETED	Develop study parameters	Working closely with the state ecologist for Western Washington, we have adapted accepted flexible vegetation survey methods to our particular ecosystem for use in the Level III EIA.
3.3	Develop Level III EIA sampling protocols; QAPP and SOP development	3/31/17	COMPLETED	Consistent sampling methods and data for prairie balds on WaDNR owned lands; QAPP/SOP manuals for data collected	QAPP and SOP completed January of 2017; methods are consistent with those used by WADNR and many other institutions.
3.4	Survey targeted locations; field data collection	3/31/17	CURRENT	GIS based maps indicating location, habitat attributes and EIA rating of selected locations.	Map of proposed Level III EIA balds completed; field work in progress; final maps to be made at end of study.
3.5	Report writing and finding presentations	3/31/17	PLANNED	Reports to inform preservation and restoration strategies; Data summary report	Report writing will take place in Fall 2017, and will entail working with the State ecologist and potentially other experts to determine preservation and restoration strategies.

**CHALLENGES AND SOLUTIONS (specific to reporting period)**

*24a. Task No., Sub-Task No.	*24b. Challenge	*24c. Solution


**HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS**

**\*25.**  
The Level II EIA was highly informative as to the health of the balds and the challenges and opportunities that restoration may present. Further questions include inquiry into tree age studies and more environmental/cultural history of Cypress Island balds.

For the San Juan Island Creosote Clean Up Project, developing the SOP ahead of schedule and getting the QAPP approved has allowed us to begin surveys earlier than anticipated.