



# 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-00J912-01	<b>*2a. Reporting Period Start Date:</b>	4/1/2017	<b>*2b. Reporting Period End Date:</b>	3/31/2018
<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>  Secret Harbor Estuary and Salt Marsh Restoration Monitoring of fresh and marine ecosystems; San Juan Island Creosote Removal and Beach Clean Up Project and San Juan Island Prairie bald habitat assessment pilot project	<b>*6. Collaborating Organizations/Partners</b>  WaDept of Natural Resources, WCC, EarthCorps, Friends of the San Juans			

<b><u>Subawardee Submission Instructions:</u></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> Rachel Norman <b>LO:</b> NWIFC <b>Phone:</b> 360.528.4318 <b>email:</b> rnorman@nwifc.org  <b>EPA Project Officer:</b> Lisa Chang	<b>*7a. Name/Title of Person Submitting Report</b>	Todd Woodard, Director Jodi Bluhm, Field Supervisor
		<b>*7b. Date Report Submitted</b>	4/30/2018

## FUNDING/COST ANALYSIS

8a. Total Assistance Amount Awarded:	\$112,200.00	8b. Funding Year (Federal Fiscal Year Funds Appropriated)	FY 2015 ----- ----- -----	*9. Amount Spent To-Date:	\$112,200.00	*10. Amount Reimbursed To-Date:	\$112,200.00
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	\$40,527.04		\$40,527.04	\$51,228.68		\$51,228.68
Fringe Benefits	\$16,872.81		\$16,872.81	\$20,894.88		\$20,894.88
Travel	\$10,445.15		\$10,445.15	\$5,752.20		\$5,752.20
Equipment	\$0.00		\$ 0.00	\$0.00		\$ 0.00
Supplies	\$2,525.44		\$2,525.44	\$1,723.57		\$1,723.57
Contracts	\$11,000.00		\$11,000.00	\$360.00		\$ 360.00
Other	\$6,302.03		\$6,302.03	\$4,166.67		\$4,166.67
<b>TOTAL DIRECT CHARGES</b>	<b>\$76,672.47</b>		<b>\$76,672.47</b>	<b>\$84,126.00</b>		<b>\$84,126.00</b>
Indirect Charges	\$24,527.53		\$24,527.53	\$28,074.00		\$27,730.82
<b>TOTAL</b>	<b>\$112,200.00</b>		<b>\$112,200.00</b>	<b>\$112,200.00</b>		<b>\$112,200.00</b>
*Explain Any Discrepancies:						

## ECOSYSTEM GOALS ADDRESSED

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

## DIRECT THREATS ADDRESSED

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

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

18a. Primary Strategic Initiative	Tribal Habitat Priorities
18b. Sub-Strategies Employed	B.2.2    B.3    C.1    C.7    C.9    B.1.1    B.2.3    B5.1    B5.2    B5.3    B6    D2    D4.2    D5
18c. Near-Term Actions Supported	B.2.2 NTA 3    N.2.2 NTA 4

## 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")
Beach Restoration Design and Permits	Number	1	3
Beach Restoration Complete	Feet	500	0
Creosote and marine debris removed from beaches	pounds	100000	420000
Prairie Balds surveyed	number	25	41

## 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> Secret Harbor Estuary and Salt Marsh Restoration Monitoring of Fresh and Marine Ecosystems					
<b>23b. 2012 Action Agenda Near-Term Action(s) Supported:</b> B.2.2 NTA 3					
*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
1.1	Plant Survey	9/30/16	COMPLETED	Survey to show plant assemblage and distribution change since project implementation and salt marsh restoration.	Final vegetation survey was completed in June 2015.
1.2	Forage Fish Usage Survey	9/30/16	COMPLETED	Surveys to occur along beaches adjacent to and within restoration Project zone	Final Forage Fish Surveys were completed in February 2016.

1.3	Final Data Report	3/31/2017	COMPLETED	Final project Data Report	Final data report was completed in March 2017 and distributed to WADNR and NWIFC.
1.4	Grant Close Out Report	3/31/2017	COMPLETED	Grant Close Out Reporting	FY15 funds are nearly spent. We anticipate closing the grant within the next reporting period.

<b>23a. Subaward Work Plan Component/Task:</b> San Juan Island Creosote Removal and Beach Clean Up Project					
<b>23b. 2012 Action Agenda Near-Term Action(s) Supported:</b> B.2.2 NTA 3, B.2.2 NTA 4					
<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
2.1	Renew and Extend IAA developed between Samish Indian Nation and Washington State Department of Natural Resources.	9/30/16	COMPLETED	Signed Interagency Agreement between Samish Indian Nation and WA DNR.	Signed by both partners
2.2	Coordinate with partners to perform a minimum of 6 large scale beach clean-up projects in the San Juan Islands by providing transport for Puget Sound Corps Crews to locations and utilizing Samish DNR landing craft to transport debris off beaches to central gathering locations for appropriate disposal	3/31/17	COMPLETED	Cumulative 4 summer total of more than 400,000 lbs of creosote and other marine debris removed from beaches in Puget Sound; Removal of plastic, Styrofoam and other marine debris from Puget Sound Beaches.	Summer of 2016 was again highly successful. We had a meeting with partners to coordinate scheduled clean up days for 2017. This deliverable continues under FY16 funds.
2.3	Perform remote beach surveys on State Owned Aquatic Lands, remove debris as vessel capacity allows and coordinate larger clean-up efforts with project partners including planning survey locations with project partners, performing surveys in coordinated efficient manner, and providing GPS/GIS mapping services.	3/31/17	COMPLETED	Documentation of marine debris removed from San Juan Beaches (tonnage removed); Maps and data concerning existing and future beach clean-up projects.	Maps are up to date and revised to show activities from 2014, 2015, and 2016. Project was presented at Salish Sea Conference in Vancouver BC in April 2016, Restore Americas' Estuaries in New Orleans in December 2016, ESRI Ocean GIS Forum in California in November 2016, and Salish Sea Stewards Coastal Volunteer Partnership in Washington in March 2017. An

					ESRI GIS Story Map was created in March, 2017. The Storymap placed 2nd in the international 2017 Esri Storytelling with Maps Contest in the Conservation, Environment, and Sustainability category. The Storymap also took the Grand Prize in the National 2017 ESRI Tribal Storytelling with Maps Contest. This project continues under FY16 funds.
2.4	Engaging in project reporting and writing final report.	3/31/17	COMPLETED	Project Summary Report	We have summary information in a poster presentation, powerpoint presentation, and an ESRI Story Map. The final written report will be completed at the end of the overall project. This project continues under FY16 funds.

<b>23a. Subaward Work Plan Component/Task:</b> San Juan Islands Prairie Bald Habitat Assessment Pilot Project					
<b>23b. 2012 Action Agenda Near-Term Action(s) Supported:</b> B1.1 NTA 1, B2.1 SJI 10, B2.2 NTA 2, B5.1 NTA 1, B5.3 NTA 1, D2 NTA 1					
<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
3.1	Identify pilot project locations on Cypress, San Juan and other locations in the San Juan Archipelago	9/30/16	COMPLETED	Identify pilot project locations	We have identified and surveyed 25 balds on Cypress Island and 4 prairies on San Juan Island.
3.2	Coordinate with partners to develop study parameters	9/30/16	COMPLETED	Develop study parameters	Survey protocol has been developed and implemented in cooperation with WADNR.
3.3	Develop sampling protocols; QAPP and SOP development	9/30/16	COMPLETED	Consistent sampling methods and data for prairie balds on WaDNR owned lands; QAPP/SOP manuals for data collected	QAPP is approved and training of staff by State Ecologist is complete

.3.4	Survey targeted locations; field data collection	3/31/17	COMPLETED	GIS based maps indicating location and habitat attributes of selected locations.	Level 2 Ecological Integrity Assessment (rapid assessment) completed in June 2016. Level 3 EIA field work initiated 3/31/17.
3.5	Develop relational database	3/31/17	COMPLETED	Relational database allowing easy sharing of data and to house habitat data collected	All data stored in Microsoft Access database. Database shared with WADNR.
3.6	Report writing and finding presentations	3/31/17	COMPLETED	Reports to inform preservation and restoration strategies; Data summary report	Level II EIA report and database complete and shared with WADNR; Level 3 EIA planning complete and field work begun; presentations to occur when all stages of project are complete.

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

*24a. Task No., Sub-Task No.	*24b. Challenge	*24c. Solution
1.2	Weather was a challenge for us this winter. There were many days of severe winds resulting in small craft advisory events during December and January. Because of these storms, we missed 2 survey days.	We attempted to have back up days and used them when feasible.

### HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

<p><b>*25.</b>  We have been grateful for the opportunity to work on the Secret Harbor Restoration project. We gained a strong partner in the Washington State Department of Natural Resources (WDNR) through this initial project. After working together at Secret Harbor, we teamed up to do the Creosote Clean-up project and most recently the Prairie Bald Survey project. We look forward to future opportunities to work with the state and to build new partnerships.</p> <p>The expansion of our Cypress Island work to include the prairie bald research has been a great opportunity to deepen our partnership with WADNR and increase our department's knowledge of the natural history of Samish traditional territory.</p> <p>The Story Map placed 2nd in the international 2017 Esri Storytelling with Maps Contest in the Conservation, Environment, and Sustainability category. The Storymap also took the Grand Prize in the National 2017 ESRI Tribal Storytelling with Maps Contest. The Story Map can be found at this link:  <a href="http://arcg.is/2mq80tM">http://arcg.is/2mq80tM</a></p>
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