



# 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-00J276-01	<b>*2a. Reporting Period Start Date:</b>	4/1/2017	<b>*2b. Reporting Period End Date:</b>	9/30/2017
<b>3. Subaward Organization (Name and complete address including zip code)</b> Name: Swinomish Indian Tribe Address 1: 11430 Moorage Way Address 2: City: La Conner State: WA Zip Code: 98257-			<b>4. Subaward Project Manager Contact Information</b>  Name: Todd Mitchell Phone: (360) 466-7201 Ext: Fax: (360) 466-1615 Email: ttmitchell@swinomish.nsn.us		
<b>5a. EPA Program</b>  LO - Tribal	<b>5b. Subaward Project Title and Contract No.</b>  Swinomish Puget Sound Restoration and Protection Projects: Lone Tree Creek Restoration, Stormwater Monitoring & Fecal Contamination Tracing and Habitat Status and Trends Monitoring for Skagit Salmon Recovery - 16EPA PSP 438		<b>*6. Collaborating Organizations/Partners</b>  Skagit River System Cooperative Thousand Trails Campground Skagit Watershed Council NOAA NWFSC Watershed Program		

<p><b><u>Subawardee Submission Instructions:</u></b></p> <p>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.</p>	<p><b>LO Project Manager:</b> Dani Madrone  <b>LO:</b> Northwest Indian Fisheries Commission  <b>Phone:</b> 360.528.4318  <b>email:</b> dmadrone@nwifc.org</p> <p><b>EPA Project Officer:</b> Lisa Chang</p>	<b>*7a. Name/Title of Person Submitting Report</b>	Nicole Casper
		<b>*7b. Date Report Submitted</b>	10/31/2017

## 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:	\$9,935.25	*10. Amount Reimbursed To-Date:	\$3,706.00
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?	No		
*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	\$9,136.00	\$0.00	\$9,136.00	\$4,003.74		\$4,003.74
Fringe Benefits	\$4,322.00	\$0.00	\$4,322.00	\$2,016.88		\$2,016.88
Travel	\$0.00	\$0.00	\$ 0.00			\$ 0.00
Equipment	\$0.00	\$0.00	\$ 0.00			\$ 0.00
Supplies	\$760.00	\$0.00	\$ 760.00			\$ 0.00
Contracts	\$65,875.00	\$0.00	\$65,875.00	\$3,706.00		\$3,706.00
Other	\$100,141.00	\$0.00	\$100,141.00			\$ 0.00
<b>TOTAL DIRECT CHARGES</b>	\$180,234.00	\$0.00	\$180,234.00			\$ 0.00
Indirect Charges	\$3,866.00	\$0.00	\$3,866.00	\$208.63		\$ 208.63
<b>TOTAL</b>	\$184,100.00	(\$0.00)	\$184,100.00	\$9,935.25	\$0.00	\$9,935.25
*Explain Any Discrepancies:						

## ECOSYSTEM GOALS ADDRESSED

16a. Primary Goal	Healthy Habitat
16b. Additional Goals	-----

## DIRECT THREATS ADDRESSED

17a. Primary Threat	-----
17b. Secondary Threat(s)	-----

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

18a. Primary Strategic Initiative	Tribal Habitat Priorities
18b. Sub-Strategies Employed	2.2 19.1 21.4 25.2
18c. Near-Term Actions Supported	

## LINKAGES TO EPA PUGET SOUND PERFORMANCE MEASURES

19. Measure(s)	-----
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## LINKAGES TO PUGET SOUND DASHBOARD INDICATORS

20a. Primary Indicator	Wild Chinook Salmon
20b. Secondary Indicators	-----

## PROJECT LOCATION

21a. Latitude	48.406908	21b. Longitude	-122.555288
21c. Hydrologic Unit Code	17110007 - Lower Skagit	-----	-----
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")
stormwater sampling sites monitored	sites	6	6
storm events sampled	storm events	4	2
receiving waterbodies in dataset	waterbodies	4	5
habitat indicators selected and vetted	habitat indicators	12	11

## 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> Lone Tree Creek Restoration					
<b>23b. 2012 Action Agenda Near-Term Action(s) Supported:</b> D.4.1 NTA 1					
<b>*23c. Estimated Costs:</b> <b>Actual Costs to Date:</b> \$0.00 <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	Pre-construction design, site survey, archaeological investigation	10/24/2017	PLANNED	Design, site survey and investigations complete	engineering and permitting scheduling is being worked out based on coordination with other funding sources and may extend overall timeline - under assessment.
1.2	Excavate 800 LF meandering channel and floodplain	10/24/2017	PLANNED	800 LF fish-accessible meandering stream channel created	

1.3	Install 3 fish-passable culverts	10/24/2017	PLANNED	3 fish-passable culverts installed, replacing fish-blocking culverts	
1.4	Decommission 600LF of W. Loop Road and existing portion of Lone Tree Creek	10/24/2017	PLANNED	600LF Decommissioned	
1.5	Installation of woody debris in streambed and riparian buffer on 2 banks of new Lone Tree Creek	10/24/2017	PLANNED	Woody debris and riparian buffer installed in and along 800 LF of channel; Completed third and final phase of Lone Tree Creek restoration: restored fish access and habitat, natural hydrography and natively vegetated riparian habitat along 800 LF of Lone Tree Creek (1950 LF overall); Bi-annual performance report	

**23a. Subaward Work Plan Component/Task:** Stormwater Monitoring & Fecal Contamination

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

**\*23c. Estimated Costs:** \$9,935.25

**Actual Costs to Date:** \$9,935.25

**(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	Use drainage maps and recon to identify more sampling sites and receiving waterbodies to include in monitoring program	3/2/2017	COMPLETED	Additional sites/sources identified	
2.2	Develop NWIFC-approved QAPP	2/27/2017	COMPLETED	Approved QAPP	
2.3	Implement data collection targeting wet season and dry season storm events for sampling	10/24/2017	CURRENT	Expanded stormwater dataset encompassing 4 Reservation receiving waterbodies	3 out of 4 events targeted
2.4	Utilize a scent-trained canine for precision tracking of human bacterial contamination at outfalls and related drainages.	10/24/2017	PLANNED	6 more stormwater sampling sites/outfalls sampled discharging to 2 Reservation	originally planned for Sept 2017 but postponed until 2018 to incorporate more data

				waterbodies during at least 4 storm events, 16 parameters sampled	
2.5	Data analysis	10/24/2017	PLANNED	Assessment of stormwater pollutants into Reservation waterbodies and potential sources; Development of preliminary plan for next phase of stormwater monitoring; Development of action plan to bring stormwater into compliance with Swinomish Water Quality Standard Code.	on track for 12/31/17

**23a. Subaward Work Plan Component/Task:** Habitat Status and Trends Monitoring for Skagit Salmon and Steelhead Recovery

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

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

**Actual Costs to Date:** 0

**(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 the suite of habitat indicators to measure	10/26/17	CURRENT	List of habitat indicators	Eleven of 12 indicators have been selected for monitoring and vetted with the local watershed (i.e., tribal and state co-managers, watershed lead entity) and Puget Sound region (i.e., NOAA and PSP). The riparian indicator(s) have yet to be selected and vetted. This task is on schedule for completion 12/31/17.
3.2	Develop monitoring protocols for each indicator	10/26/17	CURRENT	Detailed methods for indicators	Monitoring protocols for each selected indicator were previously established through the Puget Sound Chinook Recovery Plan process (evaluated and approved

					by NOAA Fisheries) or PSP Salmon Recovery Plan Monitoring process. We will need to translate these protocols into an approved QAPP. This task is on schedule for completion 12/31/17.
3.3	Develop a monitoring schedule (i.e., which years to measure specific indicators)	10/26/17	CURRENT	Long-term schedule for monitoring indicators, Approved QAPP, Monitoring plan to local watershed (i.e., tribal and state co-managers, watershed lead entity) and Puget Sound region (i.e., NOAA and PSP)	This task is on schedule for completion 12/31/17.
3.4	Provide habitat indicator results for a time period	10/26/17	PLANNED	Annual report on habitat status and trends for identified indicators in Task 1	This task is on schedule for completion 9/30/18

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

*24a. Task No., Sub-Task No.	*24b. Challenge	*24c. Solution
3.1 Identify the suite of habitat indicators to measure	timely approval of the subaward to enable work	revised project timeline for task from end of May 2017 to end of December 2017
3.2 Develop monitoring protocols for each indicator	timely approval of the subaward to enable work	revised project timeline for task from end of August 2017 to end of December 2017
3.3 Develop a monitoring schedule (i.e., which years to measure specific indicators)	timely approval of the subaward to enable work	revised project timeline for task from end of August 2017 to end of December 2017
3.4 Provide habitat indicator results for a time period	timely approval of the subaward to enable work	revised project timeline for task from end of March 2018 to end of September 2018
2.1 Use drainage maps and recon to identify more sampling sites and receiving waterbodies to include in monitoring program	drainage maps are not comprehensive, not always easy to select best sampling spot for runoff	lots of recon and continued filling in data gaps, trial and error
2.3 Implement data collection targeting wet season and dry season storm events for sampling	storm timing can be difficult to coordinate with work hours, not all events produce runoff at all sites	extended timeline for storm events and not all storm events produced data for all sites

### HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

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Extended timelines have been needed to allow for additional data collection for maximized reporting and analysis