



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

1. Federal Grant Number	PA-00J276-01	*2a. Reporting Period Start Date:	5/1/2018	*2b. Reporting Period End Date:	9/30/2018
3. Subaward Organization (Name and complete address including zip code) Name: Swinomish Indian Tribe Address 1: 11430 Moorage Way Address 2: City: La Conner State: WA Zip Code: 98257-			4. Subaward Project Manager Contact Information Name: Todd Mitchell Phone: (360) 466-7201 Ext: Fax: (360) 466-1615 Email: ttmitchell@swinomish.nsn.us		
5a. EPA Program LO - Tribal	5b. Subaward Project Title and Contract No. 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		*6. Collaborating Organizations/Partners Skagit River System Cooperative Thousand Trails Campground Skagit Watershed Council NOAA NWFSC Watershed Program		

<p><u>Subawardee Submission Instructions:</u></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>LO Project Manager: Dani Madrone LO: Northwest Indian Fisheries Commission Phone: 360.528.4318 email: dmadrone@nwifc.org</p> <p>EPA Project Officer: Lisa Chang</p>	*7a. Name/Title of Person Submitting Report	Nicole Casper
		*7b. Date Report Submitted	10/31/2018

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:	\$83,876.26	*10. Amount Reimbursed To-Date:	\$75,949.76
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	\$8,069.64		\$8,069.64
Fringe Benefits	\$4,322.00	\$0.00	\$4,322.00	\$3,964.69		\$3,964.69
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	\$471.68		\$ 471.68
Contracts	\$65,875.00	\$0.00	\$65,875.00	\$16,457.00		\$16,457.00
Other	\$100,141.00	\$0.00	\$100,141.00	\$53,804.83		\$53,804.83
TOTAL DIRECT CHARGES	\$180,234.00	\$0.00	\$180,234.00	\$82,767.84		\$82,767.84
Indirect Charges	\$3,866.00	\$0.00	\$3,866.00	\$1,108.42		\$1,108.42
TOTAL	\$184,100.00	(\$0.00)	\$184,100.00	\$83,876.26	\$0.00	\$83,876.26
*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	6
receiving waterbodies in dataset	waterbodies	4	5
habitat indicators selected and vetted	habitat indicators	12	12

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.

23a. Subaward Work Plan Component/Task: Lone Tree Creek Restoration					
23b. 2012 Action Agenda Near-Term Action(s) Supported: D.4.1 NTA 1					
*23c. Estimated Costs: Actual Costs to Date: \$0.00 (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	Pre-construction design, site survey, archaeological investigation	10/22/2018	BEHIND SCHEDULE	Site survey and investigations complete	Permitting and design considerations are extending the timeline as a result of site investigations. Design should be finalized by next reporting period.
1.2	Excavate 800 LF meandering channel and floodplain	10/22/2018	PLANNED	800 LF fish-accessible meandering stream channel created	

1.3	Install 3 fish-passable culverts	10/22/2018	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	10/22/2018	PLANNED	600LF Decommissioned	
1.5	Installation of woody debris in streambed and riparian buffer on 2 banks of new Lone Tree Creek	10/22/2018	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	10/22/2018	CURRENT	Expanded stormwater dataset encompassing 4 Reservation receiving waterbodies 6 more stormwater sampling sites/outfalls sampled discharging to 2	6 out of 4 events targeted, funds remaining due to not all targeted sites flowing during each event. May target one more storm event, weather permitting.

				Reservation waterbodies during at least 4 storm events, 16 parameters sampled	
2.4	Utilize a scent-trained canine for precision tracking of human bacterial contamination at outfalls and related drainages.	10/22/2018	COMPLETED	Total of 78 sites in 4 watersheds on Reservation targeted for sewage contamination by scent trained canine	Interpretation of results in process
2.5	Data analysis	4/30/2018	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.	data collection still underway, funds still remaining for one more event, data analysis to be conducted after data collection is complete

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:** \$100,011.00

Actual Costs to Date: \$55,139.07

(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	4/30/18	COMPLETED	List of habitat indicators	All 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).
3.2	Develop monitoring protocols for each indicator	9/30/18	BEHIND SCHEDULE	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 behind schedule for completion 9/30/18. See section 24 below for solution.
3.3	Develop a monitoring schedule (i.e., which years to measure specific indicators)	9/30/18	BEHIND SCHEDULE	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 behind schedule for completion 9/30/18. See section 24 below for solution.
3.4	Provide habitat indicator results for a time period	9/30/18	PLANNED	Annual report on habitat status and trends for identified indicators in Task 1	This task is on schedule for completion 4/30/19. See section 24 below for adaptation of completion date due to sequencing of prior tasks.

CHALLENGES AND SOLUTIONS (specific to reporting period)

*24a. Task No., Sub-Task No.	*24b. Challenge	*24c. Solution
1.1 Pre-construction design, site survey, archaeological investigation	Site investigations brought new information to light which then potentially change the project design.	Due diligence will be applied to exploring new design possibilities before permit applications are submitted
3.2 Develop monitoring protocols for each indicator	SRSC is still experiencing loss of staff capability to complete Tasks 3.2-3.4. The causes for lost capability were both foreseen (a retirement) and unforeseen (2 deaths - an auto accident and sudden decline in an employee with cancer). All three instances occurred over a period of months (December 2017 -April 2018) making it impossible to maintain paces on all scopes of work. All three 'lost' staff members worked within the SRSC program assigned to complete this task, among many other tasks. SRSC was unable to rehire or	The solution includes 3 steps: Step 1 is to hire 2 new staff members. As of 4/30/18 one staff was has hired but the other position was not hired until end of Sept 2018. Step 2 was to re-assign existing staff to complete the task. We began implementing this step in February 2018 but we were been unable to complete it until the 2 nd new staff member (step 1)

	re-assign existing staff quickly enough to complete this task (3.2) and tasks 3.3-3.4 on time.	was hired. Thus, full transition of work assignments were not possible until October 2018. Step 3 is to revise the task timeline from end of September 2018 to December 2018 now that we are fully functioning as a program and can complete this task.
3.3 Develop a monitoring schedule (i.e., which years to measure specific indicators)	See challenge described above for Task 3.2.	See solutions described above for Task 3.2.
3.4 Provide habitat indicator results for a time period	Completion of this task has been delayed until Tasks 3.2 and 3.3 are completed. See challenge described above for Task 3.2.	Revise project timeline for this task from 12/31/18 to end of April 30, 2019
2.4 Utilize a scent-trained canine for precision tracking of human bacterial contamination at outfalls and related drainages	bacterial sampling and canine data don't neatly match up making data interpretation more complex	Will not have straightforward results to point to next steps or action plan.

HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

<p>*25.</p> <p>1.1 A very complex utility infrastructure in the project area is making finalizing a project design difficult, with various cost and permitting considerations.</p> <p>2.4 Sometimes more data complicates interpretation rather than clarifying it.</p>
