



## 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>	-00J912-01	<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: Puyallup Tribe of Indians Address 1: 3009 E. Portland Ave. Address 2: City: Tacoma State: WA Zip Code: 98404-			<b>4. Subaward Project Manager Contact Information</b>  Name: Char Naylor Phone: (253) 680-5520 Ext: Fax: (253) 680-5525 Email: char.naylor@puyalluptribe.com		
<b>5a. EPA Program</b>  <b>LO - Tribal</b>		<b>5b. Subaward Project Title and Contract No.</b>  FY-2014 Tribal Implementation Projects to Protect and Restore Puget Sound / 14PSP EPA420		<b>*6. Collaborating Organizations/Partners</b>  City of Puyallup Pierce Conservation District WDFW	

<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>	Char Naylor, Water Program Mgr
		<b>*7b. Date Report Submitted</b>	1/5/2018

## FUNDING/COST ANALYSIS

8a. Total Assistance Amount Awarded:	\$112,450.00	8b. Funding Year (Federal Fiscal Year Funds Appropriated)	FY 2014 ----- ----- -----	*9. Amount Spent To-Date:	\$111,202.14	*10. Amount Reimbursed To-Date:	\$111,202.14
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	\$18,802.00		\$18,802.00	\$20,412.11		\$20,412.11
Fringe Benefits	\$3,652.00		\$3,652.00	\$4,864.27		\$4,864.27
Travel	\$0.00		\$ 0.00			\$ 0.00
Equipment	\$0.00		\$ 0.00			\$ 0.00
Supplies	\$0.00		\$ 0.00			\$ 0.00
Contracts	\$84,752.00		\$84,752.00	\$80,681.76		\$80,681.76
Other	\$0.00		\$ 0.00			\$ 0.00
<b>TOTAL DIRECT CHARGES</b>	<b>\$107,206.00</b>		<b>\$107,206.00</b>	<b>\$105,958.14</b>		<b>\$105,958.14</b>
Indirect Charges	\$5,244.00		\$5,244.00	\$5,244.00		\$5,244.00
<b>TOTAL</b>	<b>\$112,450.00</b>		<b>\$112,450.00</b>	<b>\$111,202.14</b>		<b>\$111,202.14</b>
*Explain Any Discrepancies:	Final invoices from project contractor and project oversight time are included in the above project for this final report. Final Invoice, signed 12/29/2017 in the amount of \$22,742.50 and summary budget are attached to this submittal for reference.					

## ECOSYSTEM GOALS ADDRESSED

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

## DIRECT THREATS ADDRESSED

17a. Primary Threat	Surface Water Loading/Runoff from the Built Env
17b. Secondary Threat(s)	Invasive Species - Terrestrial    -----    -----

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

18a. Primary Strategic Initiative	Tribal Habitat Priorities
18b. Sub-Strategies Employed	C.2.4    C.9.1    A.2.2    B.5.3
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	Freshwater Quality
20b. Secondary Indicators	Wild Chinook Salmon    -----    -----

## PROJECT LOCATION

21a. Latitude	47.1711922	21b. Longitude	-122.3214951
21c. Hydrologic Unit Code	17110014 - Puyallup	-----	-----
21d. Action Area	South Central Puget Sound	-----	-----

## 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")
Completion of engineering design and specification plans for 2 channel stabilization projects. (City of Puyallup is building projects summer of 2017 - construction not included in this grant funding.)	plan	1	1
Completion of 2 riparian projects on tribal land - >1,000 native plantings and > 200 live stakes	plantings	2	2
Completion of additional landscaping and planting and debris removal at tribal hatchery with overage funds	plantings	600	600
Completion of cultural assessment with overage funds requested by COE for permitting	study	1	1

## 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> Phase II Engineering: Clarks Creek Stabilization Projects					
<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	Develop amendment to Phase I contract, the NWIFC FY13 contract and/or work plan, and final statement of work for consultant to conduct Phase II tasks. Additional funds in this budget remaining were used by extending	9/30/2016	COMPLETED	Contract amendments, modified NWIFC contract work plan, and statement of work and budget.	Phase II scope of work and budget were previously completed and attached for reference.

	<p>riparian planting effort to tribal hatchery across from the tribal wildlife property. Unused funds were also used to conduct a cultural assessment for Clarks Creek stabilization project. This was required by Corps of engineers for permitting purposes. The project was competitively bid with tribe securing multiple bids for the assessment. A contract was prepared by our cultural resources specialist and attorney and signed by Tribal Council.</p>				
1.2	<p>Provide project management oversight, including coordination with contractors (Natural Systems Design, Cultural Resources Contractor), City of Puyallup, and WDFW during Phase II of the project.</p>	9/30/2016	COMPLETED	<p>Project management documentation, including monthly progress reports, telecommunication notes, and task and budget completion % per project schedule.</p>	<p>Project management and oversight included attendance of technical meetings with the stakeholders and agencies, review of deliverables (plans, specifications and technical memos), and review and payment of invoices. Review notes regarding deliverables have included methods for mobilization and access road for heavy equipment, refinement of project costs (construction about \$2 million), request to quantify sediment reduction benefit in final technical memorandum (see below), and invoices/% completion. The project is complete and deliverables have been submitted with progress reports to meet the obligations of the grant. With remaining monies, provided oversight of planting additional 600 plantings at tribal hatchery across street from tribal wildlife property. Invoice for hatchery planting was submitted and paid. Coordinated with Tribal cultural expert to complete cultural assessment for stabilization project required by COE and reviewed and paid invoice. This cycle staff coordinated with City of</p>

					Puyallup and contractor to help make transition between tribe and city for 100% design (which City mandated so no change orders) and construction. Coordinated again recently with contractor to ensure project built in summer 2018.
1.3	Review project deliverables including final plans and specifications, cost estimates, and permitting applications. Provide and coordinate comments on deliverables with project partners for integration into revised plan sets.	9/30/2016	COMPLETED	Comments on key deliverables including: technical memorandum summary analysis, final engineering plan sets, and permit application package.	The final deliverables for this project include: final (90% engineering and landscaping plans), basis of design memorandum that includes sediment reduction benefits, and permit application package. The Tribe also was requested to do a cultural assessment that was completed for this project at the request of the Corps of Engineers. The cultural assessment wasn't included in this scope of work nor funded with funds from this grant. The deliverables referenced above were previously attached to prior reports for reference. The cultural assessment was previously attached for reference as well as pictures of the additional planting at the weir of the Tribe's hatchery.
1.4	Project coordination and meeting facilitation.	9/30/2016	COMPLETED	At least 4 meetings will be completed to discuss summary technical analysis, 60% and 90% plan sets, and permit package and agency communication; Meeting materials, notes, and communications with partners and permitting agencies.	There were 4 technical and agency meetings held at the Tribe's hatchery for this project including kickoff and discussion of conceptual design and construction alternatives; review of 30% plans; physical model review; review of 60% plans, and review of 90% plans, construction cost estimate, and permit package. The City of Puyallup will take sponsorship of project over to prep area for construction in summer of 2017. They plan to go out for construction bids in March

					2018. The total project when constructed is expected to cost over \$2 million dollars. The city was delayed in going out to bids for this project because of staffing and workload issues. The City has recently assured the Tribe the project will be constructed in summer 2018. All of the Tribe's deliverables for this project have been previously submitted. Final ontractor invoices and admin project oversight costs are included in the total expenses itemized in the above budget.
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<b>23a. Subaward Work Plan Component/Task:</b> Riparian Planting on Tribal Lands 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	Engage in a contract with the Pierce Conservation District to develop a planting plan, site preparation in coordination with the Washington Conservation Corps, scoping the types and numbers of plants, tubes, stakes, burlap bags, mulch, and flagging for planting (all of which will be rolled into the planting plan), timing and sequencing of planting Sites A,B, C and D (as shown on figure previously included), and coordination with tribal staff and school to conduct planting.Coordinated with landscaper to bark, mulch, and plant riparian area at tribal hatchery.	9/30/2016	COMPLETED	Project management documentation, including monthly progress reports, invoices by task and % budget completion (per project schedule).	The contract and scope of work and budget was attached to prior report for reference purposes. The scope covers measurement of the site which was completed in the fall and spring before each of the 2 plantings occurred on the Tribe's wildlife property; site prep which included mowing, herbicide application and coordination;; grubbing, invasive weed removal. The Washington Conservation Corps and the City of Tacoma's work crew worked several days to prep site and then after planting, spread bark around the native plantings. The crew days far

					exceeded the commitment in the contract. Work days beyond contract terms were donated to Tribe by Pierce Conservation District. Work is completed - both planned riparian plantings on the north and south sides of the tribal wildlife property are completed. Tribal staff and volunteers were recruited for both plantings. We also coordinated with Chief Leschi school. Confirmation of final billings from the Pierce Conservation District and Washington Conservation Corps have been completed. With remaining funds, we also planted an additional 600 plants, barked and mulched riparian swath near hatchery weir approx 62,500 sq ft.
1.2	Review project deliverables including development of planting plan. Provide comments to Conservation District for integration into plan.	9/30/2016	COMPLETED	Draft and final planting plans; Tribal comments	The tribal wildlife planting plan was included in prior report for reference purposes. Included in the plan were two maps that show the sequencing areas for both the northside and southside plantings, the approximate square footage of each section for estimating the number of plants needed, and the planting list. Upon planning, the right banks of area A and D were not planted because the tribe does not own the right bank of area A and the low elevations contributing to boggy conditions and difficulty in access of the right bank of area D precluded safe access by volunteers. Tribal hatchery riparian area also planted with additional 600 plants, barked, and mulched. Debris removal included.
1.3	Review draft project deliverables including plans and specifications, cost estimates. Provide to contractor for	9/30/2016	COMPLETED	Coordination with Pierce Conservation District, Conservation	Project meetings and site visits were held in the fall with Pierce Conservation District staff before



	integration into final deliverables. Coordinate other entity comments with the contractor			Corps crews and landscaper; site prep oversight.	the October and spring plantings. Planning and volunteer logistics were also completed before each planting with flyers sent out. The spring flyer was attached to prior report for reference. Coordinated Conservation Corps staffing for site prep (grubbing, pulling blackberries, cutting grass, herbicide application, etc), and mulching and laying down burlap sacks beneath the planting starts to keep the weeds down. Also coordinated with landscaper for site prep (blackberry removal, mulch and bark) and planting of riparian area by hatchery weir. Blackberries were also removed.
1.4	Project coordination, including meeting up to 2 times with Conservation District staff to discuss planting plan comments and preparation for coordinating tribal and community volunteers to do the planting at the tribal site Also met with landscaper to oversee site prep and planting and debris removal at tribal hatchery site.	9/30/2016	COMPLETED	2 meetings held to discuss planting plan and project implementation; Meeting notes. One meeting with landscaper to discuss tribal hatchery planting.	Site visits were held with Pierce Conservation District in the fall and spring prior to each planting. Two plantings were completed in October 2015 and April 2016 on the south and north sides of the tribal wildlife property. In all, over 1,600 plants were installed on tribal property, with over 200 live stake cuttings. All deliverables associated with this project have been completed. About 30 volunteers were at each planting event. An additional 600 plants were planted at the tribal hatchery. All invoices for the wildlife and tribal hatchery plantings have been processed. Pictures of the planting area at the tribal hatchery were attached to prior report for reference.

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

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


**HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS**

**\*25.**  
Note: In all, we planted about 2,400 plants within the riparian corridor of Clarks Creek which is impaired ofr sediment and dissolved oxygen, and as a result, has targets for additional shading to help meet dissolved oxygen requirements. The hatchery planting was done with remaining funds leftover after the wildlife plantings that were initaly scoped were completed. Additionally, we also completed 30/60/90% engineering and landscaping plans, specifications, and cost estimates for the Clarks Creek channel and bank stabilization project. We also completed permitting package and distributed to agencies for review. With unused funds for this portion of the project, we completed a cultural assessment at the request of the Corps of Engineers during the permitting review. At the writing of this report, we are waiting for the Corps to complete their review of the cultural assessment for this project. The City of Puyallup will construct the project in the summer of 2017. It is expected to extend about 1,900 lineal feet in upper main stem and tributary of Clarks Creek. The prject is expected to reduce about a100 tons of sediment annually through treatments and storage. Methods for construction include a novel "reverse logging" approach with logging guide wires to access steep incised ravine to deliver wood needed for the project.