



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-00J912-01	*2a. Reporting Period Start Date:	4/1/2016	*2b. Reporting Period End Date:	9/30/2016
3. Subaward Organization (Name and complete address including zip code) Name: Stillaguamish Tribe of Indians Address 1: P.O. Box 277 Address 2: City: Arlington State: WA Zip Code: 98223-			4. Subaward Project Manager Contact Information Name: Ragina Gray Phone: (360) 722-5643 Ext: Fax: (360) 435-3605 Email: ggray@stillaguamish.com		
5a. EPA Program LO - Tribal	5b. Subaward Project Title and Contract No. Stillaguamish Tribe 2014 Restoration and Protection Priorities / 14EPA PSP434		*6. Collaborating Organizations/Partners		

<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: Tiffany Waters LO: NWIFC Phone: 360.528.4318 email: twaters@nwifc.org</p> <p>LO Program Coordinator: LO: Phone: email:</p> <p>EPA Project Officer: Lisa Chang</p>	*7a. Name/Title of Person Submitting Report	Ragina Gray Director of Natural Resources
		*7b. Date Report Submitted	10/31/2016

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:	\$75,445.65	*10. Amount Reimbursed To-Date:	\$75,445.65
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	\$47,662.52	\$0.00	\$47,662.52	\$35,391.60		\$35,391.60
Fringe Benefits	\$16,777.21	\$0.00	\$16,777.21	\$10,327.94		\$10,327.94
Travel	\$2,560.00	\$0.00	\$2,560.00	\$1,337.84		\$1,337.84
Equipment	\$3,590.00	\$0.00	\$3,590.00	\$1,415.25		\$1,415.25
Supplies	\$7,517.00	\$0.00	\$7,517.00	\$5,630.09		\$5,630.09
Contracts	\$11,500.00	\$0.00	\$11,500.00	\$4,381.89		\$4,381.89
Other	\$140.00	\$0.00	\$ 140.00	\$143.31		\$ 143.31
TOTAL DIRECT CHARGES	\$89,746.73	\$0.00	\$89,746.73	\$58,627.92		\$58,627.92
Indirect Charges	\$22,703.74	\$0.00	\$22,703.74	\$16,817.73		\$16,817.73
TOTAL	\$112,450.00	\$0.00	\$112,450.00	\$75,445.65		\$75,445.65
*Explain Any Discrepancies:	Contracts on this form includes "Sub-Contracts" and "Professional Services" lines in the original budget narrative. "Communications / Utilities" is included here under Other.					

ECOSYSTEM GOALS ADDRESSED

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

DIRECT THREATS ADDRESSED

17a. Primary Threat	Invasive Species - Terrestrial
17b. Secondary Threat(s)	----- Unsustainable Fishing/Harvesting -----

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.7.1 C.9.3 D.6.1 A.6.1 B.5.3 A.5.4
18c. Near-Term Actions Supported	D 5.1, 5.2, 5.3, D 6.1, 6.2, 6.3, 6.4, D 7.1, 7.5

LINKAGES TO EPA PUGET SOUND PERFORMANCE MEASURES

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

20a. Primary Indicator	Marine Water Quality
20b. Secondary Indicators	Wild Chinook Salmon Floodplains Freshwater Quality

PROJECT LOCATION

21a. Latitude	48.215923	21b. Longitude	-122.184978
21c. Hydrologic Unit Code	17110008 - Stillaguamish	-----	-----
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")
TASK 1 - Host regional public outreach events to address water quality and salmon protection and restoration in the watershed	events	4	5
TASK 1 - Provide salmon lessons and field trips to elementary schools in the watershed	lessons/field trips	19	22
TASK 2 - Phytoplankton monitoring	events (days)	40	28
TASK 2 - Water quality data collection and dispensation	events (hours)	7200	820
TASK 3 - Reduce biomass of non-native, invasive weeds at the worksite	acres	3	3
TASK 3 - Expand area of native riparian forest at the worksite	acres	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.

23a. Subaward Work Plan Component/Task: Stillaguamish Tribal Education and Outreach Program					
23b. 2012 Action Agenda Near-Term Action(s) Supported: D 5.1, 5.2, 5.3, 6.1, 6.2, 6.3, 6.4, 7.1, 7.5					
*23c. Estimated Costs: \$57,857.03 Actual Costs to Date: \$46,429.09 (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	Host 4 regional public outreach events which include the Stillaguamish Tribe Festival of the River, Earthday Event, Camocean and Salmon Homecoming Seattle	09/30/2016	CURRENT	Four public outreach events completed	So far with this funding we have attended Snow Goose Festival & Storming the Sound, Eagle Festival, and hosted the Stillaguamish Festival of the River, Seattle Salmon Homecoming education days.
1.2	Plan and implement salmon protection and watershed health education	09/30/2016	CURRENT	A total of 16 in-class lessons, 1 service	Organized and led a one week tribal youth natural resources

	education in 4 schools, 4 in-class lessons (March, April and June) and 3 field components, one that includes service learning via local watershed restoration projects, 2 education based fieldtrips (May/June), and 2 summer youth science camps			learning field day, 2 field trips, and 2 summer youth science camps completed	education event during spring break. Led 4 in-class lessons on water quality/pollution and land-use for 3-5 grade level classes, led 4 education based field trips and 2 summer youth science camps in the watershed for a total of 22.
1.3	Supervise AmeriCorps volunteer who will help build capacity in outreach efforts such as outreach and education impact data collection, volunteer recruitment and expansion of outreach and education programming into more schools and events in the Stillaguamish Watershed.	09/30/2016	CURRENT	Expansion of the Outreach and Education program into 2 additional schools or 2 additional grade levels in existing schools and 1 new public outreach event; Data collection techniques designed and implemented for education and outreach projects; Recruitment and management of 10 new volunteers for all O&E activities; End of school year impact data report	Planning with the Stillaguamish Watershed fisheries enhancement group, Sound Salmon Solutions resulted in an additional 2 volunteers and 2 new field days that include a restoration/stewardship component. They happened in May of 2016. Data Collection techniques are being used and adjusted as necessary. This year instead of AmeriCorps we were able to hire a technician to assist with the O&E program, 25% of his time will be dedicated to O&E. This funding helped build this capacity.

23a. Subaward Work Plan Component/Task: Stillaguamish Tribe Marine Water Quality Monitoring					
23b. 2012 Action Agenda Near-Term Action(s) Supported: C6.1, 6.2: Continue to monitor swimming beaches and fund shellfish and fish advisory monitoring and advisory programs. E.3.1. Sustain ongoing monitoring programs to provide status, trend and effectiveness information to inform State of the Sound reporting and other synthesis.					
*23c. Estimated Costs: \$29,556.93 Actual Costs to Date: \$8,733.17 (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	Write a Quality Assurance Project Plan Addendum	9/30/16	CURRENT	Approved QAPP Addendum; Monitoring readiness	In progress. First submittal was not accepted by the EPA.
2.2	Begin monitoring for HABs, bi-weekly November through March, and weekly April through October	9/30/16	CURRENT	Identification of HAB species and concentrations present in the localized area of	This data is now available publicly through the Tribal website, per grant reviewers request.

				Port Susan seasonally; Phytoplankton observations uploaded into the Sound Toxins database weekly.	
2.3	Continue to perform monthly maintenance and calibration of water quality monitoring buoy and probe	9/30/16	CURRENT	Successful acquisition of water quality data	
2.4	Download and analyze data for proper probe performance; link data to NANOOS visualization system for public access	9/30/16	CURRENT	Marine water quality data available to scientists and the general public via NANOOS; Hydrolab data also uploaded to STORET.	

23a. Subaward Work Plan Component/Task: Riparian Restoration Crew					
23b. 2012 Action Agenda Near-Term Action(s) Supported: A2.2, B5.3					
*23c. Estimated Costs: \$25,036.50 Actual Costs to Date: \$20,283.39 (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	Control invasive and/or noxious weeds (e.g. reed canarygrass, blackberry, thistles) at work sites utilizing a combination of manual, mechanical, and chemical methods.	9/30/2016	CURRENT	Reduced biomass of non-native, invasive weeds (3.5 acres).	Weeds controlled include Himalayan blackberry, Canada thistle, reed canarygrass.
3.2	Complete restoration planting in the weed control area adjacent to Fish Creek. Based on field observations of previously planted stock, herbivore deterrents (e.g. temporary fencing) may be installed around highly palatable species.	9/30/2016	CURRENT	Expanded area of native riparian forest at the worksite (1.15 acres).	Planted 1,000 plants in the worksite.

CHALLENGES AND SOLUTIONS (specific to reporting period)

*24a. Task No., Sub-Task No.	*24b. Challenge	*24c. Solution
Task 1	expanding into new schools	<p>3-31-2016: We have found that rather than expanding into new schools the students retain more if we expand into additional grades. We have chosen to work with 3-5 grades in the same school. The teachers have provided feedback that this enhances the learning experience for the students. We are working on expanding into one additional school and using the same strategy, providing lessons for grades 3-5. We continue our outreach effort to expand into 2 additional schools this coming school year.</p> <p>9-30-2016: It was challenging to utilize AmeriCorps volunteers in the O&E position. Someone had to be trained every year. The solution was to utilize Sound Salmon Solution's education staff to assist in the classroom and with field trips. In addition we hired a new technician that will assist O&E at about 25% FTE. This is working very well as the new technician won't need to be retrained each year and is ready to lead lessons this coming school year.</p>
Task 2	None for this period	
Task 3	Weed control was completed by a offenders crew from Monroe Corrections Complex. Training the crew was a challenge but once they understood the site and the Tribe's expectations the work proceeded smoothly.	The Riparian Ecologist spent several days with the MCC crew to ensure an efficient transition between work previously done by the Sound Salmon Solutions crew.

HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

<p>*25. Task 1: 3/31/2016 - Working with the local fisheries enhancement group (Sound Salmon Solutions) has expanded our capacity and led to the development and collaboration of new lessons and field trips available to schools in the watershed. Data collection efforts are proceeding and we have incorporated partner data</p>
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so we can identify gaps in our efforts in the watershed and work more closely with all organizations that provide lessons, field trips and service events in the watershed.

9/30/2016 - At this years Festival of the River we decided to bring together all the water quality/salmon educators into one large booth. We invited Sound Salmon Solutions, NWIFC, Salmon Defence and Stillaguamish Natural Resources into the same large booth. We had sediment tables in front to bring people in and we set up a salmon obstacle course around the entire tent. This was a huge success, all the organizations enjoyed working together and we found that we were able to attract more families into the booth. Next year we will use the same strategy, a larger booth and invite more of our education partners into the booth.

Task 2: Only two of the species of concern were found in Port Susan waters during this period: Pseudo-nitzchia, which approached concentration levels of concern in May and June but never to reportable values. Dinophysis was found during one April sampling.. Diatom species that reached bloom status were Cylindrotheca and Thalassiosira. Additional project highlights were educational in nature: Project staff interacted with 70 people this summer about the sampling project, and also provided a spontaneous presentation to a group of about 30 Arlington fourth graders who were on a field trip with Beachwatchers.

Task 3: The highlight was working with Monroe Corrections Complex offenders crew. They did a thorough job completing the weed control. The site is looking good as we transition from a weed-dominated plant community to a native vegetation community. We did document some plant mortality so we anticipate doing a supplemental planting this winter.