



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:	4/1/2018	*2b. Reporting Period End Date:	9/30/2018
3. Subaward Organization (Name and complete address including zip code) Name: Snoqualmie Indian Tribe Address 1: 8130 Railroad Ave. Ste. 103 Address 2: City: Snoqualmie State: WA Zip Code: 98065-			4. Subaward Project Manager Contact Information Name: Cindy Spiry Phone: (425) 292-249 Ext: Fax: (206) 384-6588 Email: cindy@snoqualmiation.com		
5a. EPA Program LO - Tribal		5b. Subaward Project Title and Contract No. Snoqualmie & Sammamish Stewardship Action Project / 14EPA PSP446		*6. Collaborating Organizations/Partners King County Parks, Stewardship Partners, Mountains to Sound Greenway Trust	

<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	Cindy Spiry ENR Director
		*7b. Date Report Submitted	10/31/2018

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:	\$91,506.76	*10. Amount Reimbursed To-Date:	\$91,506.76
11. Match Amount Required	\$0.00	*12. Total Match Amount Spent and Documented To-Date:		*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?							

BUDGET UPDATE

	15a. APPROVED BUDGET			*15b. SPENT TO-DATE		
	LO (EPA) Funds	MATCH	TOTAL	LO (EPA) Funds	MATCH	TOTAL
Personnel	\$41,100.00	\$0.00	\$41,100.00	\$46,153.83		\$46,153.83
Fringe Benefits	\$13,152.00	\$0.00	\$13,152.00	\$16,482.67		\$16,482.67
Travel	\$0.00	\$0.00	\$ 0.00			\$ 0.00
Equipment	\$2,500.00	\$0.00	\$2,500.00			\$ 0.00
Supplies	\$26,830.00	\$0.00	\$26,830.00	\$8,224.21		\$8,224.21
Contracts	\$0.00	\$0.00	\$ 0.00			\$ 0.00
Other	\$0.00	\$0.00	\$ 0.00			\$ 0.00
TOTAL DIRECT CHARGES	\$83,582.00	\$0.00	\$83,582.00	\$70,860.71		\$70,860.71
Indirect Charges	\$28,868.00	\$0.00	\$28,868.00	\$20,646.05		\$20,646.05
TOTAL	\$112,450.00	\$0.00	\$112,450.00	\$91,506.76		\$91,506.76
*Explain Any Discrepancies:						

ECOSYSTEM GOALS ADDRESSED

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

DIRECT THREATS ADDRESSED

17a. Primary Threat	Invasive Species - Terrestrial
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	A.5.1-4 A.6.1 A.6.4 B.5.3 C.9.1
18c. Near-Term Actions Supported	B.5.3 SNST12

LINKAGES TO EPA PUGET SOUND PERFORMANCE MEASURES

19. Measure(s)	Habitat Restored/Protected -----
-----------------------	----------------------------------

LINKAGES TO PUGET SOUND DASHBOARD INDICATORS

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

PROJECT LOCATION

21a. Latitude	47.638630	21b. Longitude	-121.924718
21c. Hydrologic Unit Code	17110010 - Snoqualmie	-----	-----
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")
Area restored by removing non-native invasive plant species	acres	13	11.7
Area or riparian buffer restored with native vegetation	acres	11	10
Native trees and shrubs planted	#	15000	11,400
Number of large woody debris pieces installed	#	10	0
Volunteer events completed	#	6	6
Interpretive signage created and posted onsite	#	2	0

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: Tolt MacDonald Park Riparian Habitat Restoration					
23b. 2012 Action Agenda Near-Term Action(s) Supported:					
*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	Project Management: Finalize restoration site revegetation plan and submit to King County DNRP (landowner) for review and approval; Notify King County DNRP prior to planned restoration activities and volunteer events; Hold monthly staff meetings to discuss/manage project; Prepare and submit semi-annual and final grant reports	9/30/18	CURRENT	Landowner approval of site restoration plan; Reports submitted to NWIFC; Staff/crew informed, supervised and trained; Local and/or state permit approval Planting Plan; GIS Maps; Photo	Coordination with King County Parks (landowner) and partners is ongoing.

				Documentation; Meeting Notes; PowerPoint Presentation	
1.2	Noxious Weed Control: Record current infestations of non-native plant species using GPS hardware and GIS software; Clear, cut and mow mature blackberry, reed canary grass using heavy mowing equipment, gas powered brush cutters and hand held tools; Treat re-growth of blackberry and reed canary grass with approved aquatic herbicide; Hand pull and grub blackberry; Re-treat small infestation of Japanese knotweed and hand remove small plot of English Ivy identified in project area near confluence of Snoqualmie and Tolt Rivers.	9/30/18	CURRENT	At least 10 acres of target invasive plant species identified, removed and controlled GIS Maps; Photo Documentation	Noxious weed control work is ongoing as part of maintenance. As mentioned below, 10 high school students helped remove English ivy onsite in July 2018. Still also working to update GIS maps for target weed control.
1.3	Riparian Planting: Reference current and historical vegetation communities in determining planting plan for additional buffer creation and understory planting; Plant a variety of floodplain tolerant native tree, shrub and groundcover species that are suitable for the current soil, hydro, canopy and exposure conditions.	9/30/18	CURRENT	Min. 6 acres of riparian forest buffer created and understory enhanced; Min. of 7,500 native plants installed including 12 different deciduous and conifer species 19 different shrub species Planting Plan, Photo Documentation, Monitoring Data	Supplementation or replacement buffer planting will occur during fall 2018 through spring 2019.
1.4	Community Outreach: Host a minimum of three volunteer planting, maintenance and education events focusing on involving local schools, citizens, community groups, Tribal Members and partners. Design, create and install interpretive signage describing the project and the cultural significance of the area (see attached example). Host one project tour with local stakeholders and partners.	9/30/18	CURRENT	A min. 100 adult and youth volunteer participants will contribute 350 hrs. helping to plant & maintain project; 1 interpretive sign visibly posted Photo Documentation; Press Releases; Newsletters;	Volunteer event #7 was held on 7/30/18. 10 high school students from different schools in the area spent 4 hrs. at the site learning about the project and also worked on time pulling/removing non-native English ivy from one of the buffer areas. The students were working during the summer with Mountains To Sound Greenway Trust as part of their Clean Water Ambassador's Program.

				PowerPoint Presentation	
1.5	Monitoring and Maintenance: Create and submit QAPP for Veg Monitoring; Set-up baseline, transects and photo points for annual vegetation monitoring; Perform annual vegetation monitoring; Complete regular maintenance of buffer plantings to ensure site performance/plant survival rates. Maintenance activities will include: invasive plant control (mowing) & weed suppression, browse protection, watering and mulching, plant replacement.	9/30/18	CURRENT	Maintain site 2-3 times per year in years 1-3; 80% or greater plant survival achieved after 3rd year. Approved QAPP Addendum; Photo Documentation; Monitoring Data	Site maintenance was completed on buffer planting areas during spring - May and summer - July 2018. Formal vegetation survival monitoring was not completed during the summer due to being short staffed. However, the condition and progress of the site are being observed regularly.

23a. Subaward Work Plan Component/Task: Sammamish River Corridor Habitat Enhancement - Reach 4

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

***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
2.1	Project Mgmt: Contract w/qualified fisheries habitat engineer to finalize design and plans for off-channel wetland enhancement and wood structure placement. Complete planting plan for river bank and wetland buffer areas. Finalize restoration site plan package and submit to King County DNRP (landowner) and ACOE for review and approval. Submit streamlined JARPA along with Fish Habitat Enhancement Exemption concurrently to WDFW, ACOE, King County, WA DOE for review and approval. Notify King County DNRP prior to planned restoration activities and volunteer events. Hold monthly staff meetings to discuss and manage	9/30/18	BEHIND SCHEDULE	Landowner & permit approval obtained Environmental permits obtained Reports submitted to NWIFC Staff/crew informed, supervised and trained. Habitat design, planting plan, GIS maps, photo documentation, Power Point Presentation	Another revised version of the riparian restoration plan was submitted to King County in June 2018 in response to receiving additional comments and questions from County staff. More site survey work was completed to provide additional topographic detail for the proposed bank planting sections. An archaeologist from King County Parks completed a cultural resources survey for the proposed buffer planting areas in June 2018. King County finally signed off on the revised planting plan in early August and forwarded the plan to the U.S

	project. Prepare and submit semi-annual and final grant reports				Army Corps of Engineers - Seattle District for review. As of this report date, we're still waiting to receive final approval from the Corps.
2.2	Noxious Weeds Control: Clear, cut and mow mature blackberry and reed canary grass using heavy mowing equipment, gas powered brush cutters and hand tools. Treat re-growth of blackberry and reed canary grass with approved aquatic herbicide.	9/30/18	CURRENT	Min. 3 acres of non-native invasive plant species removed & controlled. GIS Maps; Photo Documentation	
2.3	Riparian/Aquatic Restoration: Remove/scrape off existing reed canary grass mat from small pocket wetland, shape and regrade soils to create varying topographic and habitat features. Placement of vertical and horizontal habitat structure, anchor large and small woody debris in the wetland and along the channel edge of the main river to provide cover for adult and juvenile salmon and other wildlife. Plant a variety of native herbaceous wetland species (sedges, rushes). Amend soil conditions on a more disturbed portion of the upper bank planting area and increase tree and shrub planting density over entire restoration area.	9/30/18	CURRENT	Min.10 pieces of LWD placed. Min. 7,500 native trees, shrubs and groundcover species installed and 5 acres of riparian buffer created. Planting plan, site plan, photo documentation, monitoring data.	Riparian restoration plan revisions were completed and submitted to King County for review. Approval received by King County but still awaiting Corps approval.
2.4	Community Outreach: Host a minimum of three volunteer planting, maintenance and education events focusing on involving local schools, citizens, community groups, Tribal Members and partners. Design, create and install interpretive signage describing the project and the cultural significance of the area (see attached example). Host one project tour with local stakeholders and partners.	9/30/18	BEHIND SCHEDULE	A min. 100 adult and youth volunteer participants will contribute 400 hrs. helping to plant & maintain project. 1 interpretive sign visibly posted. Photo Documentation, Press Releases, Newsletters, Power Point Presentation	Two volunteer planting events were scheduled for fall 2018 (November 3 rd) and winter 2019 (February 23 rd). The November 3 rd event has been cancelled because we're still waiting to get final planting approval from the Corps.

2.5	<p>Monitoring & Maintenance: Create and submit QAPP for Veg Monitoring. Set-up baseline, transects and photo points for annual vegetation monitoring. Perform annual vegetation monitoring Complete regular maintenance of buffer plantings to ensure site performance/plant survival rates. Maintenance activities will include: invasive plant control (mowing) & weed suppression, browse protection, watering and mulching, plant replacement.</p>	9/30/18	PLANNED	<p>Maintain site 2-3 times per year in years 1-3; 80% or greater plant survival achieved after 3rd year.</p> <p>Approved QAPP addendum, Photo Documentation; Monitoring Data</p>	<p>Maintenance on the Tribe's existing .5 acre buffer planting area was completed in May 2018 with assistance from a contract WCC Crew. Additional mowing within the new proposed planting sections upriver and downriver occurred during June and July 2018.</p>
-----	--	---------	---------	--	---

CHALLENGES AND SOLUTIONS (specific to reporting period)

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

HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

***25.**
 It has proven way more complicated to implement a larger scale riparian buffer planting project along the Sammamish River than originally anticipated or envisioned. This is mainly due to the river being managed primarily as a flood control facility by King County and the Army Corps of Engineers and the length of time needed to wade through the not completely clear review/approval process with both entities. It also seems that King County continues to place more emphasis on developing and maintaining public use of the existing Regional Trail that is adjacent to the project area rather than putting local salmon recovery priorities first.

