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: 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@snoqualmienation.com

5a. EPA Program	**5b. Subaward Project Title and Contract No.**	***6. Collaborating Organizations/Partners**
LO - Tribal	Lake Sammamish Native Kokanee Habitat Project and Kimball Creek Restoration Phase III / 15EPA PSP446	City of Sammamish, Kokanee Work Group, Private Landowner, Trout Unlimited

Subawardee Submission Instructions:	**LO Project Manager:** Dani Madrone **LO:** Northwest Indian Fisheries Commission **Phone:** 360.528.4318 **email:** dmadrone@nwifc.org **EPA Project Officer:** Lisa Chang
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.	

***7a. Name/Title of Person Submitting Report**	Cindy Spiry ENR Director
***7b. Date Report Submitted**	10/31/16

FUNDING/COST ANALYSIS

8a. Total Assistance Amount Awarded:	$122,200.00	**8b. Funding Year (Federal Fiscal Year Funds Appropriated)**	FY 2015 ---------- ---------- ----------	***9. Amount Spent To-Date:**	291.23	***10. Amount Reimbursed To-Date:**	0
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?**	None at this time.						

BUDGET UPDATE

	15a. APPROVED BUDGET			***15b. SPENT TO-DATE**		
	LO (EPA) Funds	MATCH	TOTAL	LO (EPA) Funds	MATCH	TOTAL
Personnel	$41,320.00	$0.00	$41,320.00	$195.04		$ 195.04
Fringe Benefits	$12,446.00	$0.00	$12,446.00	$21.42		$ 21.42
Travel	$0.00	$0.00	$ 0.00			$ 0.00
Equipment	$1,500.00	$0.00	$1,500.00			$ 0.00
Supplies	$28,129.00	$0.00	$28,129.00			$ 0.00
Contracts	$0.00	$0.00	$ 0.00			$ 0.00
Other	$0.00	$0.00	$ 0.00			$ 0.00
TOTAL DIRECT CHARGES	$83,395.00	$0.00	$83,395.00	$216.46		$ 216.46
Indirect Charges	$28,805.00	$0.00	$28,805.00	$74.77		$ 74.77
TOTAL	$112,200.00	$0.00	$112,200.00	$291.23		$ 291.23
***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	

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	47.567324	**21b. Longitude**	-121.888727
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	7	2
Area of buffer restored with native vegetation	acres	7	0
Native trees and shrubs planted	#	8000	0
Length of streambank regraded and stabilized	length	1000	0
Volunteer events completed	#	3	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: Lake Sammamish Native Kokanee Habitat Restoration Project

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 buffer enhancement/site revegetation plan and submit to the landowner, Mr. Pereyra for review and approval. Obtain any necessary permits for removing invasive plant species within wetland and stream channel. Coordinate and participate in project related meetings. Notify landowner prior to planned restoration activities and volunteer events. Hold monthly staff meetings to discuss/manage project. Prepare and	9/30/16	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	Regularly weekly and/or bi-weekly staff meetings occur and a project update is provided. Planning for the buffer enhancement has begun in coordination with the City of Sammamish and the private landowner. The buffer enhancement work is part of the broader fish passage and channel improvement work that the City is sponsoring and leading and will

	submit semi-annual and final grant reports			Documentation; Meeting Notes	be completed in stages over the next two years.
1.2	Noxious Weed Control: Record infestations of non-native plant species using GPS hardware and GIS software. Clear, cut and hand remove blackberry and nightshade using gas powered brush cutters and hand tools. Treat re-growth of blackberry and other invasive as necessary with approved aquatic herbicide	9/30/16	CURRENT	At least 3 acres of target invasive plant species identified, removed and controlled GIS Maps; Photo Documentation	In early August 2016, the Tribe's ENR Restoration Team cleared and removed .25 acres of blackberry and nightshade along the lower reach of the creek in order to help facilitate survey and design work for the fish passage and channel restoration project. No City permits were needed to complete the weed removal work and programmatic approval was given by the Washington State Department of Fish and Wildlife to work in and around the channel. The treated area was GPS'd and mapped in GIS. Before, during and after photos were also taken.
1.3	Riparian Planting: Reference historical and current vegetation communities in determining planting plan for forested wetland and understory planting. Plant a variety of native tree, shrub and groundcover species suitable for the current soil, hydro, canopy and exposure conditions.	9/30/16	PLANNED	3 acres of riparian forested wetland buffer planted and enhanced; Min. of 3,000 native tree, shrub and groundcover species installed including shade tolerant conifer species (cedar and hemlock). Planting Plan, Photo Documentation, Monitoring Data	No buffer planting activity yet.
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.	9/30/16	PLANNED	A min. 100 adult and youth volunteer participants will contribute 350 hrs. helping to plant & maintain project. Photo Documentation; Sign-In Sheets; Press Releases; Media Coverage; Newsletters;	No volunteer events have been scheduled.

				PowerPoint Presentation	
1.5	Monitoring and Maintenance: Create and submit QAPP Addendum for Site Vegetation Monitoring. Set-up baseline, transects and photo points for annual vegetation monitoring. Perform annual vegetation monitoring. Conduct upstream survey to identify and assess any sediment sources, addl. fish passage issues and confirm habitat conditions. 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.	9/30/16	PLANNED	Maintain site 2-3 times per year in years 1-3; 80% or greater plant survival achieved after 3rd year. Photo Documentation; Monitoring Data; GIS Maps	Vegetation monitoring activities will take place once we complete non-native invasive plant removal in the entire project reach.Some field reconnaissance has been completed to assess stream and riparian habitat conditions. No maintenance has been performed as of yet.

23a. Subaward Work Plan Component/Task: Kimball Creek Restoration Phase III

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 Management: Finalize restoration site plan for weed removal, bank regrading and native planting and submit to landowner for approval. Submit streamlined JARPA with fish habitat exemption to state WDFW and King County for HPA review and approval. Hold monthly staff meetings to discuss and manage project. Prepare and submit semi-annual and final grant reports	9/30/16	PLANNED	Landowner approval obtained; HPA approval; Reports submitted to NWIFC; Staff/crew informed, supervised and trained Channel Design; Planting Plan; GIS Maps; Photo Documentation	Approval to remove non-native invasive plant species was given by two private landowners(Tate & Bacon) participating in the project.
2.2	Noxious Weeds Control: Clear, cut and mow mature blackberry and reed canary grass using mowing equipment,	9/30/16	CURRENT	Min. 4 acres of non-native invasive plant	ENR Restoration Team cleared and mowed approximately 1.75 acres of blackberry was cleared

	gas powered brush cutters and hand tools. Treat re-growth of blackberry and reed canary grass with approved aquatic herbicide			species removed & controlled GIS Maps; Photo Documentation	and mowed on the Tate and Bacon properties during mid-July using a tracked bobcat mower and hand held brushcutters. Blackberry re-growth was treated with approved herbicide in early September. Crew labor and rental of the mower was paid for with a matching local salmon recovery grant funds from King County.
2.3	Streambank Regrading: Contract with a qualified heavy equipment operator to pull back steep vertical cut banks to a gentler slope per WDFW Streambank and Habitat Restoration Guidelines.	9/30/16	PLANNED	An est. 1,000 linear feet of stream bank regraded to a gentler slope. Photo Documentation; As-built drawings and maps	Design and permitting will be completed over the next 3-5 months with implementation scheduled for summer of 2017.
2.4	Riparian Planting: Plant a variety of native tree, shrub and groundcover species suitable for the current soil, hydro, canopy and exposure conditions.	9/30/16	PLANNED	Establish multi-layer forested canopy layer creating at least 4 acres of native riparian buffer area; Plant a minimum of 5,000 native trees and shrubs consisting of 12 different native deciduous and coniferous tree species and 18 varieties of multi-layer shrub species. Photo Documentation; As-built drawings, maps, revegetation plan	No buffer planting will occur until stream banks are pulled back and regraded.
2.5	Monitoring & Maintenance: Create and submit QAPP Addendum for Site Vegetation Monitoring. Set-up baseline, transects and photo points for annual vegetation monitoring. Perform annual vegetation monitoring. Maintain buffer plantings to ensure site performance/plant survival rates. Maintenance activities will include:	9/30/16	PLANNED	Maintain site 2-3 times per year in years 1-3; 80% or greater plant survival achieved after 3rd year. Photo Documentation; Monitoring Data	No buffer vegetation monitoring or maintenance activities have occurred to date.

	invasive plant control, browse protection, watering and mulching, plant replacement.				

CHALLENGES AND SOLUTIONS (specific to reporting period)

*24a. Task No., Sub-Task No.	*24b. Challenge	*24c. Solution
1.2 Noxious Weed Control	Landowner participating in Lk. Sammamish Kokanee project informed us that he would prefer that we don't use herbicide to control blackberry on his property.	We relayed to landower that we understand and respect his wishes but also explained that it will increase the amount of time and labor needed for maintenance and buffer establishment.

HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

***25.**

Good effective start removing monocultures of non-native blackberry at both sites, as well as vines at the Lk. Sammamish - Zackuse Creek project site.