



# 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>	PA-00J912-01	<b>*2a. Reporting Period Start Date:</b>	10/1/2016	<b>*2b. Reporting Period End Date:</b>	3/31/2017
<b>3. Subaward Organization (Name and complete address including zip code)</b> Name: Nooksack Indian Tribe Address 1: Natural Resources Department Address 2: 5016 Deming Rd/ PO Box 157 City: Deming State: WA Zip Code: 98244-			<b>4. Subaward Project Manager Contact Information</b> Name: Treva Coe Phone: (360) 592-5140 Ext: 3144 Fax: (360) 592-5176 Email: tcoe@nooksack-nsn.gov		
<b>5a. EPA Program</b>  <b>LO - Tribal</b>	<b>5b. Subaward Project Title and Contract No.</b>  Nooksack Tribe FY2015 Priority Project Implementation: Lower North Fork Nooksack River Restoration / 15EPA PSP414		<b>*6. Collaborating Organizations/Partners</b>		

<b><u>Subawardee Submission Instructions:</u></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> Northwest Indian Fisheries Commission <b>Phone:</b> 360.528.4318 <b>email:</b> dmadrone@nwifc.org  <b>LO Program Coordinator:</b> <b>LO:</b> <b>Phone:</b> <b>email:</b>  <b>EPA Project Officer:</b> Lisa Chang	<b>*7a. Name/Title of Person Submitting Report</b>	Treva Coe Habitat Program Manager
		<b>*7b. Date Report Submitted</b>	5/2/2017

## FUNDING/COST ANALYSIS

8a. Total Assistance Amount Awarded:	\$112,200.00	8b. Funding Year (Federal Fiscal Year Funds Appropriated)	FY 2015 ----- ----- -----	*9. Amount Spent To-Date:	\$43,939.25	*10. Amount Reimbursed To-Date:	\$28,895.08
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?		We have completed construction of Farmhouse Phase 2b and would like to revise scope to habitat effectiveness monitoring of past phases and development and implementation of future phases of restoration in the Farmhouse reach.					

## BUDGET UPDATE

	15a. APPROVED BUDGET			*15b. SPENT TO-DATE		
	LO (EPA) Funds	MATCH	TOTAL	LO (EPA) Funds	MATCH	TOTAL
Personnel	\$36,211.00	\$0.00	\$36,211.00	\$11,913.89	\$0.00	\$11,913.89
Fringe Benefits	\$11,950.00	\$0.00	\$11,950.00	\$4,304.09	\$0.00	\$4,304.09
Travel	\$0.00	\$0.00	\$ 0.00	\$0.00	\$0.00	\$ 0.00
Equipment	\$0.00	\$0.00	\$ 0.00	\$0.00	\$0.00	\$ 0.00
Supplies	\$0.00	\$0.00	\$ 0.00	\$0.00	\$0.00	\$ 0.00
Contracts	\$48,598.00	\$0.00	\$48,598.00	\$23,275.00	\$0.00	\$23,275.00
Other	\$0.00	\$0.00	\$ 0.00	\$0.00	\$0.00	\$ 0.00
<b>TOTAL DIRECT CHARGES</b>	<b>\$96,759.00</b>	<b>\$0.00</b>	<b>\$96,759.00</b>	<b>\$39,492.98</b>	<b>\$0.00</b>	<b>\$39,492.98</b>
Indirect Charges	\$15,440.00	\$0.00	\$15,440.00	\$4,446.27	\$0.00	\$4,446.27
<b>TOTAL</b>	<b>\$112,199.00</b>	<b>\$0.00</b>	<b>\$112,199.00</b>	<b>\$43,939.25</b>	<b>\$0.00</b>	<b>\$43,939.25</b>
*Explain Any Discrepancies:	None					

## ECOSYSTEM GOALS ADDRESSED

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

## 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	A.6.1
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	Wild Chinook Salmon
20b. Secondary Indicators	-----

## PROJECT LOCATION

21a. Latitude	48.905	21b. Longitude	-122.106
21c. Hydrologic Unit Code	17110004 - Nooksack	-----	-----
21d. Action Area	San Juan/Whatcom	-----	-----

## 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")
Engineered log jams in the North Fork Farmhouse Reach (Phase 2B)	# of log jams	11	16

## 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> Nooksack Tribe FY2015 Priority Project Implementation: Lower North Fork Nooksack River Restoration					
<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	Grant administration, budget management, and reporting	3/31/17	CURRENT	5 semi-annual progress reports completed	One semi-annual progress report submitted during reporting period.
1.2	Develop permit applications and work with regulatory agencies to acquire environmental permits, work with engineer to finalize log specifications and develop request for quotations for supply and delivery of woody material, and work with engineer to develop	3/31/17	CURRENT	Environmental Permits (HPA, NOAA 4(d) Limit 8, Corps permits, DNR Aquatic Use Authorization, County Shoreline Management Program Substantial Development Permit	To comply with permit conditions, permitting agencies were notified that the project had been completed.

	construction bid solicitation documents and construction specifications.			exemption, County floodplain development permit); Request for Quotations: Supply and Delivery of Large Wood, Racking, and Slash and memo describing bid process and selection; Signed contract for Supply and Delivery of Large Wood, Racking, and Slash Request for Bids: NF Farmhouse Phase 2b Construction; Signed contract for NF Farmhouse Phase 2b Construction	
1.3	Manage subcontract (including inventory verification) to supply and deliver logs, racking, and slash.	3/31/17	CURRENT	Spreadsheet showing materials delivered	Restoration coordinator reconciled inventory with delivery receipts and billings and otherwise closed out contract management.
1.4	Manage contract(s) (including providing construction oversight) to construct temporary access roads, stage logs and other materials, install temporary erosion and sediment control and/or water management measures, construct log jams, and regrade site.	3/31/17	CURRENT	11 ELJ construction checklists from NF Farmhouse Phase 2b project	Restoration coordinator reconciled inventory with delivery receipts and billings and otherwise closed out contract management.
1.5	Plant log jams and replant disturbed areas using a mix of native conifers and deciduous trees. Conifers will include Sitka spruce ( <i>Picea sitchensis</i> ), Western red-cedar ( <i>Thuja plicata</i> ), Douglas-fir ( <i>Pseudotsuga menziesii</i> ), and Grand fir ( <i>Abies grandis</i> ). Conifers will be planted on six foot centers. Deciduous trees will include black cottonwood ( <i>Populus trichocarpa</i> ), willow species ( <i>Salix</i> spp), and red osier dogwood ( <i>Cornus stolonifera</i> ). Deciduous trees will be planted on 1-2 foot centers. Maintain planted areas (i.e. invasive weed control). Planting will	3/31/17	CURRENT	Planting report: NF Farmhouse Phase 2b	Remaining structures were planted and survival of previous plantings in the project reach was evaluated and replanting planned.

	only occur in fall and spring months as weather permits. Number of plants installed will be recorded and planting areas GPS'd.				
1.6	Conduct as-built monitoring per the Nooksack River Watershed Habitat Restoration Project Effectiveness Monitoring (Coe, 2013) prepared for the Environmental Protection Agency agreement #PA-00J32201-0.	3/31/17	CURRENT	As-built report: NF Farmhouse Phase 2b	An as-built monitoring report was completed for NF Farmhouse Phase 2B.

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

*24a. Task No., Sub-Task No.	*24b. Challenge	*24c. Solution
1.3	US Forest Service offered use of very large trees that were planned to be cut to reduce tree fall risk in campgrounds and along roads. The large logs didn't fit specifications of logs used in previous structure designs.	Engineer designed a new structure type that could accommodate the specific sizes of wood that was made available. This is an important source of wood that increases project cost-effectiveness by reducing the cost of wood (since we only need to cover the cost of transportation, not purchase).
1.2	Developing a design to use the USFS-sourced logs required knowledge of the quantities and sizes of logs, but the trees were not cut until late winter, which delayed completion of design and submission of permit applications, leading to delays in project start.	Staff worked with permitting agencies to fast-track review pre-project and met with agencies post-project to identify opportunities for streamlining. While it is ideal to use recently-cut trees for log jam construction, we are considering using trees cut one year the following year, rather than that same year.

### HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

<p><b>*25.</b> Reporting period ending 03/31/17: This funding is an essential component of the Tribe's funding strategy for priority chinook habitat restoration projects. We understand that there is increased frustration that Puget Sound chinook is not improving quickly, and even our local salmon recovery partners are questioning the effectiveness of habitat restoration efforts. Further, some members of the public in Whatcom County are questioning the value of the investment in salmon recovery and watershed restoration. Although we've been largely focused on priority project implementation in the past decade, we have recognized recently the critical importance of effectiveness monitoring (projects and programs) and education and outreach on goals and successes of our salmon recovery</p>
---

program. The WRIA 1 Salmon Recovery Staff Team has developed a workplan to develop and education and outreach strategy and fill information gaps. Nooksack Tribal staff are taking the lead on compiling, analyzing, and presenting on restoration project effectiveness monitoring