



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-00J322-01	*2a. Reporting Period Start Date:	4/1/2015	*2b. Reporting Period End Date:	9/30/2015
3. Subaward Organization (Name and complete address including zip code) Name: Upper Skagit Indian Tribe Address 1: 25944 Community Plaza Way Address 2: City: Sedro-Woolley State: WA Zip Code: 98284-			4. Subaward Project Manager Contact Information Name: Jon-Paul Shannahan Phone: (360) 854-7089 Ext: Fax: (360) 854-7042 Email: jonpauls@upperskagit.com		
5a. EPA Program LO - Tribal	5b. Subaward Project Title and Contract No. Freshwater Productivity and Diversity of Skagit River Steelhead / 13EPA PSP442		*6. Collaborating Organizations/Partners Washington Department of Fish and Wildlife Seattle City Light		

<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: Rachel Norman LO: NWIFC Phone: 360.528.4318 email: rnorman@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	Jon-Paul Shannahan Managing Biologist
		*7b. Date Report Submitted	4/29/2016

FUNDING/COST ANALYSIS

8a. Total Assistance Amount Awarded:	\$166,100.00	8b. Funding Year (Federal Fiscal Year Funds Appropriated)	FY 2013 ----- ----- -----	*9. Amount Spent To-Date:	\$166,100.00	*10. Amount Reimbursed To-Date:	\$166100.00
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?			
*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	\$17,541.00	\$0.00	\$17,541.00	\$18,315.82		\$18,315.82
Fringe Benefits	\$4,911.00	\$0.00	\$4,911.00	\$4,035.54		\$4,035.54
Travel	\$0.00	\$0.00	\$ 0.00			\$ 0.00
Equipment	\$0.00	\$0.00	\$ 0.00			\$ 0.00
Supplies	\$927.00	\$0.00	\$ 927.00	\$854.48		\$ 854.48
Contracts	\$133,304.00	\$0.00	\$133,304.00	\$133,305.00		\$133,305.00
Other	\$0.00	\$0.00	\$ 0.00			\$ 0.00
TOTAL DIRECT CHARGES	\$156,683.00	\$0.00	\$156,683.00	\$156,510.84		\$156,510.84
Indirect Charges	\$9,417.00	\$0.00	\$9,417.00	\$9,589.16		\$9,589.16
TOTAL	\$165,400.00	\$0.00	\$165,400.00	\$166,100		\$166,100.00
*Explain Any Discrepancies:						

ECOSYSTEM GOALS ADDRESSED

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

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.6.4 A.6.3 A.1.2 D.4.1
18c. Near-Term Actions Supported	

LINKAGES TO EPA PUGET SOUND PERFORMANCE MEASURES

19. Measure(s)	-----
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LINKAGES TO PUGET SOUND DASHBOARD INDICATORS

20a. Primary Indicator	-----
20b. Secondary Indicators	-----

PROJECT LOCATION

21a. Latitude	48.444147	21b. Longitude	-122.327628
21c. Hydrologic Unit Code	17110007 - Lower Skagit	-----	-----
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")

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: Freshwater Productivity and Diversity of Skagit River Steelhead					
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	Repair and modify two (2) project rotary screw traps	2/1/2014	COMPLETED	Rotary screw traps repaired	
1.2	Write up contractual agreement with Washington Department of Fish and Wildlife	2/14/2014	COMPLETED	WDFW/USIT contract written	
1.3	Apply for ESA take permits and HPA requests	11/1/2013	COMPLETED	Permits obtained	
1.4	Amend previously developed project QAPP to reflect any changes or	4/15/2014	COMPLETED	Approved QAPP Addendum	Notification received from EPA of approved QAPP on 5/15/2014

	modifications to the study protocol. Get approved amended QAPP				
1.5	Purchase equipment, including PIT antenna arrays and ancillary needs (e.g. hook-up antennas to the power grid)	2/1/2014- project completion	COMPLETED	Supplies and tags purchased	
1.6	Build and install PIT antenna array in Hansen Creek	May 2014	COMPLETED	PIT antenna array built and installed	The antenna was installed over the course of a few days and has been functioning since install.
1.7	Install rotary screw traps into Illabot and Hansen creeks	3/26/2014	COMPLETED	Screw trap install in Illabot and Hansen creeks	

23a. Subaward Work Plan Component/Task:

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
1.8	Operate tributary traps and implement data collection in accordance to QAPP	3/26/2014-6/12/2014	COMPLETED	Traps operated between March and June; Traps checked daily; All captured fish removed from live box, sorted by species, enumerated, biologically sampled, and released	The Hansen trap was pulled on 6/10/2014 and the Illabot trap was pulled on 6/12/2014.
1.9	Biologically sample juvenile migrants in Hansen and Illabot creeks	3/26/2014 - 6/12/2014	COMPLETED	Biological sampling of all steelhead smolts, including length, scale sub-sample, genetic tissue sub-sample and mark and tag status	All sampling guidelines were successfully implemented
1.10	Mark (tag) and release steelhead smolts above the tributary traps	3/26/2014 - 6/12/2014	COMPLETED	Steelhead smolts marked and released	The tagging efforts were completed as planned, however overall abundance and catch rates of steelhead was low.
1.11	Organize data in digital format for analysis, estimate abundance of	8/1/2014-9/30/2014	COMPLETED	Digital data set	The transfer of data and proffing of data is now complete

	steelhead smolts via mark-recapture methods, and quantitatively describe life-history diversity				
1.12	Develop and run models of Hansen screw trap catch efficiency and PIT array detection efficiency	10/1/2014-1/31/2015	COMPLETED	Improved confidence in estimates of trap efficiency	With the delay of installation and low catches it was difficult to run efficiency test for the antenna. Please see below for solutions to this challenge.
1.13	Estimate abundance in tributaries, calculate basin estimates, size age and timing patterns	1/31/2015	COMPLETED	Steelhead smolt abundance estimated; data analysis	
1.14	Develop final report	12/31/2015	COMPLETED	Study results will be summarized in a technical report describing cumulative results from trapping seasons 2012 - 2014 that includes the following analysis: estimated steelhead smolt abundance for Hansen and Illabot creeks; age and size composition of steelhead smolts; migration timing of steelhead smolts at the main stem trap and at tributary traps; and estimated smolt-to-adult return rates (SAR) and adult escapement for Hansen Creek, and Illabot Creek pending PIT antenna installation	Given the complex life history, specifically age at adult return and troubleshooting PIT Antenna data, no SAR reported yet. Overtime we have enough years to report out a broodyear return, as the antenna is currently functioning.

CHALLENGES AND SOLUTIONS (specific to reporting period)

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

HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

*25.