



## EPA Puget Sound Financial and Ecosystem Accounting Tracking System (FEATS)

*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-00J322-01	<b>*2a. Reporting Period Start Date:</b>	4/1/2012	<b>*2b. Reporting Period End Date:</b>	9/30/12
<b>3. Recipient Organization (Name and complete address including zip code)</b>			<b>4. Project Manager Contact Information</b>		
Name: Lower Elwha Klallam Tribe Address 1: 51 Hatchery Road Address 2: City: Port Angeles State: WA Zip Code: 98363-			Name: Mike McHenry Phone: (360) 457-4012 Ext: 14 Fax: (360) 452-4848 Email: mike.mchenry@elwha.nsn.us		
<b>5a. Program (RFP)</b>		<b>5b. Project Title</b>		<b>*6. Collaborating Organizations/Partners</b>	
Tribal Projects		Elwha Floodplain Revegetation and Fisheries Monitoring Support		NOAA Northwest Fisheries Science Center  <input type="checkbox"/> Subawardee	

<b>Submission Instructions:</b> EPA fills in the white boxes. Grantee fills in the yellow boxes (boxes with asterisks). Refer to guidance document for how to fill out the boxes.  After completing the form, save and e-mail it to the Project Officer and cc: the Technical Monitor.	<b>Project Officer:</b> U.S. Environmental Protection Agency <b>Email:</b>  <b>Technical Monitor:</b> U.S. Environmental Protection Agency <b>Email:</b>	<b>*7a. Name/Title of Person Submitting Report</b>	Mike McHenry Fish Habitat Manager
		<b>*7b. Date Report Submitted</b>	10/1/2012

## FUNDING/COST ANALYSIS

8a. Total EPA Assistance Amount Awarded:	\$255,405.00	8b. Funding Year (Federal Fiscal Year Funds Appropriated)	FY 2011 ----- ----- -----	*9. Total EPA Amount Expended To-Date:	\$121,336.00	*10. Funds Drawn Down from EPA To-Date:	\$116,200
11. Match Amount Required	\$0.00	*12. Total Match Amount Expended 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 EPA Project Officer or Technical Monitor to respond to?		None at this time.					

## BUDGET UPDATE

	15a. APPROVED BUDGET			*15b. SPENT TO-DATE		
	EPA	MATCH	TOTAL	EPA	MATCH	TOTAL
Personnel	\$51,043.00		\$51,043.00	\$0.00	\$0.00	\$ 0.00
Fringe Benefits	\$7,656.00		\$7,656.00	\$0.00	\$0.00	\$ 0.00
Travel	\$0.00		\$ 0.00	\$0.00	\$0.00	\$ 0.00
Equipment	\$3,000.00		\$3,000.00	\$0.00	\$0.00	\$ 0.00
Supplies	\$3,592.00		\$3,592.00	\$4,653	\$0.00	\$4,653.00
Contracts	\$170,200.00		\$170,200.00	\$116,200	\$0.00	\$116,200.00
Other	\$0.00		\$ 0.00	\$0.00	\$0.00	\$ 0.00
<b>TOTAL DIRECT CHARGES</b>	<b>\$235,492.00</b>		<b>\$235,492.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$ 0.00</b>
Indirect Charges	\$19,914.00		\$19,914.00	\$0.00	\$0.00	\$ 0.00
<b>TOTAL</b>	<b>\$255,405.00</b>		<b>\$255,405.00</b>	<b>\$120,853</b>	<b>\$0.00</b>	<b>\$120,853.00</b>
*Explain Any Discrepancies:						

## ECOSYSTEM GOALS ADDRESSED

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

## DIRECT THREATS ADDRESSED

17a. Primary Threat	Dams/Levees/Tidegates
17b. Secondary Threat(s)	-----

## LINKAGES TO PUGET SOUND ACTION AGENDA

18a. Strategic Priorities Employed	Priority B	Priority E	-----
18b. Near-Term Actions Supported	B.2 NTA 4		
18c. Other Actions Supported			

## LINKAGES TO EPA PUGET SOUND MEASURES

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

20a. Primary Indicator	Wild Chinook Salmon
20b. Additional Indicators	-----

## PROJECT LOCATION

21a. Latitude	48.001919	21b. Longitude	-123.600197
21c. Hydrologic Unit Code	17110020 - Dungeness-Elwha	-----	-----
21d. Action Area	Strait of Juan de Fuca	-----	-----

## MEASURES OF SUCCESS (Key Grant Outputs)

*22a. Description (e.g., "shellfish beds reopened")	*22b. Unit (e.g., "acres")	*22c. Project Target ("number")	*22d. Project Measure To-Date ("number")
Approved Quality Assurance Project Plan for all environmental data collection	QAPP	1	1
Large wood relocated on Mills Reservoir via helicopter	Pieces of Wood	1000	440
Foot surveys conducted in newly accessible habitat of the middle Elwha during 2012	Surveys	25	16
Juvenile salmon distribution assessed through snorkel or electrofishing surveys	Surveys	20	16
Traps installed and fished for 2012 and 2013 outmigration season on Little River and Indian Creek	Seasons fished	2	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. Work Plan Component/Task:** Movement of Large Wood at Mills/Aldwell Reservoirs.

**23b. Action Agenda Action(s) Addressed:** B.1.1 Implementing the Revegetation and Restoration Plan for Lake Mills and Lake Aldwell through the placement of large wood.

**\*23c. Estimated Costs:**

**Actual Costs to Date:** 0

(If required by PO)

23d. Sub-Task No.	23e. Sub-Task Description	*23f. Date	*23g. Status	23h. Outputs/Deliverables	*23i. Remarks
1.1	Contract with Columbia Helicopter	06/30/12	COMPLETED	Helicopter company contract secured	Have had helicopter company field tour of site and coordinated with Olympic National Park for permits and refueling sites.
1.2	Relocate large wood via helicopter	10/2/12	COMPLETED	1000 pieces of large wood relocated by fall 2012	Helicopter actually moved 440 pieces in one day of flight time
1.3	Create maps that display the placement of large wood.	12/30/12	PLANNED	Maps of large wood placement	High resolution photography of former Mills reservoir is being taken monthly and will be used to map wood placements

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**23a. Work Plan Component/Task:** Increasing Ecosystem Monitoring Capacity on the Elwha River.

**23b. Action Agenda Action(s) Addressed:** B.1.1, E.3.1, E.3.2 Implementing the Elwha River Fish Restoration Plan and improving the scientific understanding of juvenile and adult salmonids to inform decision making.

**\*23c. Estimated Costs:**  
**Actual Costs to Date:**  
**(If required by PO)**

23d. Sub-Task No.	23e. Sub-Task Description	*23f. Date	*23g. Status	23h. Outputs/Deliverables	*23i. Remarks
2.1	Construct one fence weir trap and one rotary screw trap	5/1/12	COMPLETED	Rotary screw trap constructed	An existing Rotary screw trap installed to Little River and the fence weir on Indian Crreek abandoned in favor of a screw trap
2.2	Prepare Quality Assurance Project Plan (QAPP)	3/31/12	COMPLETED	Approved QAPP	
2.3	Conduct foot surveys in newly accessible habitat of the middle Elwha during 2012	2012	AHEAD OF SCHEDULE BUT NOT COMPLETED	Redd locations GPS located	Adult Steelhead and Chinook surveys completed during 2012
2.4	Assess juvenile salmon distribution though snorkel or electrofishing surveys	2012 and 2013	AHEAD OF SCHEDULE BUT NOT COMPLETED	Juvenile snorkel surveys condcted up to four times per year (2012-2013) in middle Elwha habitats; PIT tags inserted into outmigrating smolts and juveniles collected; PIT readers deployed in stream and side-channel habitats	First season juvenile fish assessment and tagging completed
2.5	Install and fish traps during 2012 and 2013 outmigration season on	2012 and 2013	AHEAD OF SCHEDULE BUT NOT COMPLETED	All captured fish identified for species, enumerated,	First year trapping completed on Little River. Trapping

	Little River and Indian Creek			measured, weighed, interrogated for tags and released downstream	delayed on Indian Creek in 2012 due to flows and delay in construction of second screw trap
2.6	Analyze and report results	12/31/14	PLANNED	Data analysis; final report	
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<b><u>23a. Work Plan Component/Task:</u></b>					
<b><u>23b. Action Agenda Action(s) Addressed:</u></b>					
<b>*23c. Estimated Costs:</b>					
<b><u>Actual Costs to Date:</u></b>					
<b>(If required by PO)</b>					
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<b><u>23b. Action Agenda Action(s) Addressed:</u></b>					
<b>*23c. Estimated Costs:</b>					
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**23a. Work Plan Component/Task:**

**23b. Action Agenda Action(s) Addressed:**

**\*23c. Estimated Costs:**  
**Actual Costs to Date:**  
**(If required by PO)**

23d. Sub-Task No.	23e. Sub-Task Description	*23f. Date	*23g. Status	23h. Outputs/Deliverables	*23i. Remarks
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**CHALLENGES AND SOLUTIONS (specific to reporting period)**

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

## HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

**\*25.**

During the first reporting period we have completed quite a bit of project planning and can count the following accomplishments: developed cooperative agreement with NOAA, successfully updated permits, negotiated landowner agreements for two smolt trap sites, constructed and installed two smolt traps (already documented the presence of juvenile coho salmon in Indian Creek and Little River), completed workplan and QAPP for juvenile and adult monitoring activities, permitted helicopter work in Olympic National Park, and determined the refueling and service area for helicopter flight. During the second reporting period we moved into project implementation and completed spawning ground surveys for adult steelhead and chinook salmon upstream of the former Elwha Dam and downstream of Glines Canyon Dam. Juvenile trapping was completed on Little River during the spring of 2012, however trapping on Indian Creek was delayed as flows did not allow the installation of a fence weir as planned. As a result, we have decided to construct a rotary screw trap for Indian Creek. The trap is currently being assembled for the spring 2013 season. Juvenile fish were collected from 16 different sites and measured, weighed and tagged with PIT tags. A PIT antenna site was established at Indian Creek and an additional antenna will be placed in Little River. Finally 440 pieces of large wood were relocated using a heavy lift helicopter at the former Mills reservoir. The pieces were moved from the former reservoir pool elevation to an adjacent terrace. The area treated is approximately 1000 m long and 100 m wide. The relocated wood will be used as planting sites in the revegetation project this winter.