



# 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>	4/1/2016	<b>*2b. Reporting Period End Date:</b>	9/30/2016
<b>3. Subaward Organization (Name and complete address including zip code)</b>			<b>4. Subaward Project Manager Contact Information</b>		
Name: Stillaguamish Tribe of Indians Address 1: P.O. Box 277 Address 2: City: Arlington State: WA Zip Code: 98223-			Name: Gina Gray Phone: (360) 722-5643 Ext: Fax: (360) 435-3605 Email: ggray@stillaguamish.com		
<b>5a. EPA Program</b>		<b>5b. Subaward Project Title and Contract No.</b>		<b>*6. Collaborating Organizations/Partners</b>	
LO - Tribal		Stillaguamish Tribe 2014 Restoration and Protection Priorities / 15EPA PSP434			

<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> NWIFC <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>	Ragina Gray Director of Natural Resources
		<b>*7b. Date Report Submitted</b>	10/31/2016

## 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:	\$49,977.33	*10. Amount Reimbursed To-Date:	\$22,841.37
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	\$27,247.80	\$0.00	\$27,247.80	\$11,441.18		\$11,441.18
Fringe Benefits	\$9,264.25	\$0.00	\$9,264.25	\$8,120.11		\$8,120.11
Travel	\$3,000.00	\$0.00	\$3,000.00	\$2,865.50		\$2,865.50
Equipment	\$1,682.58	\$0.00	\$1,682.58	\$460.31		\$ 460.31
Supplies	\$12,500.00	\$0.00	\$12,500.00	\$3,373.01		\$3,373.01
Contracts	\$42,500.00	\$0.00	\$42,500.00	\$21,960.00		\$21,960.00
Other	\$180.00	\$0.00	\$ 180.00	\$70.32		\$ 70.32
<b>TOTAL DIRECT CHARGES</b>	<b>\$96,374.63</b>	<b>\$0.00</b>	<b>\$96,374.63</b>	<b>\$42,684.20</b>		<b>\$42,684.20</b>
Indirect Charges	\$15,825.36	\$0.00	\$15,825.36	\$7,293.13		\$7,293.13
<b>TOTAL</b>	<b>\$112,200.00</b>	<b>\$0.00</b>	<b>\$112,200.00</b>	<b>\$49,977.33</b>		<b>\$49,977.33</b>
*Explain Any Discrepancies:						

## ECOSYSTEM GOALS ADDRESSED

16a. Primary Goal	Water Quality
16b. Additional Goals	Healthy Habitat    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	C.1.1    C.7.5    B.1.2
18c. Near-Term Actions Supported	C1.1.6

## LINKAGES TO EPA PUGET SOUND PERFORMANCE MEASURES

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

20a. Primary Indicator	Marine Water Quality
20b. Secondary Indicators	Shellfish Beds    Floodplains    Freshwater Quality

## PROJECT LOCATION

21a. Latitude	48.215923	21b. Longitude	-122.184978
21c. Hydrologic Unit Code	17110008 - Stillaguamish	-----	-----
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”)
TASK 1 - Phytoplankton monitoring	events	40	0
TASK 1 - Water quality data collection and dispensation	records	7200	0
TASK 2 - Consumption advisory written	document	1	
TASK 3 - Permits submitted for raft installation	permits	3	
TASK 3 - Raft built and installed	events	2	
TASK 3 - Shellfish successfully grown	event	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.

<b>23a. Subaward Work Plan Component/Task:</b> Stillaguamish Tribe Marine Water Quality Monitoring					
<b>23b. 2012 Action Agenda Near-Term Action(s) Supported:</b> C7.5 NTA 2 Expand Biotoxin Monitoring.					
<b>*23c. Estimated Costs:</b> \$44,075.00					
<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	Complete a Quality Assurance Project Plan. Acquire all supplies and tools necessary to begin shellfish sampling. Nov 2016	9/30/16	BEHIND SCHEDULE	QAPP completed. Sampling readiness.	In progress
1.2	Begin monitoring for HABs, bi-weekly November through March, and weekly April through October.	9/30/16	CURRENT	Identification of HAB species and concentrations present in the localized area of Port Susan seasonally; Phytoplankton	Work occurring under different FY funding.

				observations uploaded into the Sound Toxins database and Tribal public website weekly.	
1.3	Continue to perform monthly maintenance and calibration of water quality monitoring buoy and probe	9/30/16	PLANNED	Successful acquisition of water quality data	Work occurring but under different FY funding.
1.4	Download and analyze data for proper probe performance; link data to NANOOS visualization system for public access	9/30/16	PLANNED	Marine water quality data available to scientists and the general public via NANOOS; Hydrolab data also uploaded to STORET.	Work occurring but under different FY funding.
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**23a. Subaward Work Plan Component/Task:** Conduct a Human Health Assessment and a create Stillaguamish Tribal Shellfish Consumption Advisory based on testing samples of locally harvested shellfish for a suite of toxins.

**23b. 2012 Action Agenda Near-Term Action(s) Supported:** C 6.2. Shellfish and fish advisory and monitoring programs

**\*23c. Estimated Costs:** \$45,991.00

**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	Write a Quality Assurance Project Plan Addendum. Nov 2016	9/30/16	BEHIND SCHEDULE	Approved QAPP Addendum. Sampling readiness.	in progress
2.2	Update the existing Joint Working Agreement with the U.S. Geological Survey for shellfish sample analysis in estuarine habitat. Determine sampling locations and attain permission to sample shellfish from private and public tidelands. March 2016	9/30/16	CURRENT	A signed agreement between both agencies with a finalized workplan, field schedule and data dissemination plan.	completed but being amended for longer time period
2.3	Collect shellfish and salmon samples from selected areas. July 2017	9/30/16	PLANNED	Evaluate PCBs and mercury from tissue samples	
2.4	Summarize shellfish toxin data and analyze for human health. Because Tribal members are not currently harvesting from Port Susan, we would	9/30/16	PLANNED	Summary of sampling results and Human Health Assessment and	

	like to establish what is a safe amount to consume based on what is actually in the shellfish growing there now.  Write up Human Health Assessment and Shellfish Advisory. Nov. 2017			Tribal Shellfish Consumption Advisory.	
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**23a. Subaward Work Plan Component/Task:** Port Susan Mussel Rafts Phase 1

**23b. 2012 Action Agenda Near-Term Action(s) Supported:** C7.3.2 Areas Suitable for Future Shellfish Aquaculture

**\*23c. Estimated Costs:** \$22,333.00  
**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
3.1	Determine suitable locations for and suitable sized mussel rafts. Determine best type of mussel raft for desired purpose. Connect with Delta Consortium researchers in Port Susan and Penn Cove shellfish growers. March 2017	9/30/16	CURRENT	Suitable site locations. Mussel raft designs complete. Integration with Port Susan Delta Consortium Researchers in terms of communication, meetings attended, etc	Have connected with other delta researchers and Penn Cove growers. Have researched mussel raft designs. Began taking salinity profiles in the bay to help determine best locations.
3.2	Acquire landowner permissions, if applicable and apply for permits to grow floating mussel rafts in Port Susan (WDFW, DNR, ACOE, SEPA, etc). June 2017	9/30/16	CURRENT	Landowner permissions attained if needed, and permit applications submitted	Have researched types of permits needed and how to acquire them. Have begun DOH sampling to expand shellfish growing area in bay.
3.3	Acquire supplies for and build mussel rafts. June 2017	9/30/16	PLANNED	Built or purchase rafts	May need additional funds to acquire desired raft design.
3.4	Design an implementation, research and monitoring plan. June 2017	9/30/16	PLANNED	Completed research and monitoring plan for Phase 2	

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

*24a. Task No., Sub-Task No.	*24b. Challenge	*24c. Solution
1.1 QAPP and 2.1 QAPP	Staffing changes at NWIFC and EPA	Working on QAPP now.


**HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS**

\*25.