



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:	4/1/2017	*2b. Reporting Period End Date:	9/30/2017
3. Subaward Organization (Name and complete address including zip code) Name: Swinomish Indian Tribe Address 1: 11426 Moorage Way Address 2: City: La Conner State: WA Zip Code: 98257-			4. Subaward Project Manager Contact Information Name: Julie Barber Phone: (360) 466-7315 Ext: Fax: (360) 466-4047 Email: jbarber@swinomish.nsn.us		
5a. EPA Program LO - Tribal		5b. Subaward Project Title and Contract No. Coast Salish Tribal Journey Water Quality Project (TJWQP); Non-Point Pollution Public Information and Education Initiative - Year 4 / 13EPA PSP 438, Swinomish Shellfish Program		*6. Collaborating Organizations/Partners U.S. Geological Survey and Squaxin Island, Nisqually, and Swinomish canoe families Puget Soundkeepers, Center for Environmental Law and Policy, Western Environmental Law Center, Skagit River System Cooperative, Puget Sound Restoration Fund.	

<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: Dani Madrone LO: Northwest Indian Fisheries Commission Phone: 360.528.4318 email: dmadrone@nwifc.org</p> <p>EPA Project Officer: Lisa Chang</p>	*7a. Name/Title of Person Submitting Report	Julie Barber Senior Shellfish Biologist
		*7b. Date Report Submitted	10/25/2017

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:	\$166,100.00
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?	No, we have not had any cost overruns.		
*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	\$40,064.00	\$0.00	\$40,064.00	\$40,780.49		\$40,780.49
Fringe Benefits	\$21,635.00	\$0.00	\$21,635.00	\$21,249.27		\$21,249.27
Travel	\$2,462.00	\$0.00	\$2,462.00	\$2,075.28		\$2,075.28
Equipment	\$0.00	\$0.00	\$ 0.00	\$0.00		\$ 0.00
Supplies	\$15,870.00	\$0.00	\$15,870.00	\$17,803.95		\$17,803.95
Contracts	\$17,280.00	\$0.00	\$17,280.00	\$17,280.00		\$17,280.00
Other	\$57,033.00	\$0.00	\$57,033.00	\$57,131.95		\$57,131.95
TOTAL DIRECT CHARGES	\$154,344.00	\$0.00	\$154,344.00	\$156,320.94	\$0.00	\$156,320.94
Indirect Charges	\$11,756.00	\$0.00	\$11,756.00	\$9,779.06		\$9,779.06
TOTAL	\$166,100.00	(\$0.00)	\$166,100.00	\$166,100.00		\$166,100.00
*Explain Any Discrepancies:						

ECOSYSTEM GOALS ADDRESSED

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

DIRECT THREATS ADDRESSED

17a. Primary Threat	-----
17b. Secondary Threat(s)	Agriculture/Livestock Surface Water Loading/Runoff from the Built Env -----

LINKAGES TO PUGET SOUND ACTION AGENDA (Version Adopted August 2012)

18a. Primary Strategic Initiative	Tribal Habitat Priorities
18b. Sub-Strategies Employed	B.1 C.1 D.5 A.1 A.6 A.7
18c. Near-Term Actions Supported	

LINKAGES TO EPA PUGET SOUND PERFORMANCE MEASURES

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

20a. Primary Indicator	-----
20b. Secondary Indicators	Marine Water Quality Freshwater Quality -----

PROJECT LOCATION

21a. Latitude	48.382773	21b. Longitude	-122.501476
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")
Tribal Journey Water Quality Project will meet with Coast Salish Gathering leadership, Canoe Families, Tribal and non-Tribal scientists from Washington and British Columbia to develop a strategic plan for the Project.	Meetings	12	12
Coordinate with canoe families to conduct the water-quality survey along multiple routes during the 2014 Tribal Journey to Bella Bella	Routes	2	2
Collect water-property data along the proposed routes with canoe families	Samples	25000	22616

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: Coast Salish Tribal Journey Water Quality Project (TJWQP)					
23b. 2012 Action Agenda Near-Term Action(s) Supported:					
*23c. Estimated Costs: \$39,996.00 Actual Costs to Date: \$39,700.94 (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	Engage in project planning and coordination, including development of QAPP addendum.	9/30/2015	COMPLETED	Funding secured and managed; Approved QAPP Addendum; Montly Canoe Journey meetings; Instrumentation and supplies secured;	The QAPP Addendum has been approved for the 2014 monitoring. As predicted, due to the lengh of the Journey to Bella Bella, there was considerably more logistical issues in regards to solidifying monitoring routes. Planning is

				Technicians/volunteers recruited	currently underway for smaller sampling events with Canoe Families as there is no official host for the 2015 Tribal Journey
1.2	Gather water-quality data across the Salish Sea to quantify variability, detect changes and trends, and identify impaired water bodies (primarily during the summer Tribal Journey)	9/30/2015	COMPLETED	Instrument packages assembled and delivered to technicians/volunteers; Operation of equipment and collection of data; Coordinator provides assistance provided for technicians on each of routes and ensures that quality control procedures are implemented	Monitoring during the 2014 Tribal Journey to Bella Bella occurred June 23 to June 30, 2014. Due to logistical difficulties with the participating Canoe Families, Squaxin Island volunteered last minute to conduct the study starting in Victoria BC through to Comox BC on Vancouver Island. We were able to use FY13 funds to monitor Puget Sound waters during the 2015 Youth Journey. The Swinomish canoe conducted the 2015 monitoring from Lummi to Muckleshoot, August 1 to 5, 2015.
1.3	Analyze data and synthesize results of TJWQP data results into maps, GIS data layers, and reports for public dissemination	9/30/2015	COMPLETED	Data entry completed; Data analysis; GIS data layers; Additional analyses with USGS scientists; Maintenance of web-based data query system to facilitate dissemination of TJWQP data to Tribes, First Nations, and other interested agencies or academic institutions; Final report detailing results of the 2014 Tribal Journey Water Quality Project – Journey to Bella Bella findings	2014 and 2015 data have been processed (first round) and are available online at www.usgs.gov/coastsalish . Western Washington University has helped provide a new mapping tool for the TJWQP data.
1.4	Continue to develop the TJWQP outreach materials and strategic plan	9/30/2015	COMPLETED	Web-based outreach materials with project data, accomplishments, publications, and contributions to Salish Sea science; Reporting to Tribal/First Nation	Project staff worked on creating a new website for the project on the Coast Salish Gathering site (www.coastsalishgathering.com). The project was contacted by representatives from NANOOS and the West Coast Governors

				communities on project findings and accomplishments; Presentation at 2014 Coast Salish Gathering; Semi-annual project review with TJWQP partners	Alliance on Ocean Health regarding interest in facilitating on-line data visualization through their websites.
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23a. Subaward Work Plan Component/Task: Swinomish Indian Tribal Community Non-Point Pollution Public Information and Education Initiative – Year 3

23b. 2012 Action Agenda Near-Term Action(s) Supported:

***23c. Estimated Costs:** 123,000
Actual Costs to Date: \$0.00
(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	Engage with partners to strengthen coalition for advancement of new regulations to provide adequate protection along salmon streams to meet water quality standards and restore salmon	9/30/2016	CANCELLED	15 meetings between Strategies 360, Swinomish, and coalition partners	meetings ongoing
2.2	Update and continue online and radio ads	9/30/2016	CANCELLED	A strategic advertising plan will be developed to reach a targeted audience both to raise awareness of the issue and build public support for a regulatory remedy; online ads will continue running; Digital copies and/or transcripts of ads	Radio ads ongoing.
2.3	Engage in ongoing maintenance for the website that was developed in Year 3 to provide public information regarding the need for adequate riparian buffers on agricultural lands	9/30/2016	CANCELLED	Website available for viewing and the target of social media and online advertising efforts to direct the public to an education site to learn about the impacts of agricultural	After extensive EPA input webpage and billboards modified to reflect EPA concerns

				practices and water pollution	
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23a. Subaward Work Plan Component/Task: Swinomish Shellfish Program					
23b. 2012 Action Agenda Near-Term Action(s) Supported:					
*23c. Estimated Costs: \$95,514.00 Actual Costs to Date: \$11,297.65 (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	Project planning and coordination	6/30/2017	COMPLETED	Approved QAPP, progress towards permitting with Army Corps of Engineers, technical document summarizing methods for surveying and transport recruitment	Subawards and Contracts have been through Swinomish Senate are in place with project partners. The QAPP is nearly complete and will be submitted for EPA review in April 2017. We decided to postpone obtaining the Army Corps of Engineers permit for restoration expansion until the monitoring results from the larval surveys are complete, late summer 2017.
3.2	Map surface currents and principal larval transport pathways in Similk and northern Skagit Bays	6/30/2017	COMPLETED	Assembled instrument packages to monitor surface currents, complete a round of field work to test equipment and methods	Instruments and field gear were successfully purchased and assembled for the sampling activities conducted in summer 2017. We predicted that the peak larval abundance would begin late June or early July. Because of this timing, we conducted our hydrodynamic monitoring starting in late May and at that time we began testing the biological monitoring methods.
3.3	Monitor recruitment of shellfish species in nearshore habitats and conduct ecological assessments	6/30/2017	COMPLETED	Monitoring activities, purchase 110 bags of Olympia oyster spat and shell for enhancing shellfish habitat	We received 110 bags of seeded cultch from Puget Sound Restoration Fund in mid-May and placed 55 bags in Lone Tree and Kiket lagoons. With this contribution, since 2012 SITC has

					added over 500,000 Olympia oysters to the two restoration sites. Reproducing Olympia oysters broadcast their larvae into the water column where they remain for two to three weeks. We deployed recruitment traps to locate areas on Swinomish tidelands where the larvae are present and capable of settling. This will inform where we will further enhance oyster habitat using FY14 funds.
3.4	Analyze data and synthesize results into maps, GIS data layers and reports	6/30/2017	COMPLETED	Technical memo detailing methods used to process clam biomass data for year to year trend analyses, R script for clam biomass analysis, data-set of epibenthic species that are found on oyster beds and are consumed by juvenile salmonids from Swinomish tidelands	Data compilation and initial model runs have been completed for the decadal clam analysis. This analysis will examine relationships between environmental factors and bivalve populations across the southern Salish Sea. A draft manuscript on this analysis is in review. Fish gut samples from the Olympia oyster restoration sites have been processed and with the help of Jeff Cordell's lab at the University of Washington we have identified the prey species in the guts. We will continue to monitor the epibenthic invertebrate community structure at the restoration sites, plus control, through spring 2018 (with FY14 funds).

23a. Subaward Work Plan Component/Task: Hansen Creek Property Acquisition					
23b. 2012 Action Agenda Near-Term Action(s) Supported:					
*23c. Estimated Costs: \$30,833.00 Actual Costs to Date: \$30,833.00 (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

4.4	Funding for this award was directed to Escrow and Closing	3/31/2017	COMPLETED	Copy of the deed	The purchase of the Hansen Creek parcels was completed in December 2016. The funds appropriated in this award went towards the escrow costs at closing.
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CHALLENGES AND SOLUTIONS (specific to reporting period)

*24a. Task No., Sub-Task No.	*24b. Challenge	*24c. Solution
Swinomish Indian Tribal Community Non-Point Pollution Public Information and Education Initiative – Year 3 Tasks 2.1 through 2.3	Award and workplan are cancelled	A rescoped workplan was contracted on 1/9/17 to include the Swinomish Shellfish Program and the Hansen Creek property acquisition

HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

*25.
