



## 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>   | 4/1/2018   | <b>*2b. Reporting Period End Date:</b> | 9/30/2018 |
| <b>3. Subaward Organization (Name and complete address including zip code)</b><br>Name: Snoqualmie Indian Tribe<br>Address 1: 8130 Railroad Ave. Ste. 103<br>Address 2:<br>City: Snoqualmie State: WA Zip Code: 98065- |              |  | <b>4. Subaward Project Manager Contact Information</b><br>Name: Cindy Spiry<br>Phone: (425) 292-249 Ext:<br>Fax: (206) 384-6588<br>Email: cindy@snoqualmiation.com |  |           |
| <b>5a. EPA Program</b><br><br><b>LO - Tribal</b>   |              | <b>5b. Subaward Project Title and Contract No.</b><br><br>Lake Sammamish Native Kokanee Habitat Project and Kimball Creek Restoration Phase III / 15EPA PSP446 | <b>*6. Collaborating Organizations/Partners</b><br><br>City of Sammamish, Kokanee Work Group, Private Landowner, Trout Unlimited                                   |  |           |

|   |  |  |                             |
|---|--|--|-----------------------------|
| <p><b><u>Subawardee Submission Instructions:</u></b></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><b>LO Project Manager:</b> Dani Madrone<br/> <b>LO:</b> Northwest Indian Fisheries Commission<br/> <b>Phone:</b> 360.528.4318<br/> <b>email:</b> dmadrone@nwifc.org</p> <p><b>EPA Project Officer:</b> Lisa Chang</p> | <b>*7a. Name/Title of Person Submitting Report</b> | Cindy Spiry<br>ENR Director |
|   |  | <b>*7b. Date Report Submitted</b>                  | 10/31/2018                  |

## FUNDING/COST ANALYSIS

|  |  |  |                                    |  |             |  |             |
|--|--|--|------------------------------------|--|-------------|--|-------------|
| <b>8a. Total Assistance Amount Awarded:</b>  | \$122,200.00                                       | <b>8b. Funding Year (Federal Fiscal Year Funds Appropriated)</b> | FY 2015<br>-----<br>-----<br>----- | <b>*9. Amount Spent To-Date:</b>                                       | \$38,985.04 | <b>*10. Amount Reimbursed To-Date:</b> | \$38,985.04 |
| <b>11. Match Amount Required</b>   | \$0.00   | <b>*12. Total Match Amount Spent and Documented To-Date:</b>     |                                    | <b>*13. Have you experienced any cost overruns or high unit costs?</b> | No          |  |             |
| <b>*14. What issues or questions do you need the LO Project Manager to respond to?</b> | Please see challenges and solutions section below. |  |                                    |  |             |  |             |

## BUDGET UPDATE

|                                    | 15a. APPROVED BUDGET |        |              | *15b. SPENT TO-DATE |       |             |
|------------------------------------|----------------------|--------|--------------|---------------------|-------|-------------|
|                                    | LO (EPA) Funds       | MATCH  | TOTAL        | LO (EPA) Funds      | MATCH | TOTAL       |
| <b>Personnel</b>                   | \$41,320.00          | \$0.00 | \$41,320.00  | \$15,167.76         |       | \$15,167.76 |
| <b>Fringe Benefits</b>             | \$12,446.00          | \$0.00 | \$12,446.00  | \$4,988.30          |       | \$4,988.30  |
| <b>Travel</b>                      | \$0.00               | \$0.00 | \$ 0.00      |                     |       | \$ 0.00     |
| <b>Equipment</b>                   | \$1,500.00           | \$0.00 | \$1,500.00   |                     |       | \$ 0.00     |
| <b>Supplies</b>                    | \$28,129.00          | \$0.00 | \$28,129.00  | \$10,034.68         |       | \$10,034.68 |
| <b>Contracts</b>                   | \$0.00               | \$0.00 | \$ 0.00      |                     |       | \$ 0.00     |
| <b>Other</b>                       | \$0.00               | \$0.00 | \$ 0.00      |                     |       | \$ 0.00     |
| <b>TOTAL DIRECT CHARGES</b>        | \$83,395.00          | \$0.00 | \$83,395.00  | \$30,190.74         |       | \$30,190.74 |
| <b>Indirect Charges</b>            | \$28,805.00          | \$0.00 | \$28,805.00  | \$8,794.30          |       | \$8,794.30  |
| <b>TOTAL</b>                       | \$112,200.00         | \$0.00 | \$112,200.00 | \$38,985.04         |       | \$38,985.04 |
| <b>*Explain Any Discrepancies:</b> |                      |        |              |                     |       |             |

## ECOSYSTEM GOALS ADDRESSED

|                              |                       |
|------------------------------|-----------------------|
| <b>16a. Primary Goal</b>     | Healthy Habitat       |
| <b>16b. Additional Goals</b> | Healthy Species ----- |

## DIRECT THREATS ADDRESSED

|                                 |                                |
|---------------------------------|--------------------------------|
| <b>17a. Primary Threat</b>      | Invasive Species - Terrestrial |
| <b>17b. Secondary Threat(s)</b> | -----                          |

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

|  |                                 |
|--|---------------------------------|
| <b>18a. Primary Strategic Initiative</b> | Tribal Habitat Priorities       |
| <b>18b. Sub-Strategies Employed</b>      | A.5.1-4 A.6.1 A.6.4 B.5.3 C.9.1 |
| <b>18c. Near-Term Actions Supported</b>  |                                 |

## LINKAGES TO EPA PUGET SOUND PERFORMANCE MEASURES

|                       |                                  |
|-----------------------|----------------------------------|
| <b>19. Measure(s)</b> | Habitat Restored/Protected ----- |
|-----------------------|----------------------------------|

## LINKAGES TO PUGET SOUND DASHBOARD INDICATORS

|                                  |                           |
|----------------------------------|---------------------------|
| <b>20a. Primary Indicator</b>    | Floodplains               |
| <b>20b. Secondary Indicators</b> | Wild Chinook Salmon ----- |

## PROJECT LOCATION

|                                  |                       |                       |             |
|----------------------------------|-----------------------|-----------------------|-------------|
| <b>21a. Latitude</b>             | 47.567324             | <b>21b. Longitude</b> | -121.888727 |
| <b>21c. Hydrologic Unit Code</b> | 17110010 - Snoqualmie | -----                 | -----       |
| <b>21d. Action Area</b>          | 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”) |
|---|----------------------------|---------------------------------|--|
| Area restored by removing non-native invasive plant species | acres                      | 7                               | 5  |
| Area of buffer restored with native vegetation              | acres                      | 7                               | 1.5                                      |
| Native trees and shrubs planted                             | #                          | 8000                            | 2,580                                    |
| Length of streambank regraded and stabilized                | length                     | 1000                            | 1,450                                    |
| Volunteer events completed                                  | #                          | 3                               | 0  |

## 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> Lake Sammamish Native Kokanee Habitat Restoration Project |  |                      |              |  |   |
|--|--|----------------------|--------------|--|---|
| <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  | Project Management: Finalize buffer enhancement/site revegetation plan and submit to the landowner, Mr. Pereyra for review and approval. Obtain any necessary permits for removing invasive plant species within wetland and stream channel. Coordinate and participate in project related meetings. Notify landowner prior to planned restoration activities and volunteer events. Hold monthly staff meetings to | 9/30/18              | CURRENT      | Landowner approval of site restoration plan; Reports submitted to NWIFC; Staff/crew informed, supervised and trained; Local and/or state permit approval<br><br>Planting Plan; GIS Maps; Photo | MOU agreement between Tribe and City was finalized in July 2018 for the Zackuse Creek Fish Passage and Stream Restoration Project. Planting plan for the stream & wetland buffer areas associated with the culvert replacement under East Lake Sammamish Parkway and 400' ft of newly constructed channel upstream was finalized in May |

|     |   |         |         |   |  |
|-----|---|---------|---------|---|--|
|     | discuss/manage project. Prepare and submit semi-annual and final grant reports  |         |         | Documentation; Meeting Notes  | 2018. All environmental and cultural resource permits were obtained.   |
| 1.2 | Noxious Weed Control: Record infestations of non-native plant species using GPS hardware and GIS software. Clear, cut and hand remove blackberry and nightshade using gas powered brush cutters and hand tools. Treat re-growth of blackberry and other invasive as necessary with approved aquatic herbicide | 9/30/18 | CURRENT | At least 3 acres of target invasive plant species identified, removed and controlled<br><br>GIS Maps; Photo Documentation   |  |
| 1.3 | Riparian Planting: Reference historical and current vegetation communities in determining planting plan for forested wetland and understory planting. Plant a variety of native tree, shrub and groundcover species suitable for the current soil, hydro, canopy and exposure conditions.                     | 9/30/18 | CURRENT | 3 acres of riparian forested wetland buffer planted and enhanced; Min. of 3,000 native tree, shrub and groundcover species installed including shade tolerant conifer species (cedar and hemlock).<br><br>Planting Plan, Photo Documentation, Monitoring Data | Planting plan for first buffer planting area that's part of City and Tribe project has been completed. Apprx. 1,300 native plants to be installed in October 2018 along 400' section of new stream channel and adjacent wetland buffer areas totaling apprx. 1-acre. Another 300 native trees and shrubs will also be installed downstream within the stream buffer as part of two additional culvert installations completed King County. |
| 1.4 | Community Outreach: Host a minimum of three volunteer planting, maintenance and education events focusing on involving local schools, citizens, community groups, Tribal Members and partners.  | 9/30/18 | PLANNED | A min. 100 adult and youth volunteer participants will contribute 350 hrs. helping to plant & maintain project.<br><br>Photo Documentation; Sign-In Sheets; Press Releases; Media Coverage; Newsletters; PowerPoint Presentation                              | 2 separate volunteer planting events scheduled for 10/27/18 and also 11/3/18.  |
| 1.5 | Monitoring and Maintenance: Create and submit QAPP Addendum for Site Vegetation Monitoring. Set-up baseline, transects and photo points for annual vegetation monitoring. Perform annual vegetation monitoring. Conduct   | 9/30/18 | CURRENT | Maintain site 2-3 times per year in years 1-3; 80% or greater plant survival achieved after 3rd year.   | No monitoring tasks have been completed to date. Maintenance was completed around the initial 220 trees and shrubs that were installed last fall within the buffer   |

|  |  |  |  |  |                                     |
|--|--|--|--|--|-------------------------------------|
|  | upstream survey to identify and assess any sediment sources, addl. fish passage issues and confirm habitat conditions. Complete regular maintenance of buffer plantings to ensure site performance/plant survival rates. Maintenance activities will include: invasive plant control (mowing) & weed suppression, browse protection, watering and mulching, plant replacement. |  |  | Photo Documentation; Monitoring Data; GIS Maps | on the south side of Zackuse creek. |
|--|--|--|--|--|-------------------------------------|

**23a. Subaward Work Plan Component/Task:** Kimball Creek Restoration Phase III

**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  |
|-------------------|---|----------------------|--------------|--|--|
| 2.1               | Project Management: Finalize restoration site plan for weed removal, bank regrading and native planting and submit to landowner for approval. Submit streamlined JARPA with fish habitat exemption to state WDFW and King County for HPA review and approval. Hold monthly staff meetings to discuss and manage project. Prepare and submit semi-annual and final grant reports | 9/30/18              | CURRENT      | Landowner approval obtained; HPA approval; Reports submitted to NWIFC; Staff/crew informed, supervised and trained<br><br>Channel Design; Planting Plan; GIS Maps; Photo Documentation | A third private landowner (Moser) has given final approval to move forward with riparian restoration within all the buffers areas along his property totalling approx. 750 linear ft. and 2-acres of streambank buffer area. |
| 2.2               | Noxious Weeds Control: Clear, cut and mow mature blackberry and reed canary grass using mowing equipment, gas powered brush cutters and hand tools. Treat re-growth of blackberry and reed canary grass with approved aquatic herbicide   | 9/30/18              | CURRENT      | Min. 4 acres of non-native invasive plant species removed & controlled<br><br>GIS Maps; Photo Documentation  | Planned clearing of mature non-native blackberry in October 2018 on parcels owned by private landowners (Tate and Moser) along the south side of the creek directly across from where previous restoration work occurred. .  |
| 2.3               | Streambank Regrading: Contract with a qualified heavy equipment operator to pull back steep vertical cut banks to a   | 9/30/18              | COMPLETED    | An est. 1,000 linear feet of stream bank   | Follow up post project survey work resulted in measuring 1,450 ft. of streambank regraded on the   |

|     |  |         |         |   |   |
|-----|--|---------|---------|---|---|
|     | gentler slope per WDFW Streambank and Habitat Restoration Guidelines.  |         |         | regraded to a gentler slope.<br><br>Photo Documentation;<br>As-built drawings and maps  | Tate and Bacon properties instead of 750 linear feet estimate that was previously reported. The banks along the south side of the creek are also actively eroding and sloughing in some areas. We may decide to complete additional bank regrading work in this location during the summer of 2019.   |
| 2.4 | Riparian Planting: Plant a variety of native tree, shrub and groundcover species suitable for the current soil, hydro, canopy and exposure conditions.   | 9/30/18 | CURRENT | Establish multi-layer forested canopy layer creating at least 4 acres of native riparian buffer area; Plant a minimum of 5,000 native trees and shrubs consisting of 12 different native deciduous and coniferous tree species and 18 varieties of multi-layer shrub species.<br><br>Photo Documentation;<br>As-built drawings, maps, revegetation plan | Planning for additional riparian planting on Tate and Moser parcels along south side of creek totalling nearly 3 additional acres.  |
| 2.5 | Monitoring & Maintenance: Create and submit QAPP Addendum for Site Vegetation Monitoring. Set-up baseline, transects and photo points for annual vegetation monitoring. Perform annual vegetation monitoring. Maintain buffer plantings to ensure site performance/plant survival rates. Maintenance activities will include: invasive plant control, browse protection, watering and mulching, plant replacement. | 9/30/18 | CURRENT | Maintain site 2-3 times per year in years 1-3; 80% or greater plant survival achieved after 3rd year.<br><br>Photo Documentation;<br>Monitoring Data  | Seasonal buffer maintenance was completed twice during spring/summer 2018 on Tate property planting with assistance from outside contract crews. Monitoring baseline and transects were set-up and installed on the Tate planting site in July 2018. Vegetation survival monitoring on the Tate planting was not completed due to being short staffed. However, the project site was visited frequently to check on the condition of the buffer planting. |

## CHALLENGES AND SOLUTIONS (specific to reporting period)

| *24a. Task No., Sub-Task No. | *24b. Challenge   | *24c. Solution   |
|------------------------------|---|--|
| 2.1, 2.3 & 2.4               | Finalizing permission from third private landowner (Moser), who actually was one of the two original landowners that we were exploring working with 2-3 years ago. Receiving permission later rather than sooner will constrain time left within this grant to plan and complete bank regrading work (that is needed) and also planting of the entire area. | Request amendment to extend deadline of grant from 4/30/19 to 12/31/19 which would allow for sufficient time to implement additional bank regrading work and complete follow-up riparian planting. |
|                              |   |  |
|                              |   |  |
|                              |   |  |
|                              |   |  |
|                              |   |  |
|                              |   |  |
|                              |   |  |

## HIGHLIGHTS/LESSONS LEARNED/REFLECTIONS

|      |
|------|
| *25. |
|------|