



Exxon Valdez Oil Spill Trustee Council
General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects
Quarterly Project Reporting Form

**Detailed instructions for each section below are given in Section II. Quarterly Project Reports in the Reporting Policy on the website, <https://evostc.state.ak.us/policies-procedures/reporting-procedures/>*

Project Number: 22220612

Project Title: Eyak Lake Weir Restoration

Principal Investigator(s): Kate Morse, CRWP; Steve Namitz, USFS; Jeff Stutzke, DOT

Reporting Period: August - October 2022

Submission Date: December 1, 2022

Project Website:

<https://copperriver.org/programs/fish-habitat-restoration/restoration/eyak-lake/eyak-lake-weir/>
and
<https://copperriver.org/eyak-lake-weir-project-page/> Password: weir

Please check all the boxes that apply to the current reporting period.

Project progress is on schedule.

1. Summary of Work Performed:

“Provide a summary of work performed during the reporting period, including any results available to date, findings and/or project successes, and how the original project objectives are being met. Any deviation from the original project objectives should be discussed. Any known problems or unusual developments or any other significant information shall also be described.”

During quarter 3 of 2022, the Copper River Watershed Project made progress in convening partners and community members, conducting site visits, beginning data collection, and increasing outreach and education around the Eyak Lake Weir Restoration project. In September CRWP met with four U.S. Forest Service representatives from both local and regional offices at the Eyak Lake Weir site to discuss the project. This included the USFS Chugach Forest Hydrologist, Regional Program Manager, Forest Monitoring Coordinator, and local Biologist. September also had multiple high rain events in Cordova, which provided insight into current and future hydrologic parameters for the weir structure. CRWP staff visited the weir twice during



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the September high rain events to capture photographic documentation of the weir at these high flow events. These photos are posted to the partner and public project web pages.

On October 19th CRWP hosted the first Eyak Lake Weir replacement design review meeting. Twenty-eight attendees from 11 organizations participated and provided comments on the 15% design developed by DOWL engineers. One outcome of this meeting was that two sub-groups were formed specific to fish habitat and monitoring headed up by USFWS and USFS partners, respectively. These two sub-groups will meet to discuss and provide recommendations specific to their categories for the design process. Partners also decided to have a check-in on what we are calling 20% designs (Jan. 2023) in order to work out some new ideas raised at the 15% check-in. The 15% meeting was recorded and posted along with design comments and meeting notes to the CRWP private password protected partner webpage (<https://copperriver.org/eyak-lake-weir-designs-prelim-investigations/> password: weir).

Another outcome of the 15% design meeting was the need to convene a community member meeting for Eyak River and Lake boat users. Input from that user group was needed to help provide design specifications to support boat passage at some flows into the 20% design. CRWP scheduled the meeting for November and developed an outreach and communications plan to disseminate invitations and recruit all interested community members to that meeting. To keep community members informed of project updates and opportunities for input, the CRWP [Eyak Lake Weir project page](#) was updated.

October 2 - 5, DOWL was in Cordova for a weir site visit. Over two days, DOWL engineers worked with CRWP staff to collect discharge and velocity measurements and deploy equipment. Measurements were taken along two transects, one just upstream of the boat launch and the other between the weir and the highway bridge. At each transect eight discharge measurements were taken with the SonTrek Rs5 ADCP each day (a total of 32 discharge measurements). We deployed two Nortek ECO profilers (measure water velocities through the water column) upstream of the weir and the Nortek Aquadopp upstream of the boat launch near the discharge measurement transect for the purpose of creating an index-velocity rating curve. Three Onset Hobo water level loggers were also deployed. The USFS donated a jet boat and boat operator for one on-water day.

2. Abstract:

“Provide a shorter, more succinct summary of work performed during the reporting period and on the project overall, not to exceed 200 words. This summary will be used to provide regular updates on the project to the Trustees.”



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CRWP disseminated the 15% design documents and comment forms to 56 partners from 12 organizations. The first design meeting to review comments on the 15% designs was held on October 19th with 28 partners in attendance from 11 organizations. DOWL engineers will provide 20% designs for partnership review in January 2023.

Two sub-groups were established for further discussion and input on the fish passage and restoration monitoring aspects of the project. A community boat user group will convene in November for design input.

DOWL engineers and CRWP staff, with help from a USFS boat operator, began data collection, including discharge and velocity measurements and deployment of equipment. Sixty-four discharge measurements were collected over the two days across two transects. Equipment was also deployed that will measure water velocities through the water column at the weir, will create an index-velocity rating curve, and track water levels.

3. Coordination and Collaboration:

“For this section, provide information on coordination and collaboration with any other groups, if applicable. These may include entities like the Alaska SeaLife Center, the Prince William Sound Science Center, Native corporations or Tribes, local or other government entities, etc. If applicable, please explain how your project relates to or complements other nearby projects. Please discuss if there are any aspects of the project that have supported EVOSTC trust or other agency work or which have received EVOSTC trust or other agency feedback or direction, including the contact’s name(s) of the agency staff. If the project required or included collaboration with other agencies, organizations, or scientists, such arrangements should be fully explained, and the names of agency or organization representatives involved in the project should be provided. If the project conflicts with another project, please note this and explain why.”

CRWP coordinated three site visits with partners, hydrologists, and design engineers. CRWP coordinated a 15% design review meeting with 28 attendees from 11 organizations. Eyak Lake Weir project partners in Table 1 are included in emails with project updates and invited to participate in project planning. This list has grown from 21 partners in Q2 to 52 partners in Q3.

| Table 1. Eyak Lake Weir Restoration Project Partners | | | |
|--|------------------|--------------------|------------------|
| Brittany Blain/ADFG | Ben Wagner/DNR | Matt Billings/DOT | Christy Mog/USFS |
| Jay Baumer/ADFG | Cliff Larson/DNR | Robert Mattson/DOT | Kim Clark/USFS |



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| | | | |
|----------------------------------|-------------------------|------------------------|--------------------------|
| Kevin Keith/ADFG | Kim Bustillos/DNR | Ryan Anderson/DOT | Robes Parrish/USFS |
| Megan Marie/ADFG | Tom Barrett/DNR | Mitch Paine/FEMA | Steve Namitz/USFS |
| Michael Mazzacavallo/ADFG | AJ Wait/DNR | Erika Ammann/NOAA | Stormy Haight/USFS |
| Clay Koplin/CEC | Joni Sweetman/DNR | Johnse Ostman/NOAA | Tim Marshall/USFS |
| Scott Newlun/CEC | Daniel Adamczak/DOT | Brooke Mallory/NVE | Anna Senecal/USFWS |
| Kevin Johnson/City of Cordova | David Fischer/DOT | Matt Piche/NVE | Bill Rice/USFWS |
| Sam Greenwood/City of Cordova | Douglas Kolwaite/DOT | Pete Rand/PWSSC | Franklin Dekker/USFWS |
| Lisa Docken/CRWP | Jeff Stutzke/DOT | Rob Campbell/PWSSC | Heather Hanson/USFWS |
| Kate Morse/CRWP | Jeremy Botz/DOT | Brennan Cain/TEC | Jacob Adams/USFWS |
| Kirsti Jurica/CRWP | Judy Chapman/DOT | Tiffany Beedle/TEC | Jeremy Karchut/USFWS |
| Ashley Taylor/CRWP | Luke Boles/DOT | Angela Coleman/USFS | Jess Straub/USFWS |

4. Response to EVOSTC Review, Recommendations and Comments:

“Describe how any EVOSTC review comments or recommendations for the proposal or project were addressed during the reporting period, if applicable.”

No comments or recommendations to address during this reporting period.

5. Budget:

Federal partners' expenditures will be submitted with the quarter 4 report.



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| Budget Category: | Proposed FY 22 | Proposed FY 23 | Proposed FY 24 | Proposed FY 25 | Proposed FY 26 | 5-YR TOTAL PROPOSED | ACTUAL CUMULATIVE |
|---|-------------------|--------------------|-------------------|-------------------|-------------------|------------------------|----------------------|
| Personnel | \$138,200 | \$175,850 | \$91,653 | \$87,653 | \$0 | \$493,356 | \$5,255 |
| Travel | \$5,186 | \$2,902 | \$2,031 | \$28 | \$0 | \$10,147 | |
| Contractual | \$526,000 | \$4,074,761 | \$250 | \$0 | \$0 | \$4,601,011 | \$30,227 |
| Commodities | \$0 | \$30,000 | \$0 | \$0 | \$0 | \$30,000 | |
| Equipment | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Indirect Costs (30%) | \$36,017 | \$44,942 | \$10,419 | \$10,344 | \$0 | \$101,722 | \$4,606 |
| SUBTOTAL | \$705,403 | \$4,328,455 | \$104,353 | \$98,025 | \$0 | \$5,236,237 | \$40,087 |
| General Administration (9% of subtotal) | \$63,486 | \$389,561 | \$9,392 | \$8,822 | \$0 | \$471,261 | N/A |
| PROJECT TOTAL | \$768,889 | \$4,718,016 | \$113,745 | \$106,848 | \$0 | \$5,707,498 | |
| Other Resources (In-Kind Funds) | \$21,180 | \$16,380 | \$11,580 | \$0 | \$0 | \$49,140 | |

INSTRUCTIONS: This summary page provides a five-year overview (FY 22-26) of proposed funding and actual cumulative spending which includes the **non-trustee agency** and **trustee agency worksheets**. **This Summary Page should automatically populate as the formulas reference the cells in the non-trustee agency and trustee agency worksheets. Please make sure the totals given are correct.** The column titled 'Actual Cumulative' will be updated each fiscal year and included in the annual report (include information on the total amount actually spent for all completed years of the project). On the Project Annual Report Form, if any line item exceeds a 10% deviation from the originally-proposed amount; provide detail regarding the reason for the deviation.

COMMENTS: CRWP's federal negotiated IDC can only be applied to the first \$25,000 of contracts, so the formulas for IDC on the "CRWP Non-Trustee Worksheet" have been adjusted to reflect one contract in FY22 and two contracts in FY23.

| | | |
|----------------|--|----------------------|
| FY22-26 | Project Number: (assigned by EVOSTC office) Project Title: Eyak Lake Weir Restoration PM(s): Morse (CRWP) | SUMMARY TABLE |
|----------------|--|----------------------|