



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

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*\*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:** 21210131 (Includes 21210131)

**Project Title:** Alaska SeaLife Center Facilities Project \$2,000,000/\$500,000

**Principal Investigator(s):** Ben Smith

**Reporting Periods and Due Dates:**

| <i>Reporting Period</i>     | <i>Due Date</i> |
|-----------------------------|-----------------|
| February, March, April      | June 1          |
| May, June, July             | September 1     |
| August, September, October  | December 1      |
| November, December, January | March 1         |

**Submission Date:** August 31, 2026

**Project Website:** N/A

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

☒ **Project progress is on schedule.**

☐ **Project progress is delayed**

☐ **Budget reallocation request.**

☐ **Personnel changes.**



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## **1. Summary of Work Performed:**

### **Building Infrastructure:**

No additional lighting or building automation systems work was performed using EVOS funds for this reporting period.

### **Seawater Life Support System:**

Global Diving and Salvage was contracted to perform bathymetry to follow up on the state of the intake lines and the advancement of the Lowell Creek plume underwater. The deliverable included a detailed report and analysis. The plume is confirmed to be advancing towards the intake line somewhere on the order of feet or fractions of a foot per year. The image below captured from their report shows the area in question in purple.

#### **2.1 Lowell Creek Debris Plume Area**

Based on the comparison of the 2026 and 2021 datasets described in the Woolpert report, Appendix A, Section 1.1.2, the seafloor directly south of the Alaska SeaLife Center exhibits active sediment movement. The comparison shows both erosion and accretion across the survey area, with the Lowell Creek debris plume area showing significant material accumulation ranging from up to 1 foot to greater than 1 foot. Accretion is present in the area of Pipe B and localized around Pipe A. Review of the 2021 and 2026 bottom features also indicates downslope movement or softening of features as sediment deposits accumulate.

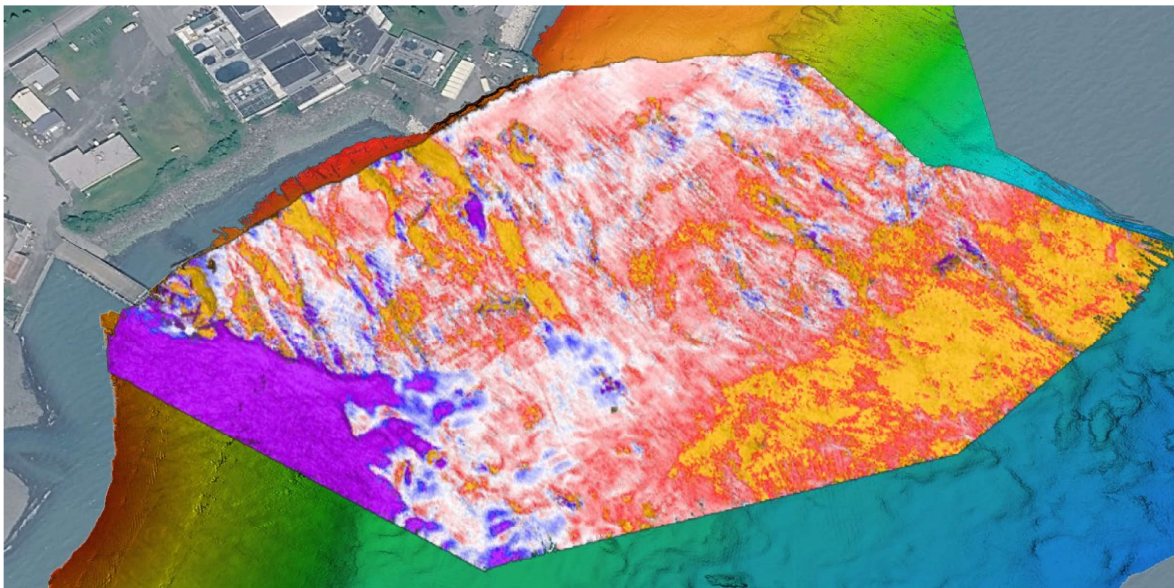


Figure 4 - 2026 vs 2021 Surface Comparison



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Next steps for the intake portion of the project are likely to be a preventative maintenance cleanout of salt water well chambers A and B as it was noted that around a foot of silt had accumulated since the last cleanout. Several silting events occurred during July and August of 2026 indicating that silting in the well likely increased.



*Image 2. Raw water supply silting event late July 2026.*

### **SeaWater Pump Replacements:**

The replacement 40hp motor sent for renewal was received and is staged for the next pump rebuild planned for LSS-5. This is the last remaining supply pump to be rebuilt. A new bedplate and grout job is also planned. ASLC staff intend to use this opportunity to replace some leaking supply pipe sections and simplify plumbing, improving efficiency and reliability in the process.



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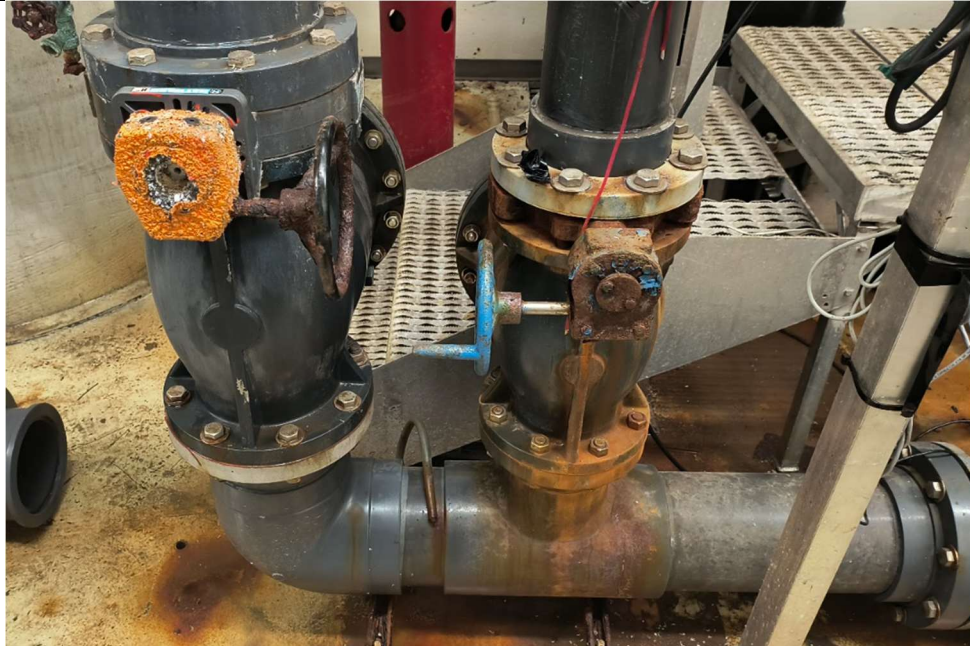


*Image 3. LSS 5 a 40hp Goulds VIT pump is the last supply pump awaiting rebuild.*



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*Image 4. Associated LSS-5 piping and inoperative valves will be replaced during the rebuild process*

In addition to pump repairs ASLC has been steadily update the Danfoss VFDs associated with the supply and treatment systems. A new VFD was installed for the critical ozone injection pump LSS-13 in the waste system. Newer VFDs originally used for LSS-6 and LSS-7 have been repurposed for fresh water well supply pumps.

Pumps LSS-6 and LSS-7 have been found to be inadequate for raw water supply. However, by shortening the columns, the pumps appear to be suitable for installation in the contaminated water well. ASLC staff are currently investigating the feasibility of repurposing these pumps for wastewater applications. This would provide an economical, long-term solution for wastewater ozone injection and treatment.

### **Ozone Water Treatment System:**

ASLC staff made significant upgrades to the ozone system by re-commissioning an AirSep unit which increases oxygen concentration to the ozone generators. This greatly increased waste ozone ORP levels which helps ensure compliance with discharge regulations. During these upgrades ozone cells were found to be failing in one of the generators, requiring a purchase of 4 new cells from Ozone Water Systems. ASLC inventoried it's collection of failed but rebuildable



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cells and intends to send them to OWS for rebuilding, which is approximately half the cost of new cells. ASLC made several upgrades to the waste system in response to an evaluation of the discharge permit to include temperature monitoring and logging of effluent flows, and installation of ultrasonic flow meters installed on the ozone contact towers. These will further help ASLC Operations staff to tune and adjust the system for peak performance. ASLC Contracted for Kaeser compressor service and maintenance, which was performed in August.

**Pump House Barrier:**

No additional work is planned for a pump house barrier wall until USACE projects are further along or completed.

**Cast Iron Drain Pipe Assessment:**

The ASLC infrastructure continues to suffer from drain leaks and blockages. ASLC continues with corrective maintenance on these systems but has not had the personal capacity available to initiate a more comprehensive assessment program.

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**2. Abstract:**

Bathymetry work confirmed the Lowell Creek debris plume is advancing on the intake line B. Silting remains a present issue and ASLC will likely have to perform another well cleanout, and is continuing to repair and rebuild supply pumps. Ozone systems were enhanced with an oxygen concentrator, new ozone cells, and compressor service. ASLC continues to replace VFD's on pumps to improve efficacy and reliability. No additional building automation work, was performed, and no new information is available to help guide decisions on fresh water pump house flood barrier construction.

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**3. Coordination and Collaboration:**

N/A

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**4. Response to EVOSTC Review, Recommendations and Comments:**

N/A

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## 5. Budget:

Please see next page.

| Budget Category:                        | Proposed<br>FY 22  | Proposed<br>FY 23 | Proposed<br>FY 24 | Proposed<br>FY 25 | Proposed<br>FY 26 | 5-YR TOTAL<br>PROPOSED | ACTUAL<br>CUMULATIVE |
|-----------------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|------------------------|----------------------|
| Personnel                               | \$0                | \$0               | \$0               | \$0               | \$0               | \$0                    | \$0                  |
| Travel                                  | \$0                | \$0               | \$0               | \$0               | \$0               | \$0                    | \$1,231              |
| Contractual                             | \$126,095          | \$0               | \$0               | \$0               | \$0               | \$126,095              | \$832,983            |
| Commodities                             | \$0                | \$0               | \$0               | \$0               | \$0               | \$0                    | \$135,744            |
| Equipment                               | \$2,373,905        | \$0               | \$0               | \$0               | \$0               | \$2,373,905            | \$1,069,125          |
| Indirect Costs (10%)                    | \$0                | \$0               | \$0               | \$0               | \$0               | \$0                    | \$190,760            |
| <b>SUBTOTAL</b>                         | <b>\$2,500,000</b> | <b>\$0</b>        | <b>\$0</b>        | <b>\$0</b>        | <b>\$0</b>        | <b>\$2,500,000</b>     | <b>\$2,229,842</b>   |
| General Administration (9% of subtotal) | \$225,000          | \$0               | \$0               | \$0               | \$0               | \$225,000              | N/A                  |
| <b>PROJECT TOTAL</b>                    | <b>\$2,725,000</b> | <b>\$0</b>        | <b>\$0</b>        | <b>\$0</b>        | <b>\$0</b>        | <b>\$2,725,000</b>     |                      |
| <b>Other Resources (In-Kind Funds)</b>  | <b>\$580,897</b>   | <b>\$0</b>        | <b>\$0</b>        | <b>\$0</b>        | <b>\$0</b>        | <b>\$580,897</b>       | <b>\$706,204</b>     |

**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:** Expenses through April 2026.

|                |                                                                                                                                      |                      |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>FY22-26</b> | Project Number: 21210131<br>Project Title: Alaska SeaLife Center Facilities<br>Project \$2,000,000/\$500,000<br>PM(s): Arnold, Smith | <b>SUMMARY TABLE</b> |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------|