



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: 23220507

Project Title: Port Graham Corporation General Restoration and Habitat Protection

Principal Investigator(s):

Principal Investigator -Stephen (Steve) Colligan, 3GLP, Inc dba E-Terra & Precision Flight Devices and Port Graham – E-Terra JV

Principal in Charge-Jon Shepherd, Port Graham Corporation, President

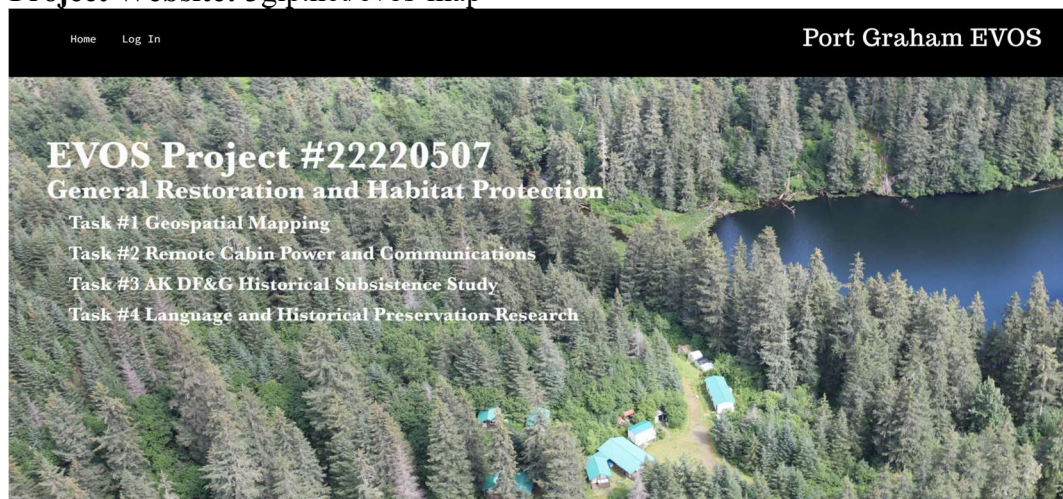
Project Finance- Renee Altman, Port Graham, Accounting Division Manager

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: February 23th, 2024

Project Website: 3glp.net/evos-map





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

Project progress is on schedule.

This project contains 4 sub-tasks. Most of the tasks in this project are on schedule and the project team is looking forward to the FY24 field data collection season. We have documented our progress and success of individual tasks in this report and are pleased with the progression of our incremental development. As described below, the weather during FY23 was a significant barrier to some aerial data collection. We have a solid plan and readiness to perform these delayed collections and will proceed as soon as conditions are possible in spring of FY24.

Project progress is delayed.

Described in details of Task 1 LiDAR and Photogrammetry data collection in this report. We were consistently weathered out from areas around Windy Bay and Rocky Lake due to persistent log fog, rain and wind. These collections are rescheduled for the first available opportunity in FY24. These collection areas are required for support of engineering and planning along the road system were in our secondary priority areas.

Budget reallocation request.

We are processing a budget reallocation request to move funding from “Contract” sub-Category to “Labor” Sub-Category for FY23. In our original plan we had budgeted Contracting for the processing and support of LiDAR and Photogrammetry data. We have performed these tasks inhouse with existing software, systems and capability. The increased workload from the records digitizing project also had an impact on our anticipated budget.

We are also processing a No Cost Extension of remaining funds in FY23 to FY24 to complete work that was postponed due to weather in FY23.

Personnel changes.

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1. Summary of Work Performed:

Project Task 1: Geospatial & Land Records Development

Geospatial Data Development:

PGC project team was successful in collecting and initial processing of strategic LiDAR and Photogrammetry in Q3 of 2023. We are in the process of performing point cloud classification and starting feature extraction for an updated village profile updating the dated 2005 planimetric drawings. We have worked with PGC staff on priority areas in the village to support infrastructure projects requiring design and permitting in Port Graham (see photo below).

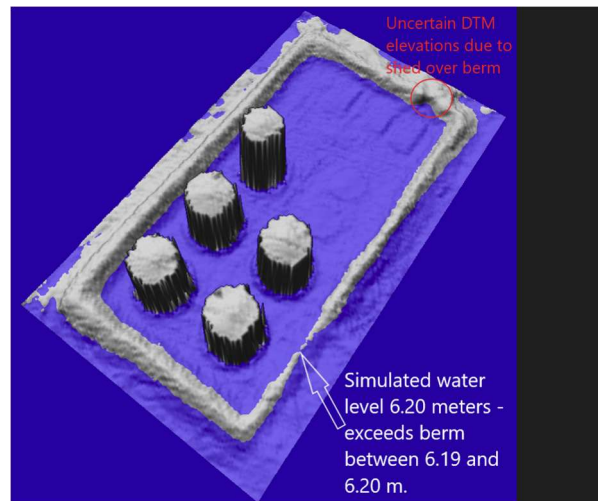
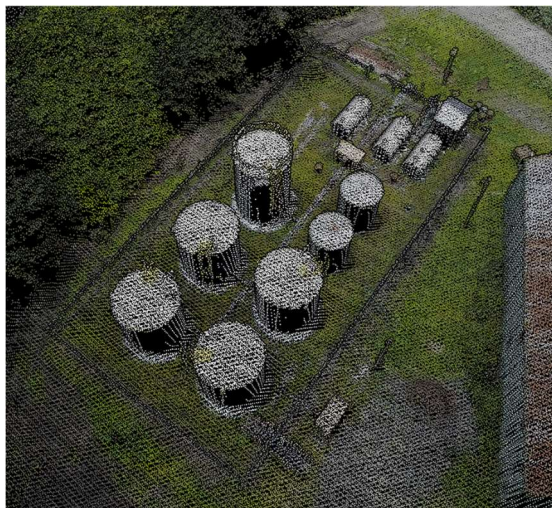


Photo Caption: simulated flooding the DTM (here including the 5 main tanks), resulting in a breach between 6.19 and 6.20 meters water level (NAVD heights).

Our team has been working with other field crews and agencies operating in the region this next spring through fall to update and prepare base maps and mobile data collection support. Last season we were successful in coordinating data with the other construction and science crews operating in the area. In the upcoming FY24 field season with the increased availability of Satellite data via Starlink, we can obtain more real-time data collection directly from the field. We are on track and prepared for the first available data collection of remaining target LiDAR collection areas in early FY24 as soon as snow cover and access for survey crews is available.



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We continue to work and coordinate with other agencies to update the progress of other geospatial information layers planned, scheduled, and collected that are in or near the PGC geographic region. We continue to track contracts and evaluate the geospatial accuracy of this information and track it through our GAP analysis spreadsheet and geospatial database. This information will be published to the EVOS science data librarian with our anticipated meeting and data hand-off March of FY24.

We were successful during FY23 in updating the parcel fabric layer for Port Graham lands through a mutual agreement with Kenai Peninsula Borough (KPB). The first hand off and delivery with KPB will be in March or April of FY24. This will be an ongoing effort to coordinate with KPB and other agencies as higher accuracy geospatial feature layers are created and updated. Coordinating with other agencies will be critical to ensure that this information is adopted for other mapping activities in the region. Specifically, this will be accomplished through publishing of the geospatial data through the EVOS science database and other regional, statewide and federal agencies. Within the Port Graham family of organizations, it will be distributed through our local networks and webservices infrastructure.

Our team has successfully implemented Open-Source Geospatial Webserver technology on PGC local server and through Amazon Web Services (AWS). The AWS implementation allows for increased backup and redundancy of the data, and faster access to the information from outside of the corporate offices of Port Graham. We are in the process of migrating existing geospatial information onto the platform in preparation of the FY24 field season.

Historical Land and Heritage Document Preservation:

Records Retention and archive of geospatial and critical community records is mostly complete. Work in the village administrative office remains and will be performed in FY24 Q1. The effort on this sub task was much greater than anticipated, as the originally described 200 or so boxes of data, was more than 600. The data included a wide variety of media sources, video's pre and post Exxon Spill geography, dance and community gatherings, historical photo albums, Maps and Drawings, documents containing Elder testimony, and more. All information has been digitized and is on PGC local server as well as copied to individual portable drives to deliver content for the individual owner groups of the data repository. A Master spreadsheet index of the contents and source archive location was maintained throughout the project. Letters from PGC management are being prepared for distribution with digital content to Chugach Regional Corporation, English Bay and PGC archives.

Project Task 2: Power and Communication Support

Remote Communications and Power at remote locations are critical for field support for the next 5 years. Starlink communications have been deployed during field season. Power equipment



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still remains to be done in FY24 within the equipment budget. A NCE Budget Extension is requested to complete this task.

Project Task 3: ADF&G Historical Subsistence Study

The Alaska Department of Fish and Game, Division of Subsistence, had a successful trip to Port Graham village, despite COVID hitting several houses before their arrival. Five ADF&G staff and two biologists from the Chugach Regional Resources Commission stayed in Port Graham through the week of January 22. Seven community members attended the project scoping meeting on January 22, and there was some productive dialogue about fisheries issues, and how the research team should approach the week with COVID being present in the community. ADF&G hired two local research assistants who were an enormous help with contacting households. Overall, the team surveyed 35 households, or almost 70% of the estimated occupied households. This is about the same rate that was achieved when the last conducted comprehensive surveys for the 2014 study year. Most surveys were well over an hour, and the research team sincerely thanks all the households that participated and shared their knowledge and concerns.

ADF&G plans to send a smaller crew back in April to do more focused key respondent interviews. We will provide progress updates at that time.



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Captions: Project scoping meeting in the Port Graham Community Center, January 22.
Field crew: Jackie Keating, Dustin Carl (CRRC wildlife biologist), Emily Doll, Christian Woodard, Kathleen Roush, Molly Brown, and Maddy Lee (CRRC fisheries biologist)



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Project Task 4: Language and historical preservation research

Contract support through Windy Bay Services was initiated in FY23. The local coordinator is facilitating work between Port Graham Village and Port Graham Corporation with ADF&G for the New Subsistence Survey starting in Port Graham January 2024. Staff were a great help in coordinating the recent AK DF&G Subsistence Surveys and community meetings. This effort will continue into FY24. They will also be involved in the in-village records digitization project in FY24.



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2. Abstract:

Project Task 1: Geospatial & Land Records Development

PGC started data research and coordination to assemble a composite base map that will meet national mapping standards and be usable as a primary data source for the Port Graham Corporation region and land holdings.

The first sub-task is to compile and research available data for the Region and provide a GAP Analysis of available public, private and required geospatial data to support the long term needs of PGC operations.

Compile critical archive documents and land records.

Develop and train staff to use and maintain geospatial data records, operational documents and records retention.

Project Task 2: Power and Communication Support

Remote Communications and Power at remote locations are critical for field support for the next 5 years.

Project Task 3: ADF&G Historical Subsistence Study

Task to update ADF&G Historical Subsistence study database and report. Since the signing of the initial contract for this project, we have been in contact with ADF&G Substance Division, to update the timeline and expectation on this task. We will be following up with EVOS, ADF&G to determine how this task and funds flow back to the department to perform work identified in this task We will continue to facilitate this discussion and update in our next reports.

Project Task 4: Language and historical preservation research

We have been in communications with Paluwik Heritage Foundation, the Port Graham non-profit. Much of this work is in the village in support of records research, elder testimony of subsistence and other critical records contained in Exxon legal files. They will also assist in the coordination and facilitation for ADF&G in the village. This task will be timed and in coordination with Task 3 the ADF&G subsistence report.

3. Coordination and Collaboration:

Q4 FY23 Update: PGC Project Team continues to participate in meetings, forums and cooperation with other entities/agencies.

In January 2024, project staff met with USFWS and USGS to discuss the revisions and rescoping of their watershed mapping project going in front of the EVOS board for approval. We reaffirmed the difference in the geographic extent and scale accuracy of the two different initiatives. Their data processing, source and accuracy of general planning information statewide



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is a desirable data source for Port Graham region-wide, but it is at a much more generalized scale that the detailed LiDAR data being processed to further land and resource management needs and requirements of PGC.

Project GIS personnel continue working with AXIOM the EVOS data librarian to create and update records in their data portal. Initial spreadsheet with inventory and assessment of available data was successfully uploaded in Q4FY22. We are preparing delivery of GIS features and updated GAP Analysis to Science Database through AXIOM.

4. Response to EVOSTC Review, Recommendations and Comments:

5. Budget: Cumulative Spending & Budget Q1, February through Q4 January FY24

Q1 FY23	Q2 FY23	Q3 FY23	Nov-23	Dec-23	Jan-23	Q4 FY23	FY23 Cum Total	Project Cum Total	5-YR TOTAL
Sub Total	Sub Total	Sub-Total	Inv #20	Inv #21	Inv #22	Sub-Total	Thru Q4 FY23	Overall	PROPOSED
\$ 245,812.45	\$ 300,907.85	\$ 315,058.65	\$80,445.00	\$75,425.00	\$66,690.00	\$222,560.00	\$1,084,338.95	\$ 1,983,205.90	\$ 3,839,268.00
\$ -	\$ 3,603.40	\$ -				\$0.00	\$3,603.40	\$ 4,295.00	\$ 148,780.00
\$ 33,040.02	\$ 45,598.31	\$ 84,724.62	\$880.00	\$4,737.50	\$2,110.00	\$7,727.50	\$171,090.45	\$ 333,277.95	\$ 1,425,000.00
\$ -	\$ -	\$ -				\$0.00	\$0.00	\$ -	\$ -
\$ 73,767.00	\$ 19,188.35	\$ 16,989.00				\$0.00	\$109,944.35	\$ 512,041.06	\$ 818,400.00
\$ 16,731.15	\$ 21,006.57	\$ 23,986.99	\$4,879.50	\$4,809.75	\$4,128.00	\$13,817.25	\$75,541.96	\$ 154,492.53	\$ 324,782.88
\$ -	\$ -	\$ -				\$0.00	\$0.00	\$ -	\$ -
\$ 369,350.62	\$ 390,304.48	\$ 440,759.26	\$86,204.50	\$84,972.25	\$72,928.00	\$244,104.75	\$1,444,519.11	\$ 2,987,312.44	\$ 6,556,230.88
									\$ 7,146,291.66