



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: 24220507

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

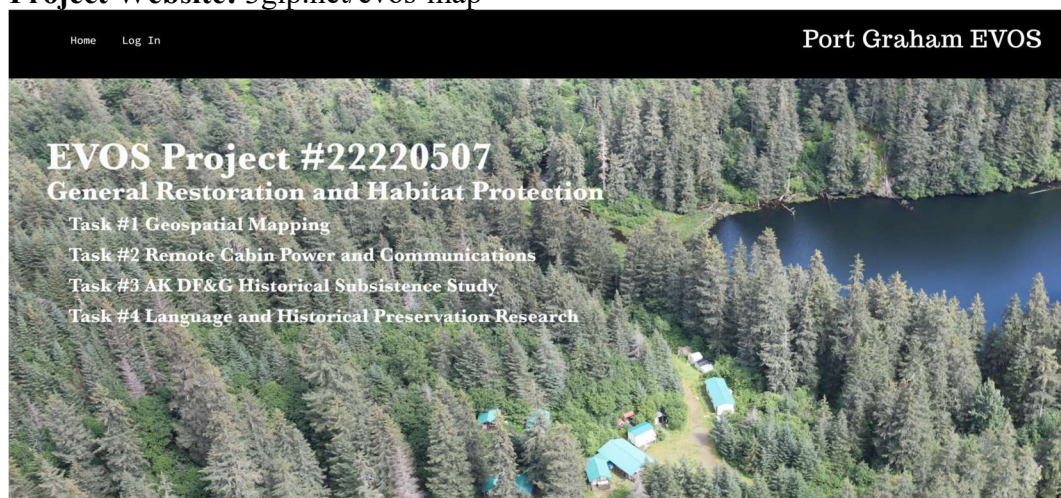
Project Finance- Larry Jackson, Port Graham, Village Operations Manager; Renee Altman, Port Graham, Accounting Division Manager

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: April 4th, 2025, Amended June 20, 2025

Project Website: 3glp.net/evos-map





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

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

☒ **Project progress is on schedule.**

This project contains four sub-tasks. All tasks in this project are on schedule, and the project team has had a successful FY24 field data collection season so far. We have documented our progress and the success of individual tasks in this report and are pleased with the progression of our incremental development. Weather has been an issue this field season (mostly heavy rain), but we managed to work through it and made great progress.

☐ **Project progress is delayed.**

We started the FY24 schedule on time, moving through the field season with support for our direct efforts, other team members, and other agencies in the region. We have accomplished our goals for the FY24 year and look forward to continuing these efforts into FY25. Despite continued unprecedented weather challenges, we were able to accomplish our data collection and field research goals. We have processed the collected data and continue to produce valuable data products to support current and future fieldwork and create management tools for the region.

☒ **Budget reallocation request.**

Port Graham requests a budget reallocation from the "Contracting" to the "Labor" category to offset the time that internal staff and services were used to perform data processing and field work instead of the originally anticipated contracting of external services.

Port Graham is also requesting a No Cost Extension (NCE) of the remaining fund balance from FY24 to FY25 to cover extended field work in the field season of FY25.

Both the budget reallocation and NCE will follow this report.

☐ **Personnel changes.**

1. Summary of Work Performed:

Project Task 1: Geospatial & Land Records Development

Geospatial Data Development:



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

The PGC team experienced a successful yet challenging summer collection season. We have been diligently processing geospatial and tabular data in preparation for the FY25 field season. Utilizing the FY24 data, we are updating the 2005 village profile and inventory maps for Port Graham, as well as compiling detailed shoreline and dock information to support remediation and engineering plans for the Port Graham Dock and shoreline infrastructure.

Unfortunately, Port Graham faced a failure of the Bulk Fuel header and dock, which allowed a ship to safely transfer fuel to the village. The availability of updated LiDAR and facility inventory has been instrumental in kickstarting the pre-engineering efforts for its eventual repair. The condition of the dock and general safety at the waterfront in the village have been longstanding issues. The new information collected under this project will help document, plan, and prioritize projects so they can be addressed incrementally, especially given the scarcity of general funding for these infrastructure initiatives.



Figure 1 Village Profile 2024 NW Airport and Dock



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



Figure 2 Village Profile Port Graham Doc Area



Figure 3 Port Graham Doc SLAM and Aerial LiDAR fusion

Link to Point cloud viewer:



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

<https://eterrabucket1.s3.us-west-2.amazonaws.com/Port+Graham/PortGrahamDock/cloud.html>

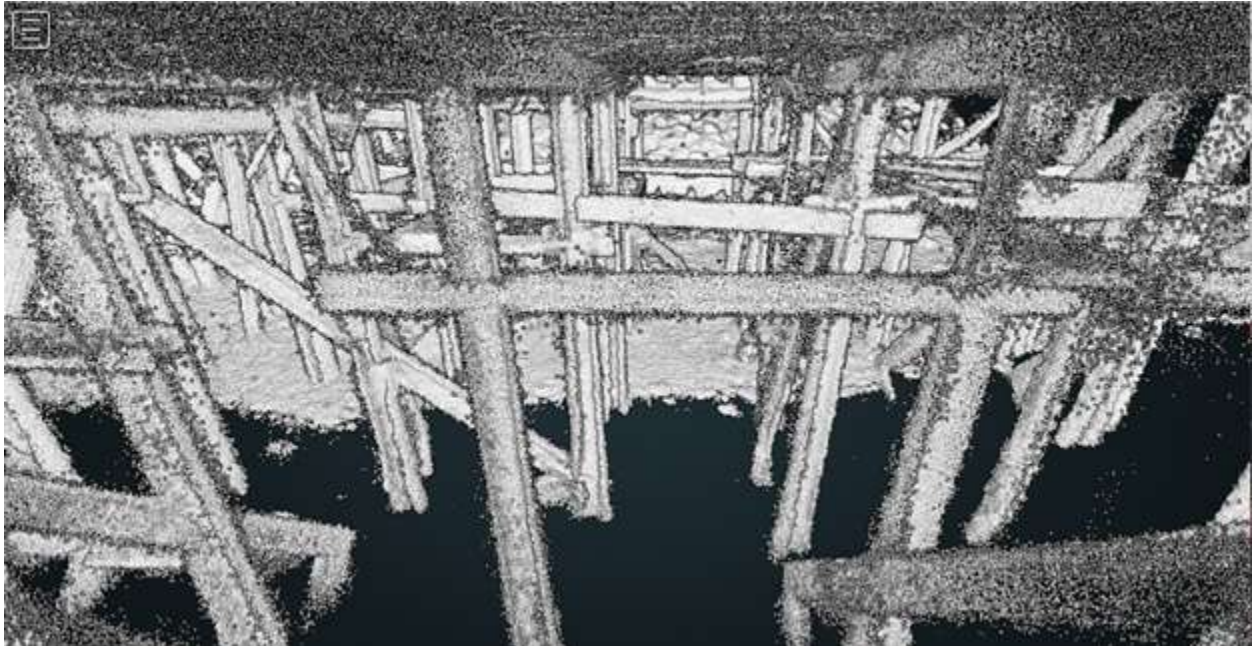


Figure 4 Port Graham Dock structure failure under near failed deck area SLAM LiDAR

We are preparing to conduct similar field support activities in FY25.

We are updating requirements and identifying new data collection areas for FY25 to support the USFWS Road, Culvert, and Bridge project, which we have integrated into our priority collection zones. We deployed GPS and GIS mobile technology, along with training for field crews, to ensure accurate infrastructure installation, process documentation, and effective project management.

Of particular interest is the documentation of trails, streams, and crossings off the main road, in collaboration with PGC and USFWS. We are working together to share updated base maps and tools to document these features in our collective database.

We continue to coordinate with other agencies to update the progress of various geospatial information layers that are planned, scheduled, and collected in or near the PGC geographic region. We are tracking contracts and evaluating the geospatial accuracy of this information, monitoring it through our GAP analysis spreadsheet and geospatial database.



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

Additionally, we have coordinated with the Axiom data librarian for EVOS to update geospatial data through data transfer to the science portal and to publish links to other data layers in progress.

The PGC team has installed and continues to maintain geospatial data and servers both locally in the office and via Amazon Web Services, as well as through ESRI GIS Web.



Historical Land and Heritage Document Preservation:

The new records archive is complete and transitioning to the records maintenance process for Port Graham assets. Records in the Village were completed in June and July. All records are deployed to a secure server for records retention, and permission-based access is being developed currently.

Records are digitally archived, while, GIS data and interfaces are under continuous development and deployment, and technology improvements at the Port Graham Museum are underway as an additional point of access to public information in the village.

The deployment of Starlink for internet access in the village has been key as an interim essential infrastructure and access to data and resources. At some point in the future, there may be a broadband solution, but for now, Starlink is an essential and viable solution.

These efforts are closely tied to Task 4 with Paluwik Foundation efforts.

Project Task 2: Power and Communication Support



Exxon Valdez Oil Spill Trustee Council

General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects

Quarterly Project Reporting Form

As reported in the Q3 report, PGC has teamed with the Montis Group to install remote cameras in several areas, starting with a location in the village that will cover the bay and airport approach areas. Design engineering and the purchase of equipment have taken place. The weather in the village delayed some fieldwork, but it is still moving forward to installation. In Q4, remote work was completed to design and locate a second camera system to be placed on East Chugach Island, which has a clear view of marine traffic through Chugach Passage on the southern coast. The location has a clear view of Windy and Rocky Bay, creating a universal data source for marine and aviation traffic awareness. Equipment for the second camera has been provided and is anticipated to be installed in the late summer of 2025. This will save a significant number of unnecessary flights and marine activity to the village by knowing in advance what the real-time weather conditions are.



The weather cameras use Starlink independently to report data to published websites for marine and aviation safety. For PGC, the Starlink satellite Internet antennas continue to be a huge asset in the village, at the remote cabins in Rocky Lake, and in supporting construction crews along the road system, which will also extend to situational awareness with the 360-degree weather cameras.

Project Task 3: ADF&G Historical Subsistence Study

In the Q3 report, the Alaska Department of Fish and Game's subsistence division has requested and processed a Notice of Change Extension (NCE) for the Updated Subsistence Study. This extension modifies the research and data processing timeline to align with the department's available resources and necessary review processes, ensuring the production of high-quality results. Attached to this report is the latest update from the department regarding this process.

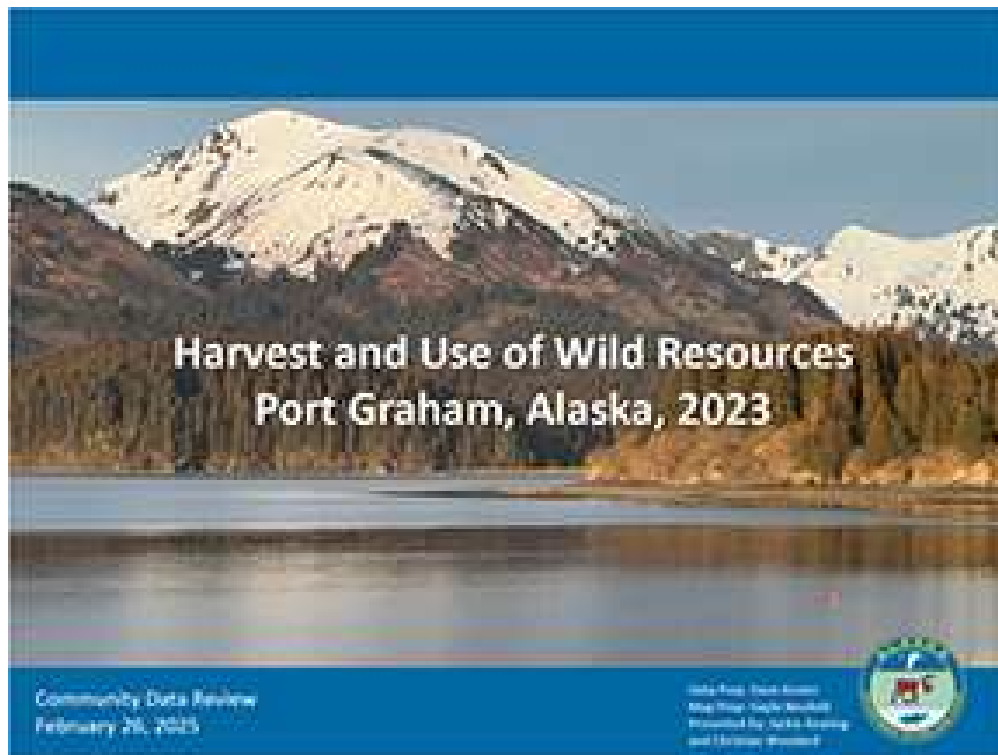


Exxon Valdez Oil Spill Trustee Council
General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects
Quarterly Project Reporting Form

We are pleased to witness the progress and commitment to completing a top-tier subsistence study that will benefit the Port Graham community and its surroundings.

We continue to collaborate closely with the ADF&G Subsistence group on this and other projects to enhance communication, coordinate fieldwork, and optimize various aspects for the maximum benefit of the region. As a community, we are very satisfied with the outcomes and the working relationship established with Alaska ADF&G throughout this project.

See the latest report attached:





Exxon Valdez Oil Spill Trustee Council

General Restoration, Habitat Enhancement, Habitat Protection, and Facilities Projects

Quarterly Project Reporting Form

Project Task 4: Language and historical preservation research

The PGC and Paluwik Heritage Foundation are dedicated to enhancing the local Port Graham Museum by incorporating advanced technological capabilities. These enhancements will expand access to recently digitized archival data and newly developed GIS data. Training sessions in the village on how to access and utilize the upgraded systems are planned for FY25 and will be coordinated with fieldwork aimed at promoting workforce development within the community. Furthermore, PGC and Paluwik continue to facilitate support and coordination between village operations and project staff from outside the area. They will uphold their vital role in ensuring village support, cooperation, and engagement across various projects.



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

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 Subsistence 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:

FY24Q4 Update: PGC Project Team continues to participate in meetings, forums and cooperation with other entities/agencies. We continue to support the other projects in the area with geospatial data to maximize efficiency and enforce new data accuracy standard through a common base map. We are preparing for multi-agency coordination of geospatial data compilation and dissemination through mobile tablets and web application for FY25 field work. First coordination meeting for FY25 activities, scheduled for March 24th, 2025.



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

Project GIS personnel continue working with AXIOM the EVOS data librarian to create and update records in their data portal. We have been working with Axiom to upload large data sets and prepare Meta data to EVOS standards. The Survey Parcel data is a bit complicated due to the historic Physical Surveys (or lack thereof). We are working with Registered surveyors to document the processes for the village where there are discrepancies between the Kenai Peninsula Borough, DNR Village profile from 2005 and our field work efforts. Of particular concern is the documentation of the remote parcels and BLM records and methods and resources used to improve them. We are fortunate to have a surveyor that was part of the original BLM Surveys. We are documenting the process and records used, so that it is not a week effort every time there is work in the area to research the basis of survey. All is documented in a surveyor report and Meta Data for the project. See JOA Survey report attached:

	JOA Surveys, LLC At the boundary between land and sea	5761 Silverado Way, N-201 Anchorage, AK 99518 ☎ (907) 563-6336 ✉ joa@joasurveys.com
Update to the Land Parcel Fabric of the Port Graham Corporation region		
Summary.....	1	
Methodology.....	2	
Updating Coordinates of Survey Corners.....	2	
Creation of ArcGIS Parcel Fabric.....	4	
MSW Shoreline.....	4	
Describe the Parcel fabric.....	5	
Details.....	5	
Appendix 1: Detailed Description of Parcel Data.....	6	
Townships Derived from New OPUS Solutions.....	6	
US Survey 4803 excluded.....	8	
Other Townships.....	18	
Island Townships from CUSP.....	25	
US Surveys.....	27	
US Surveys built from DOWL 2014-3 GNSS Points near Village of Port Graham.....	27	
US Surveys built from closing corners on west boundary of T9S R15W.....	38	
US Surveys in North Part of T9S15W.....	48	
US Surveys in Kanai Flords.....	51	
Port Graham Village.....	53	

4. Response to EVOSTC Review, Recommendations and Comments:



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

5. Budget: Cumulative Spending & Budget FY24 Q4,

GRAND TOTAL			Approved FY22-FY24	FY22 >FY24 Balance Forward	Cumulative	Remaining	5-YR TOTAL PROPOSED	Remaining Grant Balance
Budget Category: Feb 2022 -through- Jan 2025					Expense	Balance		
				NCE				
Personnel			2,356,860.00	\$ 367,549.90	\$ 2,873,630.65	\$ (149,220.75)	\$ 3,839,268.00	\$ 965,637.35
Travel			110,044.00		\$ 11,654.00	\$ 98,390.00	\$ 148,780.00	\$ 137,126.00
Contractual			1,200,000.00	\$ (367,549.90)	\$ 704,659.05	\$ 127,791.05	\$ 1,425,000.00	\$ 720,340.95
Commodities			-		\$ -	\$ -		\$ -
Equipment (NO Indirect allowed			758,400.00		\$ 699,046.06	\$ 59,353.94	\$ 818,400.00	\$ 119,353.94
Indirect Costs (6%)			220,013.84		\$ 200,396.62	\$ 19,617.22	\$ 324,782.88	\$ 124,386.26
SUBTOTAL			\$ 4,645,317.84	\$ -	\$ 4,489,386.38	\$ 155,931.46	\$ 6,556,230.88	\$ 2,066,844.50
					4,489,386.38	Matches PGC Expenses		

The budget table above was created after comparing the EVOSTC spreadsheet entries and the PGC cumulative entries. PGC reports and EVOS report tables have been corrected and amended and agreed to between accounting staff.

The yearend remaining balance of \$155,931.46 including a –(\$149,220.75) in the personnel line item are addressed in coordination with this report through a “Budget Re-Allocation Request” and a Non -Cost Extension request.

Exxon Valdez Oil Spill Trustee Council



Biennial Review of FY22-FY23 Program and Projects

Report to the Trustee Council

Drafted October 7, 2024

Updated February 4, 2025

Starting in FY22, the *Exxon Valdez* Oil Spill Trustee Council shifted from an annual public meeting and funding process to a five-year cycle. Along with the required annual and final reporting, in 2024 a biennial review of projects was conducted by EVOSTC staff, the Public Advisory Committee, and the Science Panel. The biennial review process is intended to provide feedback to PIs and to keep the Trustees informed regarding progress made on EVOSTC-funded projects in between Council meetings. Reviews are summarized in this report to Trustees.

The FY22-FY26 budget included in each project review reflects funding approved by Trustees in 2021 and 2022 and may also reflect any budget amendments that were approved since then. Please contact the EVOSTC office if you would like precise funding amounts. This document is locked from editing.

Port Graham Corporation General Restoration and Habitat Protection (24220507)

Primary Investigator(s): Steve Colligan (PGC)

EVOSTC Funding Approved (includes 9% GA)

FY22	FY23	FY24	FY25	FY26	FY22-26 Total
\$2,652,396	\$1,485,496	\$925,504	\$1,092,000	\$990,895	\$7,146,292

Non-EVOSTC Funding

FY22	FY23	FY24	FY25	FY26	FY22-26 Total
\$0	\$0	\$0	\$0	\$0	\$0

Abstract:

**This abstract is excerpted from the PI's Proposal, dated 08.20.2021, budget updated 08.19.2021.*

Port Graham Corporation (PGC) is located on the tip of the Kenai peninsula at the sea-bound entry to Cook Inlet. PGC lands encompass high mountain vistas, tidewater and massive glaciers, deep fjords, protected bays and inlets, and an abundance of marine mammals, fish, shellfish, birds and plants, all vital to the people that live on these lands. Access from major population also makes this region a destination for many visitors and user groups. This project will create the tools and infrastructure necessary for PGC to protect subsistence areas, restore resources and services, and protect and enhance critical habitats injured by the 1989 Exxon Valdez Oil Spill (EVOS). As one of the largest landowners in the oil spill affected area, all of the approximately 200 miles of coastline habitat owned and managed by PGC was injured by the Spill. PGC is requesting \$7.5M to work in partnership with 3GLP/E-Terra to preserve important land records located in village archives, audit and correct parcel ownership records, collect detailed data to support PGC infrastructure maintenance and development, compile a PGC region-wide base map and records system that meets or exceeds national map standards and invest in facilities that will redirect human use from impacted critical habitats and support other research or restoration activities. Establishing a baseline of data for impacted areas is essential in developing ecosystem wide management plans that continue to provide resources and services to not only PGC shareholders, but also other user groups. This project will benefit multiple species and services considered injured because of the spill. Over a 5 year period PGC and partners will train and utilize local workforce resources to implement tasks associated with goals. This proposal includes funds necessary to develop data acquisition and management to monitor and enhance habitat on spill damaged PGC land. Following this project, the CAC intends to continue to seek funding

to expand the facility to allow for other restoration and innovative services for the CAC Shareholders and community residents impacted by the oil spill.

Note: At the October 13, 2021 meeting, the Trustees approved funding this project contingent on the removal of Objective 2 (cabin electrification work).

FY22-FY23 Biennial Review

Science Panel	Executive Director	PAC
Not applicable	Moderate concerns	Moderate concerns

Recommendation: Request a detailed spending and results plan for FY25 and FY26 from the PI. Continue to hold invoices for payment in response to late and/or unacceptable reports, if an improvement is not seen by the first quarter of FY25, Trustee Council intervention will be requested by staff.

Executive Director Comments

Date: October 2024

This project is progressing as planned. Unfortunately, quarterly reports are almost universally late, and staff have to remind the PI, sometimes multiple times, to turn reports in. The reports often contain multiple errors and/or don't appear to be updated from the last report submitted. The PIs are sometimes communicative, but often times do not respond without multiple contacts by staff. This project is co-managed by ADF&G and the EVOSTC Office. Invoices are frequently submitted with errors and without the required supporting documents. Invoices are often withheld for payment until the required reports are submitted and accepted. Invoice format is not user friendly. Expenses reported on the quarterly reports are not well documented. Staff would like to see an improvement in the quality and timely submission of future reporting and invoices.

PAC Comments

Date: October 2024

Stekoll asked how the project fits into restoration and habitat protection, suggesting he would not have funded this expensive project. Whissel said he agreed to some extent, but the project fits a demand and need for information to support other projects. Colligan confirmed other projects use their GPS and mobile app in the field. Stekoll asked why the Science Panel did not review the project, and Wang stated they can request the Science Panel's review.

Stephens asked how the project would spend the remaining funds. Colligan stated they would finish the GIS database and conduct training. Internet availability was a big challenge before Starlink. They then moved many resources online and kept them available locally to help the community conduct their own work, which gets more people involved and supports the region.

After some discussion, it was established the project is funded by the research subaccount, and Stekoll asked about moving it to the habitat subaccount. There is about \$2 million total

left to be released for the project in FY25 and FY26 combined. Attorneys previously reviewed each project to determine which subaccount would fund it. Wang offered to look for that previous review. If the subaccounts are combined, Whissel did not think the funding source would matter.

Whissel acknowledged the project's shortcomings, but he supported it, noting its value and the benefits of knowing about the history of the land. Although collecting baseline data, such as mapping and hydrology, is incredibly expensive and challenging, he suggested the project data can make a real difference in Port Graham if they are able to use, leverage, and maintain it. The community has been doing a lot to bolster their natural resource stewardship, which he supports.

Whissel introduced a motion to proceed with moderate concerns and requested the Science Panel review the project or change the funding source away from the research subaccount. Cunningham seconded the motion. After discussing fiscal year calendars, the motion passed with four votes in support. Stephens abstained, and Stekoll opposed the motion, recommending the Council terminate funding for the project after FY25. Considering the delays in spending documentation in previous reports, he suggested it would be good to see the budget for the remaining tasks and how the remaining funds are spent.

Funding Recommendations (Fall 2021):

Science Panel	PAC	Executive Director	Trustee Council
Not applicable	Fund	Defer to Council	Fund Reduced

Science Panel Comments

Date: May 2021

No comments.

Date: September 2021

No comments.

PAC Comments

Date: September 2021

It is noted that there were questions by individual PAC members as to how this project will benefit injured resources and specific products that would be available. Steve Colligan (PI) was asked to clarify this during the meeting. Jon Shepard (PI) also contributed to the conversation. Emphasis by a PAC member that these data are managed by the Data Management Program. This was confirmed by the ED.

Executive Director Comments

Date: October 2021

I acknowledge the questions that were raised by individual PAC members. This project would occur on private lands but the PIs are committed to adhering to Council's data policy and data management services for this project are included in the Data Management Program

which gives confidence that the appropriate data will be archived and publicly available. This is also a large funding request and it remains unclear how this work would necessarily restore habitat.

4/27/2025

Exxon Valdez Oil Spill Trustee Council

RE: Response to EVOS PAC Comments to be included in FY24 Q4 Report

Project - Port Graham Corporation General Restoration and Habitat Protection, 24220507

EVOS Review - Initial meeting October 2024, updated February 4, 2025.

Thank you for this opportunity to respond to review comments. Attached are the specific comments from just the EVOS #24220507 taken from the general report on all projects reviewed by EVOS Staff, Science Committee and Public Advisory Committee.

There were two consistent items discussed in the meeting and presentation: 1) Financial and Progress Reporting and 2) Overall applicability of the project, narrow interpretation of the effects of the oil spill on local people and communities, from the public advisory committee.

1) Reporting and Timeliness:

This project has four separate sub-tasks within it, two of which are highly dependent on seasonal access to perform fieldwork. After EVOS approval in FY22, there was still a significant amount of time that passed as it needed to go through the legislative process after the legislative session to be approved by the Legislative Budget and Audit Committee to accept the funds into the Alaska Department of Fish and Game budget. It was then August of FY22 when a formal contract agreement was in place with PGC and AKDF&G. This project got off to a late start in FY22, narrowly missing the opportunity to perform any fieldwork in FY22. PGC had expended personnel resources and funds to acquire equipment, which had a significant lead time for acquisition, to try and maintain an originally estimated schedule. EVOS worked with PGC to reconcile these efforts, resulting in a transition period of EVOS to ADF&G billing and payment processing. Although PGC was successful in FY22, it was not able to perform all the fieldwork anticipated due to unprecedented weather conditions. Obtaining equipment and resources was also challenging at this time due to logistical challenges to the village and supply chain issues on the tail end of the COVID-19 pandemic. This resulted in the first No-Cost Extension request to continue work into the next Fiscal Year. During this same time, PGC, a growing organization, has had several internal staffing changes and centralization of accounting resources.

EVOS identified several billing items they would like to see added to PGC's existing billing processes. PGC complied with the identification of line items in the invoices by billing category and line-item numbering by Invoice Number – Receipt Report attached for each line item.

After the EVOS Advisory Board meeting and comments from EVOS Staff about the timeliness of the reports, the PI indicated that it is often the case that because of the multiple parties involved in the project, it often takes the full thirty days to assemble and review documents. The FYQ3 report narrative was submitted on time while waiting for the budget and billing for section 5 of the report. This seems to make little difference as the narrative and budget are reviewed separately.

Our reporting individual and cumulative numbers match, but the backend accounting on the Alaska ADF&G system, where bills are allocated to previously allocated fiscal years, has been troublesome for each line item.

We are currently working with EVOS Staff to reconcile the invoice postings to match the ADF&G accounting records.

We are committed to addressing these issues and working diligently with EVOS staff to document our bill and budget through the ADF&G accounting process.

2) Specific Direct Comments from Public Advisory Committee (PAC):

The other remaining issue in the PAC is a narrowly focused opinion of the impacts of the Exxon Valdez oil spill. Our board members find this concerning as Port Graham Corporation has over 200 miles of coastline affected by the oil spill. While we understand the passion for fish science, the Exxon Valdez Oil Spill had many other far-reaching impacts on not only the environment but also the economic stability and way of life of the people in the coastal communities. Fisheries were damaged, which had a cascading effect on local villages. Port Graham is one of the few organizations that has been able to hold onto their own land, leaving them land-poor in some cases as access to dwindling subsistence opportunities has diminished. The intent of this project is to empower the local community with the tools necessary to rebuild their resources, restore destroyed critical subsistence resources that are essential to maintaining cultural traditions that are dependent on those damaged resources while creating economic opportunities and maintaining a sustainable lifestyle.

Most of the lower Kenai Peninsula has never been physically surveyed; now a more consistent base map is being created from Port Graham and Nanwalek in Kachemak around to Seward, where Port Graham has land resources. These data are being collected, compiled, and published through the EVOS Science data repository, Kenai Peninsula Borough, and most importantly on local access points where everyone can use this information as a basis for permitting, operational activities, infrastructure developments and improvements, environmental planning, and economic development.

We look forward to continuing this project to improve the lives of those living in the region.

Sincerely,

Steve Colligan EVOS Project #507 Principal Investigator

Jon Shepherd, Port Graham, President