



PORT GAMBLE S'KLALLAM TRIBE
NATURAL RESOURCES DEPARTMENT
31912 Little Boston Rd. NE – Kingston, WA 98346

Request for Proposals
Port Gamble S'Klallam Tribe
Geospatial Data Warehouse

The Port Gamble S'Klallam Tribe is currently seeking proposals from qualified firms to create a data warehouse with user-friendly graphical user interface (GUI) for the Tribe's geospatial data. Interested firms or individuals must demonstrate extensive knowledge and experience in geospatial software, compiling and combining disparate sources of data, computer programming, and producing user-friendly, functional databases.

The purpose of the Port Gamble S'Klallam Tribe (PGST) Geospatial Data Warehouse project is to:

- Compile all sources of geospatial and georeferenced data from Tribal government departments, both historical and current, as well as from county, state, and federal sources
- Produce a data warehouse with user-friendly GUI that allows for easy viewing, manipulation, and editing of geospatial data
- Work with the Tribe's IT department to set up a server for the aforementioned data warehouse
- Produce a document anticipating the future data management needs of the Tribe

The Port Gamble S'Klallam Tribe is one of 29 federally recognized Indian Tribes in Washington State. The population of the Port Gamble S'Klallam Tribe is currently over 1,200 enrolled tribal citizens. About half the Tribe's citizens reside on the reservation, along with other Native Americans and non-Indians. It is located near the tip of the Kitsap Peninsula on a reservation of approximately 1700 acres. In order to deal with the growing volume of geospatial data the Tribe has produced as it continues to grow, it has become apparent that a centralized, easy to use data warehouse is badly needed. The successful consultant will be able to anticipate the needs of both backend and frontend users for this data warehouse and will provide a comprehensive, future-proofed product that will greatly enhance the efficiency of geospatial data acquisition, storage, and manipulation.

The project is located on the PGST Reservation and associated tribally owned properties and is under tribal jurisdiction. Tribal preference in hiring applies to this project.

This project is funded through by an EPA grant and must adhere to all conditions and rules set by the Exchange Network Grant Program.

Please provide a qualifications statement and pertinent work history with your proposal.



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Scope of Work

The consultant will lead in the development of a geospatial data warehouse from its inception to its final product. This will involve acquiring existing geospatial data from disparate sources, writing a Macintosh and Windows compatible custom program for accessing and manipulating geospatial data, configuring a server to work with the frontend, working with Tribal IT staff to ensure the project abides by the requirements of the Tribal network, and providing long-term support for the project including training for Tribal staff and direct support from the consultant.

The consultant will provide a general breakdown of costs for each of the tasks and deliverables presented below.

Deliverables

Please note that deliverables are subject to strict budgetary requirements. The Tribe will work with the selected contractor to produce a Scope of Work that falls within both its budgetary and time limitations.

Completion Date	Task	Deliverable
2/28/23	Work with Tribal IT staff to identify technical needs of project, coordinate activities, and determine how the project will fit in with existing IT infrastructure.	Document detailing what the data warehouse will entail as well as how it fits within the Tribe's existing systems
3/31/23	Acquire existing geospatial and georeferenced data with the assistance of Natural Resources staff. This data may be from Tribal and non-Tribal databases, may be in exotic file formats, and may require metadata reconstruction (if possible).	GIS file containing all compiled GIS data
8/31/23	Work on prototype data warehouse for testing purposes, including a user front-end that incorporates all requested features and	Beta data warehouse front-end with full functionality for testing*

* The front end will incorporate the following features:

- a) User upload, download, and simple manipulation of geospatial data
- b) Data controls that limit access to specific users
- c) File importation and conversion from common GIS programs (e.g. ArcGIS, Avenza Maps, Google Earth, AutoCAD, etc.)
- d) Intuitive interface for individuals with little or no GIS data experience
- e) Compatibility with Tribal systems
- f) Any other features Natural Resources or IT staff request after discussion with the selected consultant



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	capabilities as well as the back-end server interface in coordination with Tribal IT staff.	
12/31/23	Test the beta front-end for bugs, incorporate any features or capabilities that are requested during testing, and ready the program for the official roll-out.	Final, bug-free data warehouse and front-end that has been approved by Natural Resources and IT staff
12/31/23	Produce a forward-looking data management plan that will determine the Tribe's current and future data management needs as well as steps the Tribe should take to ensure data integrity is maintained and is accessible into the future as staff, operating systems, and hardware components change. The plan will include any ongoing training and/or support needs and will include all departmental data in addition to the Tribe's geospatial data.	A document or series of documents containing the data management plan; training materials for Tribal staff

The Port Gamble S'Klallam Tribe reserves the right to accept any proposal deemed to be in the interest of the tribe, to waive any minor irregularities in any proposal, to re-solicit for new proposals as deemed necessary by the tribe, or not to award any contract at all. The Port Gamble S'Klallam Tribe reserves the right to the award a contract based on the proposal expected to be the most beneficial to the tribe based on qualifications and cost.

The Port Gamble S'Klallam Tribe, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, nondiscrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Please submit proposals electronically to jcarter@pgst.nsn.us by **December 11th, 2022**. This email address may also be used for any queries related to this Request for Proposals.