



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

**Request for Proposals**  
**Port Gamble Nearshore Restoration Design**

**Posted: February 12, 2020**

**Proposals Due: March 31, 2020**



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The Port Gamble S'Klallam Tribe is currently seeking proposals from qualified firms for conceptual (30%) and preliminary (60% permit ready) engineered habitat restoration design for the Port Gamble nearshore, which is located on the Western mouth of Port Gamble Bay. The restoration design is funded by a Washington State Estuary and Salmon Restoration Program (ESRP) grant. The engineered restoration design will include a combination of upland, marine riparian, and intertidal activities involving removing shoreline armor, sloping the shoreline, placing intertidal and subtidal nourishment, and revegetating the site to produce habitat for salmonids, forage fish, shellfish and other species.

**DESCRIPTION**

The overall restoration will improve sediment dynamics and wave dissipation, leading to a restored beach profile, restored aquatic vegetation, improved nearshore connectivity and restored sediment composition. The goal of the restoration is to 1) improve salmon access to restored rearing habitat within the project area, 2) restore forage fish spawning habitat with a focus on the critically important Port Gamble Bay herring stock, 3) improve salmonid refugia within the project area, and 4) restore standing biomass.

The restoration footprint encompasses approximately 13.5 acres in the central/eastern area of the site (see attachment) including the tidelands and bluff. However, the project will incorporate restoration designs for adjacent areas to the extent needed, including for the northern and southern areas of the site, which would be completed as separate projects under other processes.

Currently, approximately 10.7 acres of the site are covered with fill material that extends to depths of 15 feet below ground surface on top of underlying native material. Over 3,000 linear feet of shoreline are armored with rip rap on a 3:1 slope. A rock wall jetty is located just north of the point, vegetation is absent and nearshore topography has been altered. The width of the bay mouth has been reduced from a historical minimum of 1,110 ft. to the current 842 ft. width at MHW.

The Pope & Talbot Mill was built in 1853 and operated continuously until its closure in 1995. Situated on the Port Gamble S'Klallam people's ancestral land and opposite PGST's current Reservation, mill operations released large quantities of heavy metals, dioxins/furans, polycyclic



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aromatic hydrocarbons, and petroleum hydrocarbons onto the site itself and into the bay. Since its closure, the mill site has undergone cleanup operations under MTCA in 2002-2005, 2007, and in-water cleanup completed in 2017. The site will be subject to an upland cleanup operation focused on removal and containment of dioxins/furans scheduled for completion in 2021. In addition, in 2021 the Tribe and the landowner will close on a conservation easement agreement for 18.4 acres of the site and adjacent tidelands to prevent development in perpetuity and to provide restoration and public access. The nearshore restoration will build on these cleanup and conservation efforts.

## **SCOPE OF WORK**

### **I. Conceptual 30% Design**

The conceptual design is the first stage of developing site-specific restoration actions and is based on a feasibility restoration design that was completed in 2016 (attached). The conceptual design should be guided by specific desired outcomes or objectives. Adequate technical information must be collected from the site to evaluate existing conditions and develop concept-level restoration techniques and alternatives. The preferred alternative concept must be documented with detailed drawings and a written report sufficient to explain and support proposed actions as well as guide the next stages of design. The Tribe will facilitate a public process to solicit comment from stakeholders regarding the alternatives and selection of a preferred alternative. The written report should respond to and incorporate stakeholder input.

The consultant shall produce a **conceptual design report and drawings** that includes the following:

- Description of the project site and the problems within the context of shoreline, site, and salmon recovery.
- Identification of specific goals and objectives to address the problems.
- Description and results of any hydrologic, hydraulic, geotechnical or other assessments conducted in conjunction with conceptual designs.
- The northern area restoration design will be completed to the extent it will inform the central/eastern restoration design. The eastern area nearshore design will accommodate jetty and armor removal in the northern area of the site to be potentially completed as a separate future project.
- Public access areas and trails will be incorporated into the site designs.
- Analysis of capping, contaminated soils and any other MTCA upland cleanup procedures and restrictive covenants on or planned for the site that intersect with the restoration area. The design report will include proposed solutions for completing the restoration in areas that occupy cleanup actions.



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- Identification and conceptual design of alternatives to achieve the project objectives. Each conceptual design alternative must include a description of the design and a plan view drawing of existing site conditions and the proposed project on accurately scaled site plans. The plan view drawing must include an area/location map, property boundaries (either surveyed or approximated based on assessor's data), landownership, roads or other infrastructure as appropriate, scale, north arrow, water bodies, mean high water line, and approximate dimensions of proposed elements.
- Evaluation and discussion of stakeholder comments and the pros and cons of each alternative. Stakeholder process to be facilitated by PGST.
- Selection of the preferred alternative(s).
- Rough construction cost estimate of the preferred alternative(s).

## **II. Preliminary 60% (permit-ready) Design**

Permit-ready preliminary engineered designs must adequately describe all proposed project elements in sufficient detail for permit and stakeholder review and authorization. The following project deliverables are required for preliminary design projects:

- Permit-ready design report, drawings, construction quantities, and engineering cost estimate. While the design team may structure the design report to suit the unique circumstances of its project, in general, the design reports should include the following elements: Introduction, existing conditions, Preliminary design alternatives, preferred alternative, design considerations and preliminary analyses, permitting and stakeholder consultation, and appendices (including references, analytical and model inputs, outputs, and other supporting documentation).
- The northern area restoration design will be incorporated as needed.
- Analysis of capping, contaminated soils and any other MTCA upland cleanup procedures and restrictive covenants on or planned for the site that intersect with the restoration area. The design report will include proposed solutions for completing the restoration in areas that occupy cleanup actions.
- The report includes a revegetation plan with plant species recommendations.
- Draft permit applications materials completed
- Technical support to the Tribe for southern mill restoration as needed and design of the transition area between the southern and central/eastern restoration.



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**DELIVERABLES**

Completion Date	Tasks
10/30/20	Central/Eastern and Northern Areas Conceptual Design 30% - Conceptual Design Alternatives Analysis - Initial Cost Estimates and Phasing <i><u>Deliverable: Draft Conceptual Design Report and Drawings</u></i>
12/31/20	Central/Eastern and Northern Areas Conceptual Design 30% - Incorporate Stakeholder Input on Alternatives - Selection of Preferred Alternative <i><u>Deliverable: Final Conceptual Design Report and Drawings</u></i>
9/30/21	Engineering Requirements for MTCA Cleanup - Analysis of Capping and Other MTCA Requirements for Each Alternative - Cost Estimates and Phasing <i><u>Deliverable: MTCA Requirements to Be Incorporated into Conceptual Design and in More Detail into Preliminary Design</u></i>
7/30/21	Central/Eastern Preliminary Design - Permit-Ready Preliminary Engineered Design of Preferred Alternative - Cost Estimates and Phasing <i><u>Deliverable: Draft Preliminary Design Report and Drawings</u></i>
9/30/21	Central/Eastern Preliminary Engineered Design 60% <i><u>Deliverable: Final Preliminary Design Report and Drawings</u></i>
12/30/21	Southern Area Technical Support for Restoration Design - Technical Support for Southern Area Design Under Separate Process - Design Transition between Southern and Eastern Restoration Areas <i><u>Deliverable: Preferred Alternative Review and Recommendations for Southern Restoration Area</u></i> <i><u>Deliverable: Engineered Design for Transition Between Southern and Central/Eastern Restoration Areas</u></i>
10/31/21	Initial SEPA and Permits - Complete Draft SEPA and Permit Requirements - Permitting Fees Cost Estimates and Schedule <i><u>Deliverable: Draft SEPA and Permit Application Documents</u></i>

**PROPOSAL REQUIREMENTS**

The proposal should include the following details:

1. Qualifications statement and pertinent work history. Design must be certified by a licensed engineer.



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2. Cost estimates and hours for completing each deliverable.
3. Proposed methods and approach to completing the above scope of work and schedule.

Please submit proposals electronically to [romac@pgst.nsn.us](mailto:romac@pgst.nsn.us) by 4:00pm March 31, 2020. This email address may also be used for any queries related to this Request for Proposals.

**ATTACHMENTS**

- Map of Site Areas
- Parcel Map
- Feasibility Study Restoration Design