



ISLAND COUNTY DEPARTMENT OF NATURAL RESOURCES  
REQUEST FOR PROPOSAL  
ENVIRONMENTAL CONSULTANT AND ENGINEERING  
SERVICES

ISLAND COUNTY DEPARTMENT OF NATURAL RESOURCES  
REQUEST FOR PROPOSALS  
ENVIRONMENTAL ENGINEERING CONSULTANT SERVICES for SEDIMENTATION AND  
GROUNDWATER DATA COLLECTION AND SYNTHESIS for IVERSON PRESERVE AND LIVINGSTON  
BAY

Purpose of Request:

Island County Department of Natural Resources is soliciting interest from consultants who wish to be evaluated and considered to provide services for collecting groundwater hydrology and sedimentation data in Livingston Bay and analyzing findings with reference to site restorations studies conducted in 2001. This project involves three tasks. Each task has suggested Sub Tasks associated but consultants are encouraged to modify these using their subject matter expertise.

**TASK 1:** Characterize sedimentation patterns to evaluate the effects on current drainage from the field, ditches and natural tidal channels to Livingston Bay and, to the best extent possible, predict future effects on drainage.

1.1 Sediment core and sediment trap analysis to determine current and historical sedimentation rates and composition. Concentrated core sampling efforts should target the salt marsh preserve, inner lagoon, southern-nearshore portions of Livingston Bay along Long Beach, and be sufficient to determine if sedimentation changes indicate an increased accumulation within the lagoon and associated extension of the tidal flat, such that drainage would be retarded from within Iverson Preserve. Characterization and analysis of the physical processes in the lagoon and tidal flats should determine if there is a net influx or export of sediment from the lagoon (between the tidegate and the bay).

1.2 Surface sediment sampling efforts should be conducted across a broad area to assess distribution by currents/waves, sediment sources and flux with the goal of modeling future conditions along Long Beach north into Livingston Bay.

**TASK 2:** Characterize the groundwater behavior and response to tides to determine the extent of tidal forcing. Collection of data to determine how ground water levels in Iverson Preserve respond to tidal forcing, storm events, and seasonal changes. This task should consider continuous data collection from drainage ditches, ponds, and other ground water sources for a 13 month tidal cycle.

**TASK 3 (Optional):** At a later date, provide preliminary feedback on draft solutions to drainage and sedimentation concerns. Provide preliminary feedback on the feasibility of potential solutions to surface water drainage in and around Iverson Preserve as developed by a task force of stakeholders. These potential solutions will be developed by a taskforce using the information obtained by Tasks 1 and 2 as well as creative and unconventional ideas. Preliminary feedback on these potential solutions will assist in determining which are moved to further development.

Island County encourages disadvantaged, minority, and women-owned consultant firms to respond. Professional services rendered by any person, contracting to perform activities within the scope of the general definition of professional practice per RCW 18.08, 18.43, or 18.96 must have Professional Registration (or other appropriate license) in the State of Washington and must be registered as a company licensed to perform "engineering services" in the State of Washington.

Project Background:

The Island County Iverson Preserve and neighboring privately-owned properties have been experiencing increasing frequency of flooding. A portion of the Preserve which has been farmed (hay) for over 80 years has also been



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experiencing more frequent flooding events. The Preserve's agricultural field drainage is managed by a system of ditches that flow to the marine nearshore through a flap tidegate located in a County-maintained dike. Reduced flows of surface and storm water via the ditches and tide gate has been observed by Island County Public Works staff, homeowners and park users. Two studies were performed in 2001 as part of a restoration feasibility analysis (Philip Williams & Associates, Ltd, 2001) (Sheldon & Associates, Inc., 2001) and can be reviewed on the website: <https://www.islandcountywa.gov/Health/DNR/Pages/Iverson-Improvement-Project.aspx> . Island County Department of Natural Resources, in collaboration with the Iverson Stakeholder Task Force is interested in evaluating the sedimentation and drainage patterns within the Preserve and in the nearshore to develop potential solutions to the drainage issues for the Preserve.

**Submittal Requirements:**

Consultants are invited to submit their proposal for services at their own cost. Materials submitted in response to this competitive procurement shall become the property of Island County and will not be returned. All submittals received will remain confidential until Island County and the successful Consultants sign the agreements resulting from this advertisement. All submittals are deemed public records as defined in the RCW 39.26.030 and Chapter 42.56.

**Materials to Submit:**

Interested consultants must submit their proposal no later than **3:00 PM, April 22, 2016**. Proposers are solely responsible for ensuring that proposals are delivered on time. The outside of the submittal package shall be labeled "Livingston Bay and Iverson Preserve Nearshore Hydrologic Project – Request for Proposals". Proposals received after the due date and time will be returned unopened. Faxed or e-mailed proposals will not be accepted.

The Proposal Package shall:

- Be labeled "Livingston Bay and Iverson Preserve Nearshore Hydrologic Project – Request for Proposals";
- Include an introductory letter, with a brief description of the firm and the firm's experience performing services of interest;
- Include the firm name, phone and fax numbers, email address for point of contact; Federal Tax Id Number; DUNS Number; UBI Number and if applicable D/M/WBE Certification Number;
- Include a list of similar services provided to other governmental organizations or NGOs in the last five (5) years;
- Include a team roster identifying the project manager and all team members and any subcontractors proposed to be working on the project;
- Include a statement of acceptance of the County's contract language and insurance coverage requirements;
- Include a detailed scope of work and cost breakdown for proposed services, by Task Number 1 – 4;
- Three copies of all submittal documents.

**Evaluation and Selection:**

As per Island County Code 2.29.040; the County will award the contract to or make the purchase from the qualified contractor or vendor whose proposal is most advantageous to the County with the price and other factors considered. The County may reject any and all proposals for good cause and may then request new proposals.

**Due Date:**

The submittal must be received no later than **3:00 PM on April 22, 2016**, at the following address:

Island County Department of Natural Resources

Lori Clark, Manager

P.O. Box 5000

Coupeville, WA 98239

Phone Number: 360.679.7352

Fax Number: 360.679.7390

Physical Address: 1 NE 6<sup>th</sup> Street



## Reference Extent For Iverson RFP



The following map is intended to be used as a GUIDE. Island County is providing this information as a general geographic representation that should not be used for precise measurements or calculations. Some of the features on this map are not accurately depicted. Any user of this map assumes all responsibility for use and agrees to hold Island County harmless for liability, damages, or loss incurred by use of this information.