

# PROJECT REVIEW SHEET - EZ1

## HISTORIC & CULTURAL RESOURCES REVIEW

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**Property / Client Name:** Powel Shoreline Restoration Implementation, 11-1505  
**Worksite Name/Number:** Powel Property (Worksite 1 of 1)  
**Funding Agency:** Rec. and Conserv. Office

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**Project Applicant** Bainbridge Island Land Trust  
**Contact Person** Brenda Padgham  
**Address** 221 Winslow Way West #103  
**City, State, Zip** Bainbridge Island, WA 98110  
**Phone** (206) 842-1216  
**E-Mail** brenda@bi-landtrust.org

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### Funding Agency:

**Organization** Rec. and Conserv. Office  
**Address** PO Box 40917  
**City, State, Zip** Olympia, WA 98504-0917  
**Phone** 360-902-3000  
**Contact** David Caudill, Email: Dave.Caudill@rco.wa.gov

<b>PLEASE DESCRIBE THE TYPE OF WORK TO BE COMPLETED</b>
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(Be as detailed as possible to avoid having to provide additional information)
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### Provide a detailed description of the proposed project:

The Powel Shoreline Restoration Implementation Project will restore over 1544 lineal feet of privately owned shoreline in Port Madison, Bainbridge Island by removing shoreline armoring. The project will result in increases in various habitats on the property, including an overall increase of 163 percent in current intertidal habitat area, almost tripling the amount of salt marsh habitat over time, and enhancing 32,795 square feet of marine riparian habitat. This project addresses lost salt marsh, intertidal habitats, and marine riparian habitat typically associated with armoring and focuses on recreating shallow intertidal habitat important to juvenile salmonids, particularly ESA-listed Chinook, for migration, feeding, refuge and physiological transition. The nearshore environment associated with this property is home to documented juvenile salmon and forage fish, as identified in Westsound Watersheds Council's 3 Year Salmon Recovery Plan Implementation List. This is a showcase project to other private shoreline landowners to increase awareness of the importance and option of restoring nearshore habitats in Puget Sound. This project is Phase II of a two phased project and implements Phase I, the Powel Shoreline Restoration Design Project, SRFB project #09-1961N, which resulted in a final design approved by the landowner, and other stakeholders (WDFW, Suquamish Tribe, City of BI, USACE). Phase II has not been previously funded by SRFB but builds off of and continues the work done in Phase I.

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### Describe existing project site conditions.

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The history of the Powel property is embedded in Bainbridge Island ship building history. A ship builder, Clarence Wiley built one of the existing homes on the property in 1933 and the wood work inside the home reflects that of craftsman ship builder. Wiley installed a dry dock on the property (which currently exists as a sand bottom salt water pool) so he could work on his ships. Those were the days when armoring of the shoreline was done with any and all material that was found - and that is what is currently present at the Powel property. With the exception of small portions of the northeast and western shores, the entire 1,800 lineal feet of shore that bounds the Powel site is armored with a variety of armoring materials, with shore modifications appearing to have begun in the 1920's and continued to present day. The armor (e.g., bulkheads, riprap), most of which is in a state of disrepair, and associated backfill are located within the intertidal zone at various tidal elevations, which results in a loss of shallow water habitat, loss of salt marsh and disruption of natural erosion and sediment transport and deposition. In addition to the armor, most of the riparian corridor has been altered by replacement of native vegetation with grasses and other nonnative vegetation. In 1954 John and Ann Powel purchased the properties and moved in with their 4 children. Ann Powel still lives on the property as well as her daughter Dorothy (Babe) Kehres (in the second residence on the property). The 3 other siblings are actively involved in the property. For 55 years the family has used the property for their enjoyment of gardening, swimming, and raising a small number of farm animals. From time to time, the salt water pool has been used for raising oysters. The family has a strong connection to the property and placed a conservation easement on the 7.5 acres with the Bainbridge Island Land Trust in 1992 protecting it from high density development (Approximatley 11 residences could be permitted on this property per current local zoning). As joint stewards of the property with the Powels, BILT suggested in late 2007 that the Powels consider restoring their shoreline, where historically (according to 1868 T-sheets) there was considerable saltwater marsh and marine estuaries. The family was agreeable and engaged in the Powel Shoreline Restoration Design Project #09-1691, which was completed in June 2011, resulting in a full engineered design for the restoration of their shoreline and marine nearshore riparian habitat. The family has been open to many on-site visits by WDFW, the Suquamish Tribe, West Sound Lead Entity, City of Bainbridge Island, UW Sea Grant, and other intereted parties. The Powel shoreline has likely been altered for over 75 years and this restoration project will result in a net gain of over 1,500 lineal feet of nearshore and marine riparian habitat, documented to be critically important to forage fish and juvenile salmon in Puget Sound.

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**Describe any proposed ground disturbing activities. That is, will a tool(s) be used to move earth (soil, rock, gra**

This is essentially a de-construction and construction project. Both waterward and landward construction equipment will be utilized in the implementation of this project to remove armor and debris from the shoreline, to reslope a small portion of the shoreline, to construct proposed wing walls that protect existing infrastructure, and to haul in plants and mulch associated with vegetation restoration activities. Removal of shoreline armoring will primarily be conducted from the waterward side of the property using barges, tugs, and excavators. In areas where there has been identified the potential of cultural resources, hand tools will be potentially used to remove armor. Hand tools (shovel, auger, pick axe, etc.) will be used for vegetation plantings.

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**Will buildings be altered or demolished? If so please complete a DAHP Determination of Eligibility EZ2 form for each building affected by the proposed project and attach the form to your project in PRISM. <http://www.dahp.wa.gov/pages/Documents/Sites.htm>**

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No buildings will be altered or demolished as part of this project. During the design phase of the project (Project 09-1691N) we submitted a DAHP EZ2 form, conducted a full cultural resources survey, and received recommendations from DAHP and the Suquamish Tribe on monitoring and permits needed during the implementation phase (Project 11-1505). The project sponsor conducted these activities as part of the design phase to identify any potential conflicts with cultural or historic resources ahead of agreeing on a final design for the restoration. We believe by doing so, we were able to design the restoration project with cultural and historic resource issues in mind to help avoid conflicts with cultural or historic resources during the construction phase. Costs associated with developing a Memorandum of Agreement with DAHP, obtaining a permit from DAHP, and conducting on-site cultural resources monitoring during the construction phase are included in the budget for this project. Additionally, the cultural resources report and memo from DAHP are included as attachments to this application .

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If no PRISM map, please attach a copy of the relevant portion of a 7.5 series USGS quad map and outline the project impact area.  
(USGS Quad maps are available on-line at <http://www.topozone.com>)

### Worksite Location (identified with star):

**Address:** 15254 and 15260 Broom Street NE, Bainbridge Island, WA 98110

**Township:** 26N  
**Range:** 02E  
**Section:** 34

**City:**  
**County:** Kitsap  
**Latitude:** 47.70  
**Longitude:** -122.53

