



# BREAKWATER REPLACEMENT PROJECT UPDATE

## THE PROJECT

### What's Happening?

The marina breakwater is in the process of being replaced! The Port has been planning this very important project for several years and is now moving forward with construction! Typically, the useful life of a breakwater structure like the old one at the Port is on the order of 30 to 40 years; constructed in 1962 our prior

breakwater is now reaching 60 years old. Thanks to the generous donation of used concrete floats from Elliot Bay Marina and significant grant funding, a new floating breakwater with transient moorage and public access is being constructed and will be available to the public by 2023!

## FUNDING ACKNOWLEDGMENTS

This project was made possible by the Washington State Recreation and Conservation Office (RCO) Boating Facilities Program (\$1,000,000 grant funds awarded), the U.S. Fish and Wildlife Service Boating Infrastructure Grant Program (\$1,440,474 grant funds awarded), and Elliot Bay Marina which donated used concrete floats to be refurbished for the new floating breakwater.

## Construction Notices for Marina Users

- **Public Bidding was completed in February 2022; a total of six bids were received. Quigg Bros Inc., an Aberdeen based marine contractor, was awarded the project with a low bid of \$8,122,495.**
- **Installation of the new floating breakwater has been completed to a sufficient level to provide protection to the marina and the old timber breakwater has now been fully removed. Crews will continue to be working on utilities and other misc. items on the new breakwater through March.**
- **Once the floating breakwater is substantially complete the contractor will begin scheduling the installation of timber finger floats on the inside of the breakwater as well as the AA connector float.**

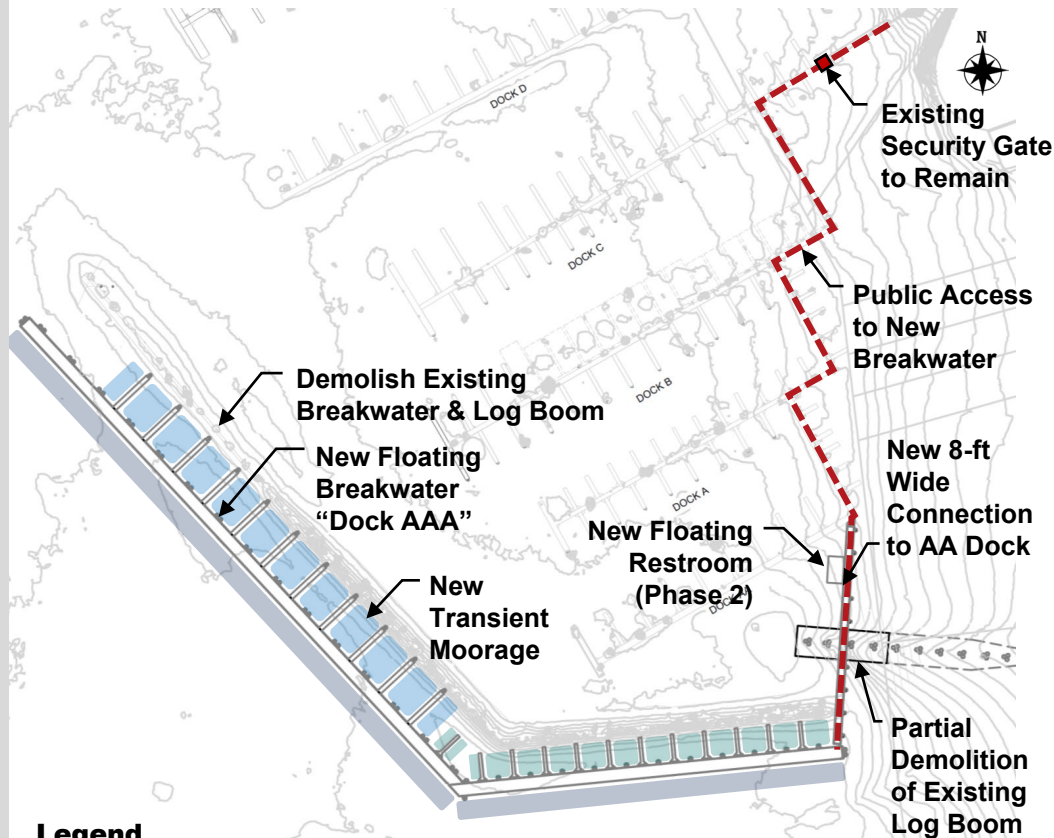




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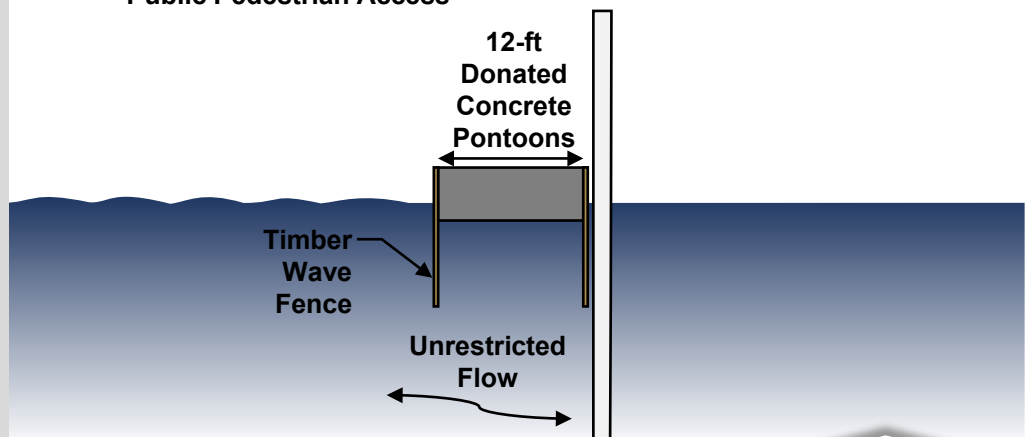
## DESIGN HIGHLIGHTS

- The floating breakwater will be constructed using completely refurbished donated breakwater pontoons in combination with some new pontoons. The breakwater will be anchored with steel piles centered on each double slip.
- The new breakwater will be located 60-ft SE & 40-ft S (seaward) of the existing breakwater and log boom.
- Installation of the new breakwater will occur prior to removal of the existing breakwater to maintain marina protection.
- Wave attenuation of the floating breakwater is expected to provide “moderate” performance. A structurally sound pile wall like the existing breakwater provides “good” performance. Following construction of the new breakwater, wave energy inside the marina is expected to increase by 10 to 20% as a result of unrestricted flow beneath the floating breakwater.



### Legend

- 50-ft double slips (42 ft. clear berthing width) incl. 30A & 50A service & potable water at ea. slip (22 total slips)
- 30-ft double slips (32 ft. clear berthing width) incl. 30A service & potable water at ea. slip (25 total slips)
- Variable LOA side tie slips for vessels up to 75' LOA incl. 30A & 50A service & potable water
- Public Pedestrian Access



## BREAKWATER AMENITIES

- Power pedestals provided (30A and/or 50A, see legend). The Port is maximizing electrical hookup options within the available electricity service limits.
- A new floating restroom is also planned.
- Lighting will be provided on the New Breakwater (Dock AAA) & connection to Dock AA.
- Safety ladders & equipment, and a fire suppression system will be installed to meet current requirements.
- Security upgrades are planned for separation between transient and permanent moorage (Phase 2).



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## PROJECT CONSTRUCTION MILESTONES

- **Public Bidding**  
February 2022
- **Material Procurement**  
Ongoing
- **On-Site Mobilization**  
July 2022
- **Complete Refurbishment of Donated Floats**  
Est. July – October 2022
- **Installation of Breakwater Piling**  
November 2022– January 2023
- **Installation of Floating Breakwater**  
November 2022 – March 2023
- **Demolition of Existing Breakwater**  
December 2022 – January 2023
- **Installation of Finger Floats & Utilities**  
Est. March – May 2023
- **Final Construction & Testing**  
Est. April – May 2023
- **New Floating Breakwater Open to Public!**  
Est. May – July 2023

## RECENT PHOTOS



**The old timber pile breakwater has now been fully removed!**



**The new floating breakwater is now in place and all piles have been driven to secure it in its final position.**

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## Questions & Answers

**Q: When will the new floating breakwater be available to the public?**

A: The new floating breakwater will be opened to the public Spring of 2023!

**Q: Will parking be impacted during construction?**

A: Parking will be temporarily impacted in the Anderson parking lot during upland utility work. A construction notice will be provided in advance of any parking disruptions.

**Q: Will I still be able to moore at the Port?**

A: Permanent and temporary moorage will remain open during construction. Closure of existing slips is not anticipated.

**Q: Will marina utilities be turned off and if so, when?**

A: There will be temporary disruptions to marina utilities between C-dock and AA-dock during installation of new utilities to the floating breakwater. A construction notice will be provided in advance to marina users.

**Q: Will the marina remain protected after demolition of the existing breakwater?**

A: Yes! Demolition of the existing breakwater will occur only after adjacent sections of the new floating breakwater are functionally secured so that continuous protection of marina facilities is maintained.

### WANT TO KNOW MORE?

**Email us your questions and feedback!**

As stakeholders in the Port of Poulsbo marina, your voice matters! Send your questions and feedback regarding this very important project to the email below: