General Business Update on Wapato Creek Habitat Project

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Item: 3B

Date: 12/16/21

People. Partnership. Performance.

Briefing Requested Wapato Creek Habitat Project



Staff will provide an update on the Wapato Creek Habitat Project.

No action is requested.



- Construction Contract awarded to KLB Construction on July 6, 2021 for ~ \$6.730M.
- Engineer's Estimate was ~ \$8.325M
- Current projections indicate that the project should be completed at or below the bid price.



- Construction began in late July.
- First construction activity removed ~ 14,000 tons of arsenic impacted soil and slag to LRI's landfill facility at a cost of ~\$625,000.
- Work was completed under the Voluntary Cleanup Program, and we are expecting a Letter of No Further Action from Ecology.



- Habitat construction began in late July
- New stream channel was connected on November 11, 2021.
- Remaining habitat site features are anticipated to be completed before Christmas 2021.
- Power Pole relocation and new steel high mast pole installation is complete.
- Bridge, 12th Street reconstruction, and related utilities are anticipated to be completed by the end of February 2022.

Background Wapato Creek Habitat Project



- Site is anticipated to generate 10 wetland acre credits and allow for future crossings of Wapato Creek north of SR 509, up to 60' in total width
- Site is ~ 18.5 acres (10 acres of wetland; 8.5 acres of forested buffer)
- 1875 LF (~0.36 mile) of new stream channel has been constructed
- ~230 large woody material habitat structures have been installed



- The Port coordinated closely with the Puyallup Tribe of Indians and Neighborhood throughout the design and construction.
- Cultural resource monitoring has been ongoing during construction.

Parcel 14 prior to construction

SR 167 Stockpile Area

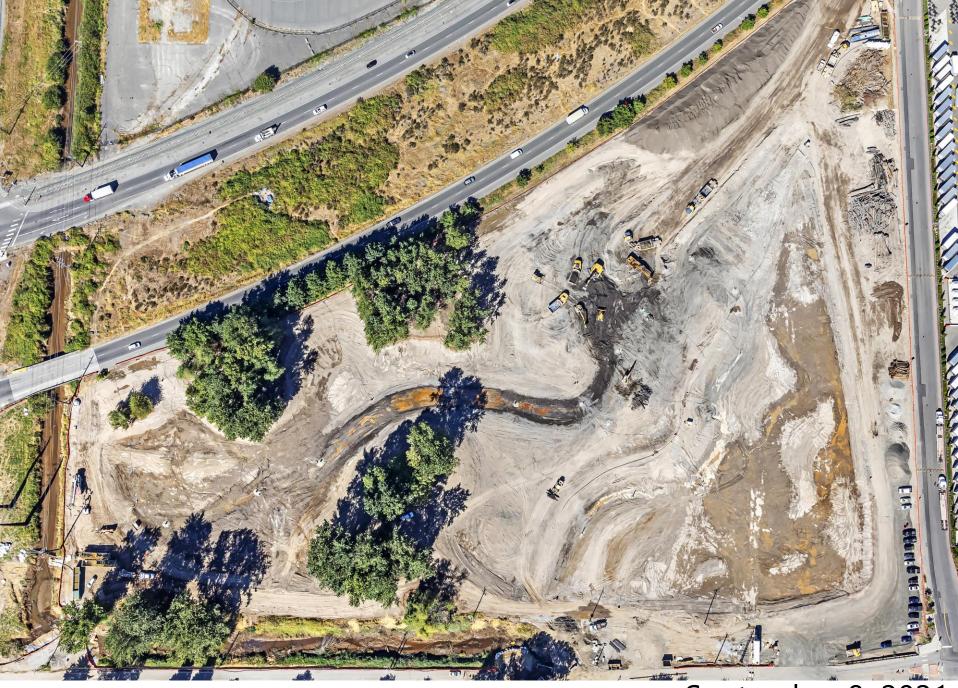


Habitat Area





August 25, 2021



September 8, 2021

Mining dirt around an underground forest





~80' long tree with 8' root ball still attached

The underground forest

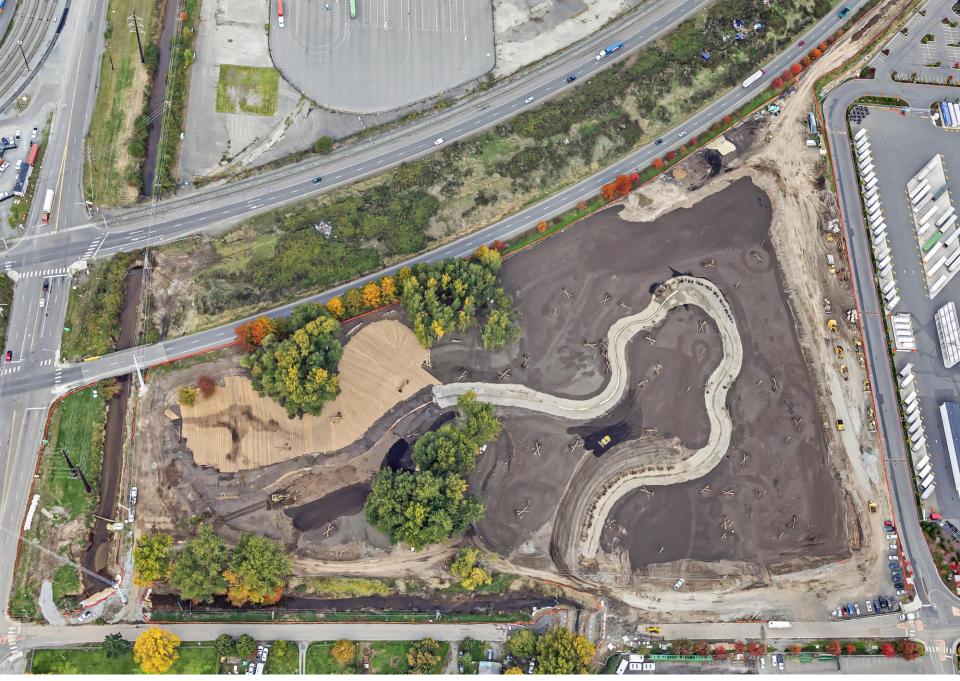




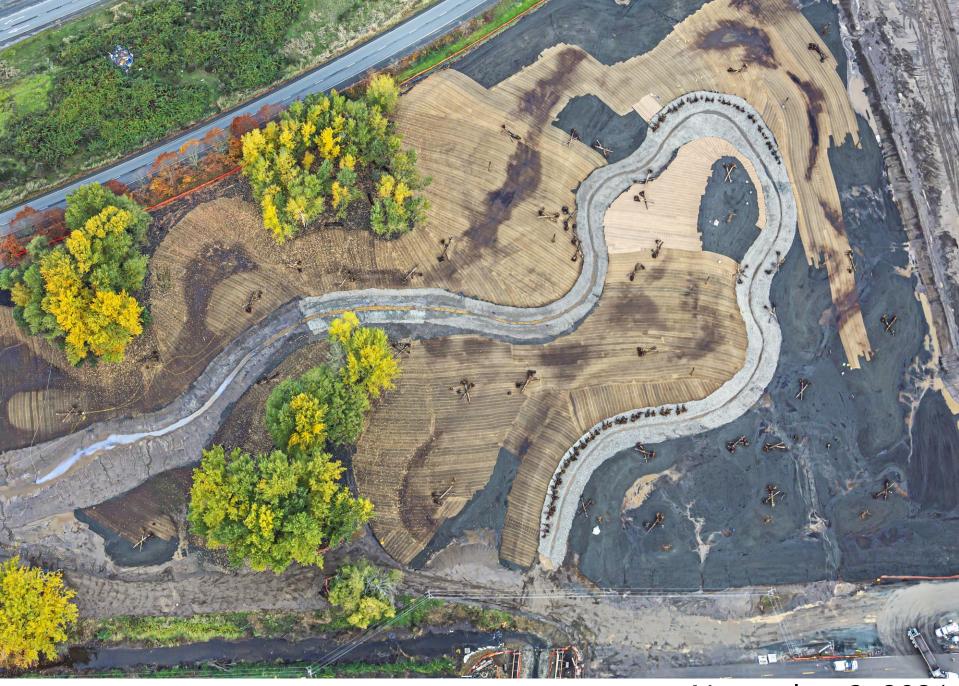
September 21, 2021



October 6, 2021



October 19, 2021



November 3, 2021



November 16, 2021

November 10, 2021, The night before the breach.

November 11, 2021, The day of the breach.



November 11, 2021, The day of the breach.



December 8, 2021



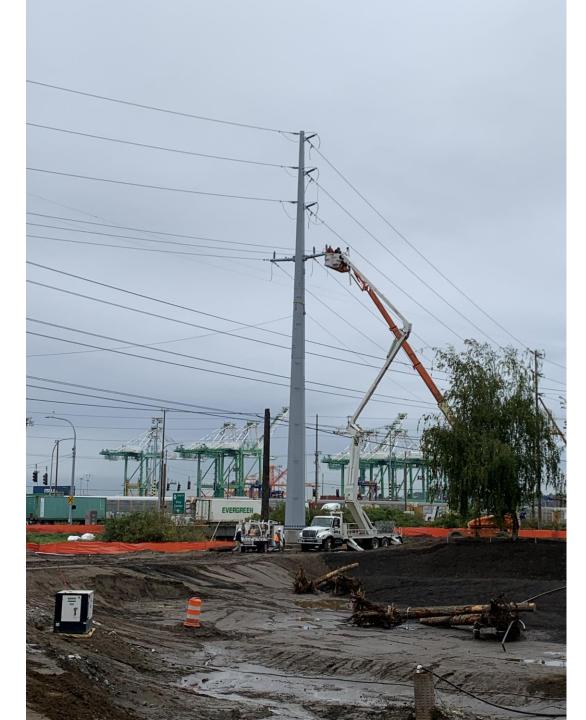
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William P. C.

WSDOT stockpiles



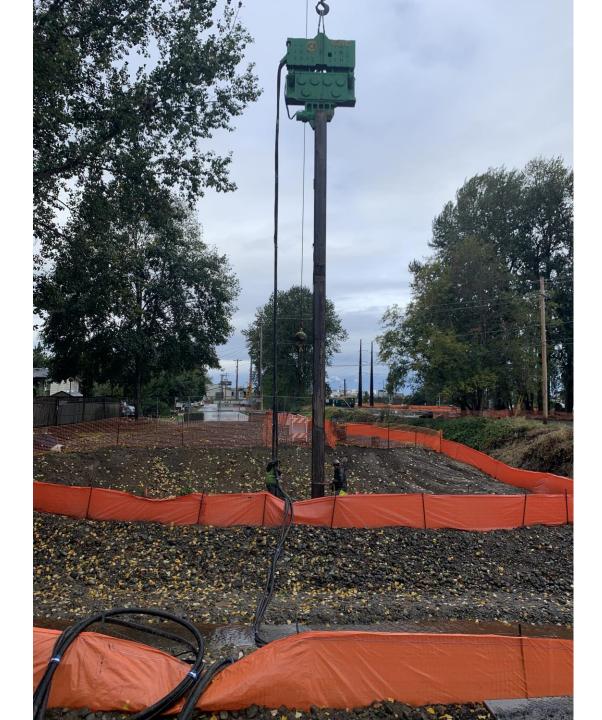
Power Pole structures 1, 2 & 3 in place with lines strung.



The stringing of Structure 3: 115' above ground and 50' below ground.

Please *hurry*, I can't hold this all day!

KOMATSU



Bridge piling installation.





Now: Open wide stream with a thalweg channel and a uniform water elevation.

Before: Scary dark small tunnels with minimal water flow and a significant grade differential.



Next Steps Wapato Creek Habitat Project



- Planting Phase bidding in early 2022; provides site-wide irrigation, landscape planting and two years of site establishment; completed at the end of 2024.
- Performance Monitoring will be conducted from 2022 until the end of 2033.
- Site will be placed in the Port's long-term Stewardship program.

Conclusion Wapato Creek Habitat Project

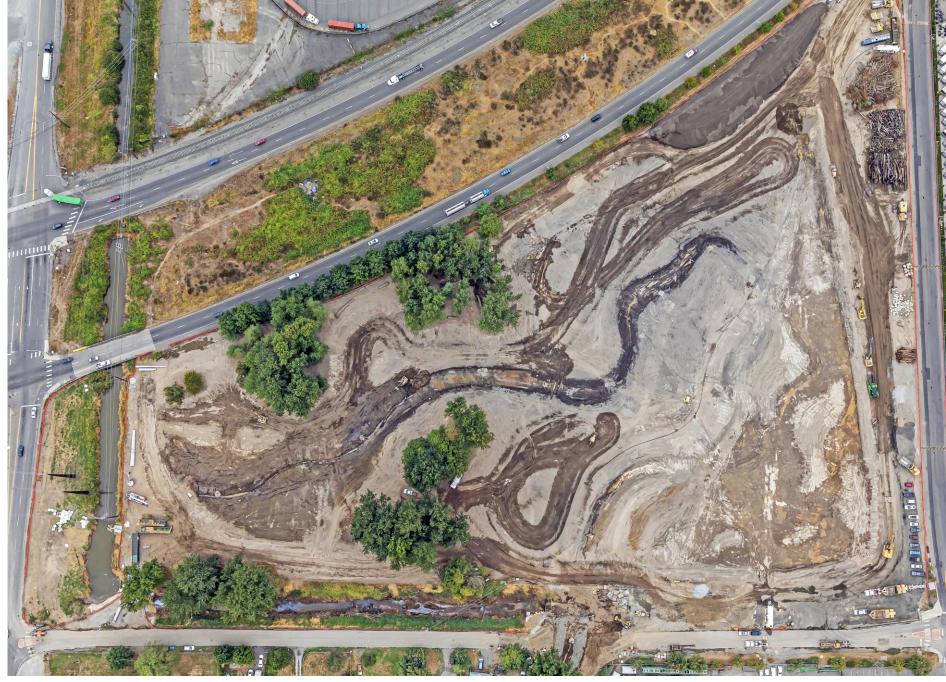


Questions?

Thank you!



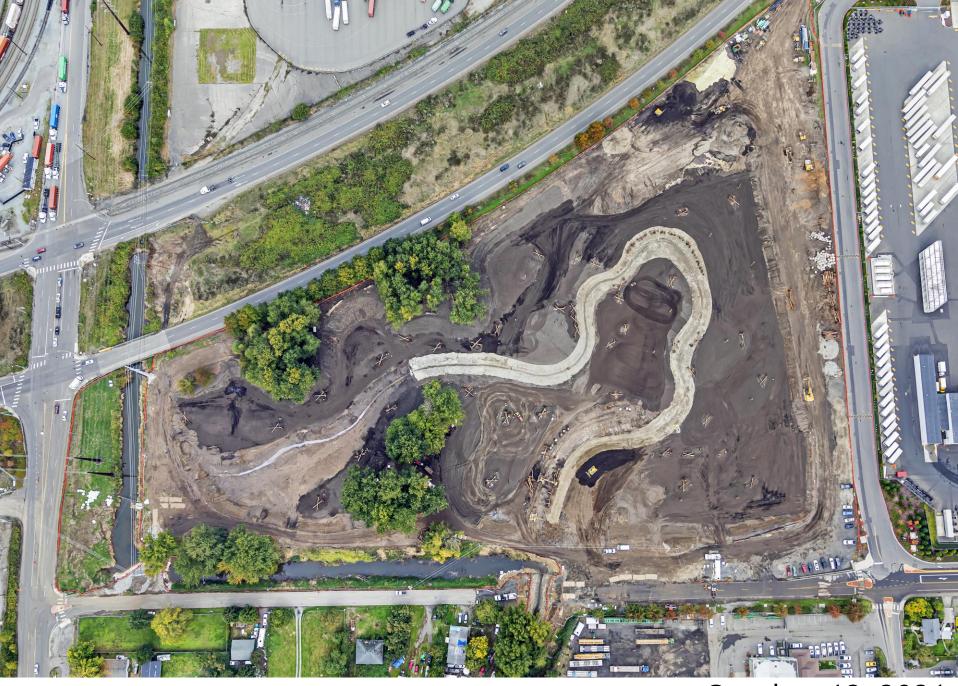
September 1, 2021



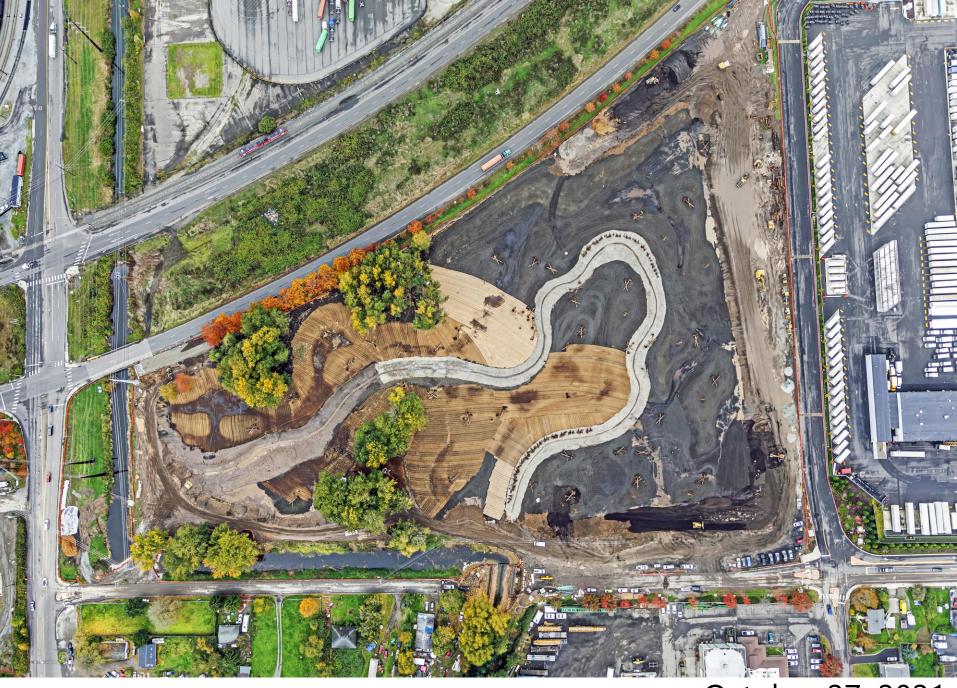
September 14, 2021



September 29, 2021



October 12, 2021



October 27, 2021