

Item: 3B
Date: 12/16/21

General Business Update on Wapato Creek Habitat Project

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Briefing Requested Wapato Creek Habitat Project



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

No action is requested.

Background

Wapato Creek Habitat Project



- 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.

Background

Wapato Creek Habitat Project



- 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.

Background

Wapato Creek Habitat Project



- 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

Background

Wapato Creek Habitat Project



- 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





Let Construction Begin!



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.



November 11, 2021,
The day of the breach.



December 8, 2021

An aerial photograph of a construction site. The central focus is a large rectangular area outlined in red, containing several concentric, roughly rectangular stockpiles of earth or material, outlined in white. These are labeled as 'WSDOT stockpiles'. To the north of this area are two large, modern industrial buildings with white roofs and parking lots filled with cars and trucks. A winding waterway or canal runs along the western and southern edges of the site. To the east, a multi-lane highway runs parallel to the site. The foreground shows a road with some trees and a small parking area.

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!





Bridge piling installation.



Bridge Girders
being installed.



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

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



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