

Item: 10B

Date: 11/2/23

Lower Wapato Creek Habitat Site: What's Next?

Kristin Evered

Project Manager I, Environmental

Port of Tacoma Commission Meeting

November 2, 2023



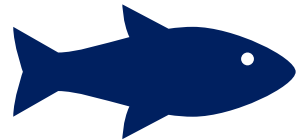
Purpose:

- To provide a status update for the Lower Wapato Creek Habitat Site.
- No Action Requested.

Background



Advanced mitigation habitat site completed in February 2023.



Re-established approximately 20 acres of stream and wetland habitat.



Replaced a fish barrier culvert with a full span bridge.



Generated mitigation credit to be used for future port projects.



SR 509 Southbound

SR 509 Northbound

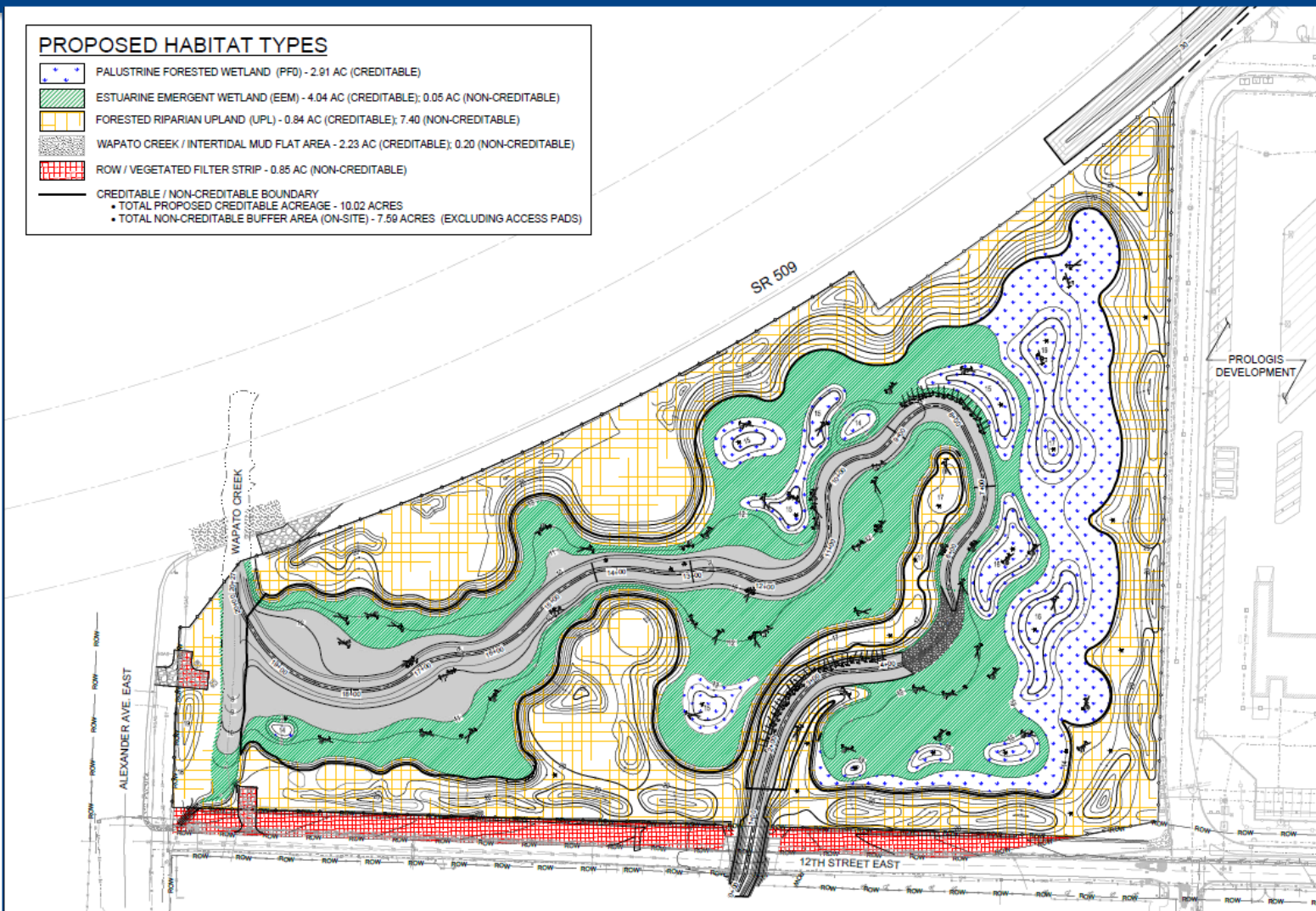
Wapato Creek

Undersized culverts

12th Street E

Alexander Avenue

Background: Project Design



PROPOSED HABITAT TYPES












	PALUSTRINE FORESTED WETLAND (PFD) - 2.91 AC (CREDITABLE)
	ESTUARINE EMERGENT WETLAND (EEM) - 4.04 AC (CREDITABLE); 0.05 AC (NON-CREDITABLE)
	FORESTED RIPARIAN UPLAND (UPL) - 0.84 AC (CREDITABLE); 7.40 (NON-CREDITABLE)
	WAPATO CREEK / INTERTIDAL MUD FLAT AREA - 2.23 AC (CREDITABLE); 0.20 (NON-CREDITABLE)
	ROW / VEGETATED FILTER STRIP - 0.85 AC (NON-CREDITABLE)
	CREDITABLE / NON-CREDITABLE BOUNDARY
	• TOTAL PROPOSED CREDITABLE ACREAGE - 10.02 ACRES
	• TOTAL NON-CREDITABLE BUFFER AREA (ON-SITE) - 7.59 ACRES (EXCLUDING ACCESS PADS)

FIGURE 6. PROPOSED HABITAT TYPES
 Lower Wapato Creek Habitat Project
 Port of Tacoma
 DATE: 1/25/2021

LEGEND

-  # PROPOSED CONTOUR
-  NEW STREAM CENTERLINE
-  SNAG
-  LARGE WOODY MATERIAL

0 80' 160' 320'

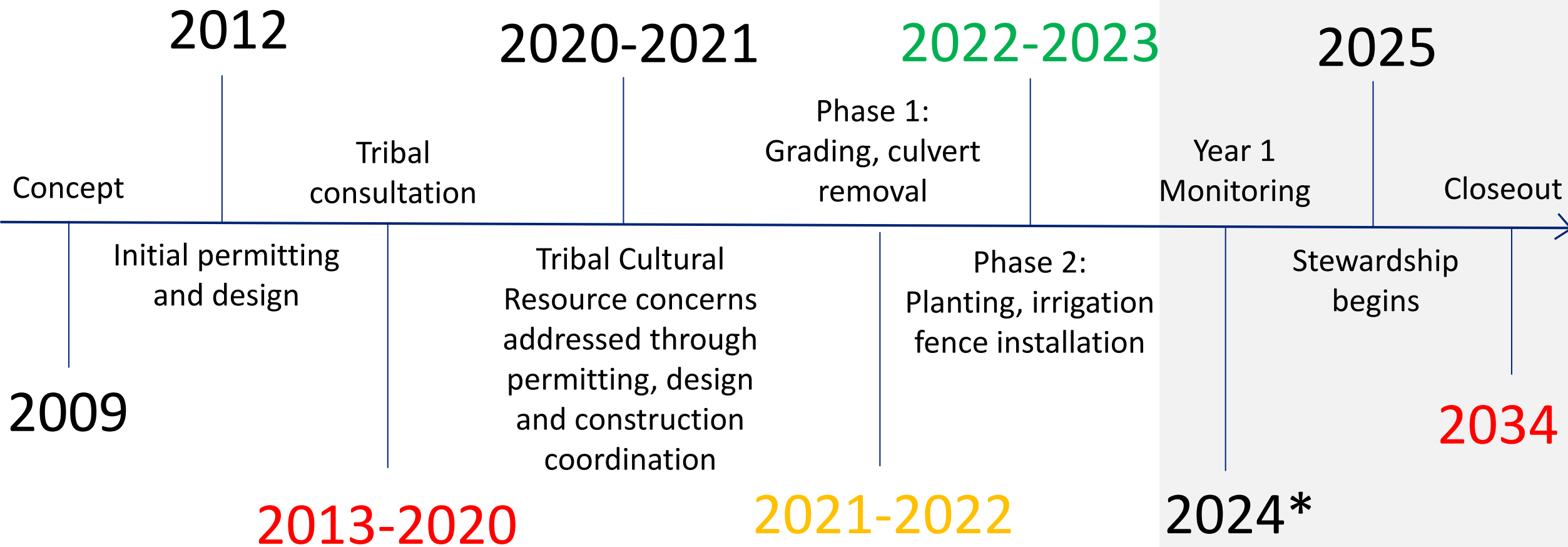


Background: Credit Generation

Table 15. Wetland Credit Generation

Advance Mitigation Activity	Area of Mitigation Activity (acres)	Credit Generation Ratio	Potential EEM Wetland Credits (Acre-Credits)	Potential PFO Wetland Credits (Acre-Credits)
Estuarine Wetland Re-establishment ¹	6.27	1:1	6.27	N/A
Palustrine Wetland Re-establishment ²	2.91	1:1	N/A	2.91
Forested Riparian Upland Enhancement ²	0.84	5:1	N/A	0.17
Total	10.02	N/A	6.27 ¹	3.08-3.75 ²

Background: Project Timeline



Background: Phase 1



Background: Dredge Material



*WSDOT Stockpiles
(~180,000 CY)*



*Sarah Weeks, Project Manager II and
Rob Healy, Senior Project Manager,
Remediation with the Phoenix award.*



November 16, 2021

Background: Culvert Removal



How it Started



How it's Going





May 25, 2023

Background: Planting

Salmon I want to plant trees
at the Lower Wapato
Creek site. We could even
invite others. Can you
help me with this?
Sincerely,
Maxa



Monitoring and Stewardship



Post-Construction Monitoring



October 9, 2023

Formal Monitoring

- Conducted in years 1, 2, 3, 5, 7 and 10
- Qualitative and quantitative data collected
- Submitted to permitting agencies

Informal Monitoring

- Conducted annually for 10 years
- General overview of site progress
- Submitted internally

Adaptive Management



Project Schedule

Activity	Timeframe
Advertise for Bid (RFP)	October 2, 2023
Establish Contract	November 29, 2023
Performance Monitoring	2024-2033
Exploring future partnerships with the PTOI	TBD
Contract Complete	2034
Stewardship (Ongoing)	Q2 2025

Stewardship



Design and Construction

Funding Source	Total Project Cost	Spent to date
CIP	\$16,390,000	\$14,682,125

Monitoring

Funding Source	Contract Amount
Operating Expense	\$550,000

Conclusion

- Construction completed in 2023.
- Performance monitoring begins in 2024.
- Credits generated will be applied to future Port projects.
- Opportunities for community engagement and workforce development.





Thank You

Questions & Discussion



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