

Item No: 6A_supp
Date of Meeting: December 3, 2019



Staff Briefing: Harbor Deepening Project

Presenters:

Catherine Chu, Capital Project Manager (POS)

Ryan McFarland, Federal Government Relations Manager (POS)

Tony Warfield, Environmental Senior Project Manager (POT)

Action Requested

Harbor Deepening Project

Staff from Port of Tacoma and Port of Seattle will brief Managing Members on the Harbor Deepening Projects with focus today on South Harbor.

No action is requested.



USACE SEATTLE HARBOR NAVIGATION IMPROVEMENT PROJECT

West Waterway
Deepening -57' MLLW

East Waterway
Deepening -57' MLLW

T-5

T-18

T-46

T-30



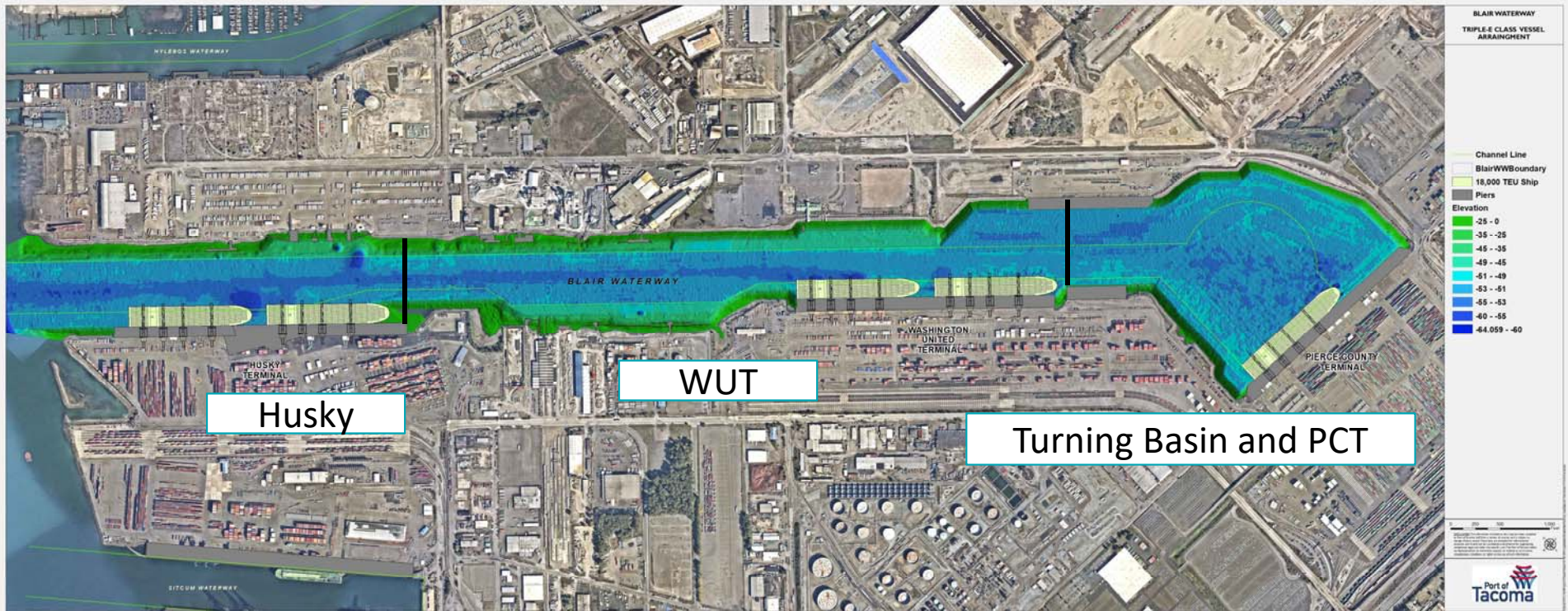
Summary

Seattle Harbor Deepening Project

- Feasibility Study (FS) began in 2014
- Staff gave the MM a full project briefing on Dec 5, 2017
- FS completed in 2018
- WRDA 2018 authorized East and West Waterways to -57'
- The Trump Administration's Office of Management and Budget must approve funding before design can begin
- In the hope that federal funding is forthcoming for FY20, POS included design and construction funding in the 2020 capital plan
- If funded in FY'20, West Waterway could be completed in 2024
- East Waterway completion could be more than 10 years out





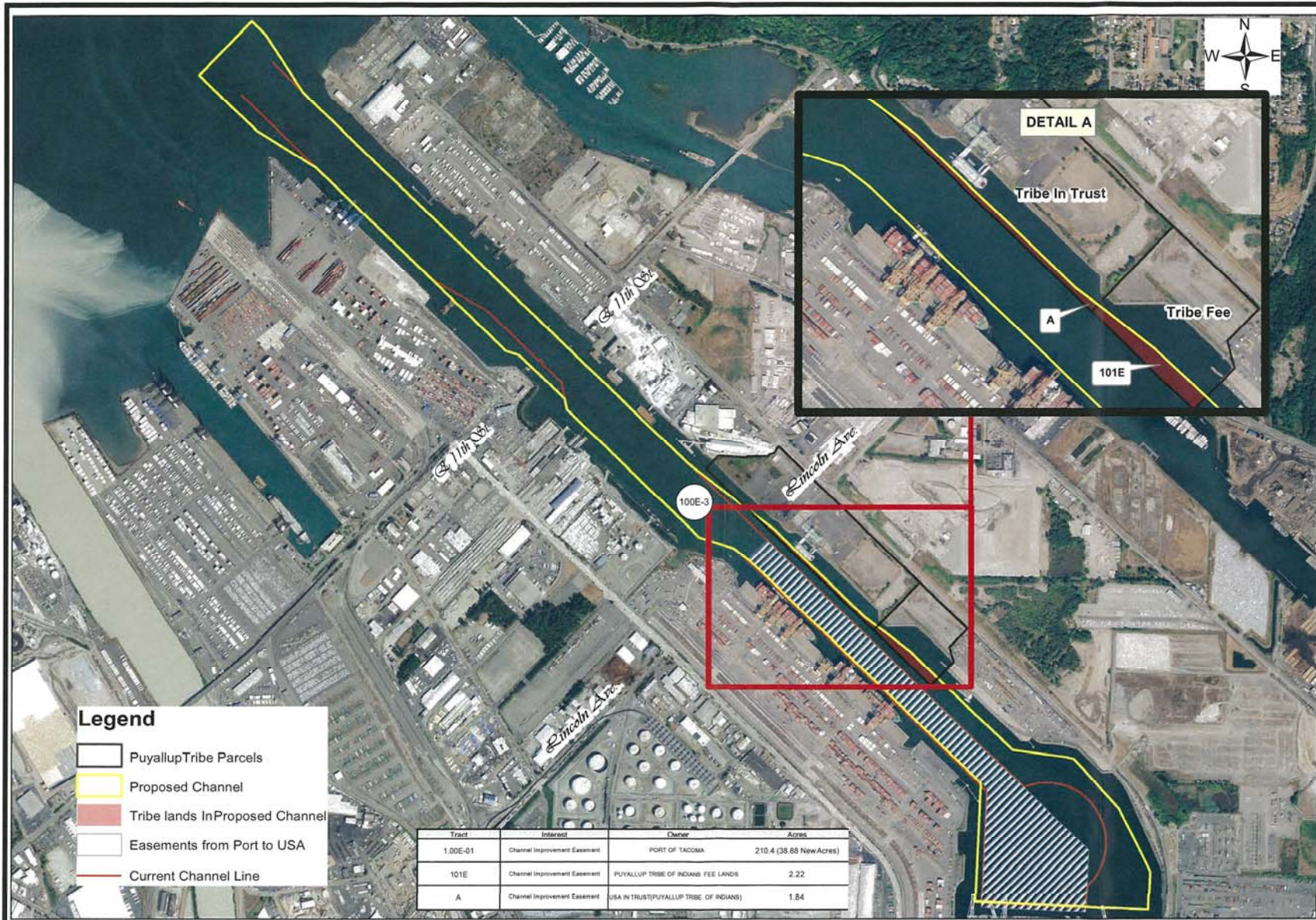


Background

Tacoma Harbor Deepening Project

- Feasibility Study began August of 2018
- Completed:
 - Alternatives Milestone
 - Scoping
 - Tentatively Selected Plan
- 60 day Public Review beginning ~12/16/2019





Legend

- Puyallup Tribe Parcels
- Proposed Channel
- Tribe lands In Proposed Channel
- Easements from Port to USA
- Current Channel Line

Tract	Interest	Owner	Acres
1.00E-01	Channel Improvement Easement	PORT OF TACOMA	210.4 (38.88 New Acres)
101E	Channel Improvement Easement	PUYALLUP TRIBE OF INDIANS FEE LANDS	2.22
A	Channel Improvement Easement	USA IN TRUST (PUYALLUP TRIBE OF INDIANS)	1.84



U.S. ARMY CORPS OF ENGINEERS
SEATTLE DISTRICT

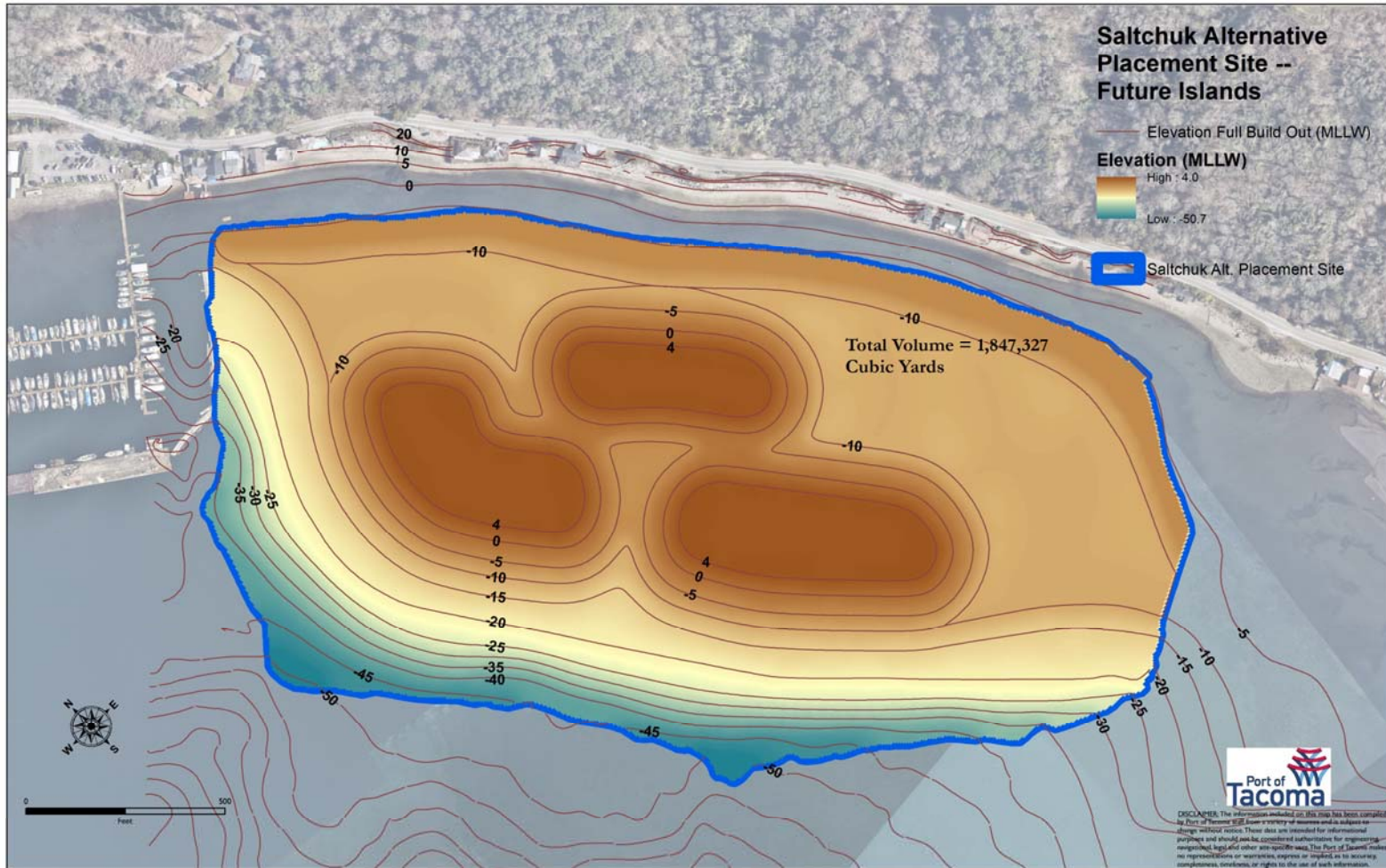
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PROJECT: U.S. ARMY ENGINEER DISTRICT, SEATTLE
REAL ESTATE DIVISION
TECHNICAL SERVICES
CHANNEL CONTROL

Tacoma Harbor, WA Feasibility Study Area

PIERCE COUNTY WASHINGTON STATE

Saltchuk Habitat Site: Beneficial Use of Dredged Material



Tacoma Harbor Deepening Costs

Item	Total Cost	Federal	Port
Blair Waterway through Husky	\$48M	\$23M	\$25M
Blair Waterway Husky to WUT*	\$136M	\$66M	\$70M
Turning basin including PCT	\$57M	\$23M	\$34M
Saltchuk (beneficial material use)	\$11M	\$7M	\$4M
Total Federal Project	\$252M	\$119M	\$133M
<i>Husky berth and slope stability</i>	<i>\$24M</i>	<i>\$0</i>	<i>\$24M</i>
<i>WUT berth and slope stability</i>	<i>\$44M</i>	<i>\$0</i>	<i>\$44M</i>
<i>PCT berth and slope stability</i>	<i>\$44M</i>	<i>\$0</i>	<i>\$44M</i>
Total Non-Federal Project	\$112M	\$0	\$112M
Total Federal and Non-Federal	\$364M	\$119M	\$245M
* Includes cleanup and underwater structure			

Tacoma Harbor Deepening Schedule

Item	Date
Public Comment on Draft Reports	Dec 2019 through Feb 2020
Agency Decision Milestone	April 2020
Final Report and Env Assessment	December 2020
Chief's Report	June 2021
PED	TBD
Phase 1 Construction	No earlier than 2025



Financial Implications Tacoma Harbor Deepening Project

- **Estimated timeline for work in the Tacoma harbor currently falls outside the five-year capital investment plan.**
- **Future contributions beyond funding the studies by the NWSA have not been determined.**



Corps Environmental Assessment Highlights Tacoma Harbor Deepening Project

Habitat Impacts:

- Short-term impacts to benthic habitat during construction
- Restoration of 64 acres of nearshore intertidal and subtidal habitat as a beneficial use

Stormwater:

- No substantial impacts



Corps Environmental Assessment Highlights Tacoma Harbor Deepening Project

Air Quality:

- Short-term increased emissions during construction
- Overall reduction in emissions due to larger ships making fewer calls

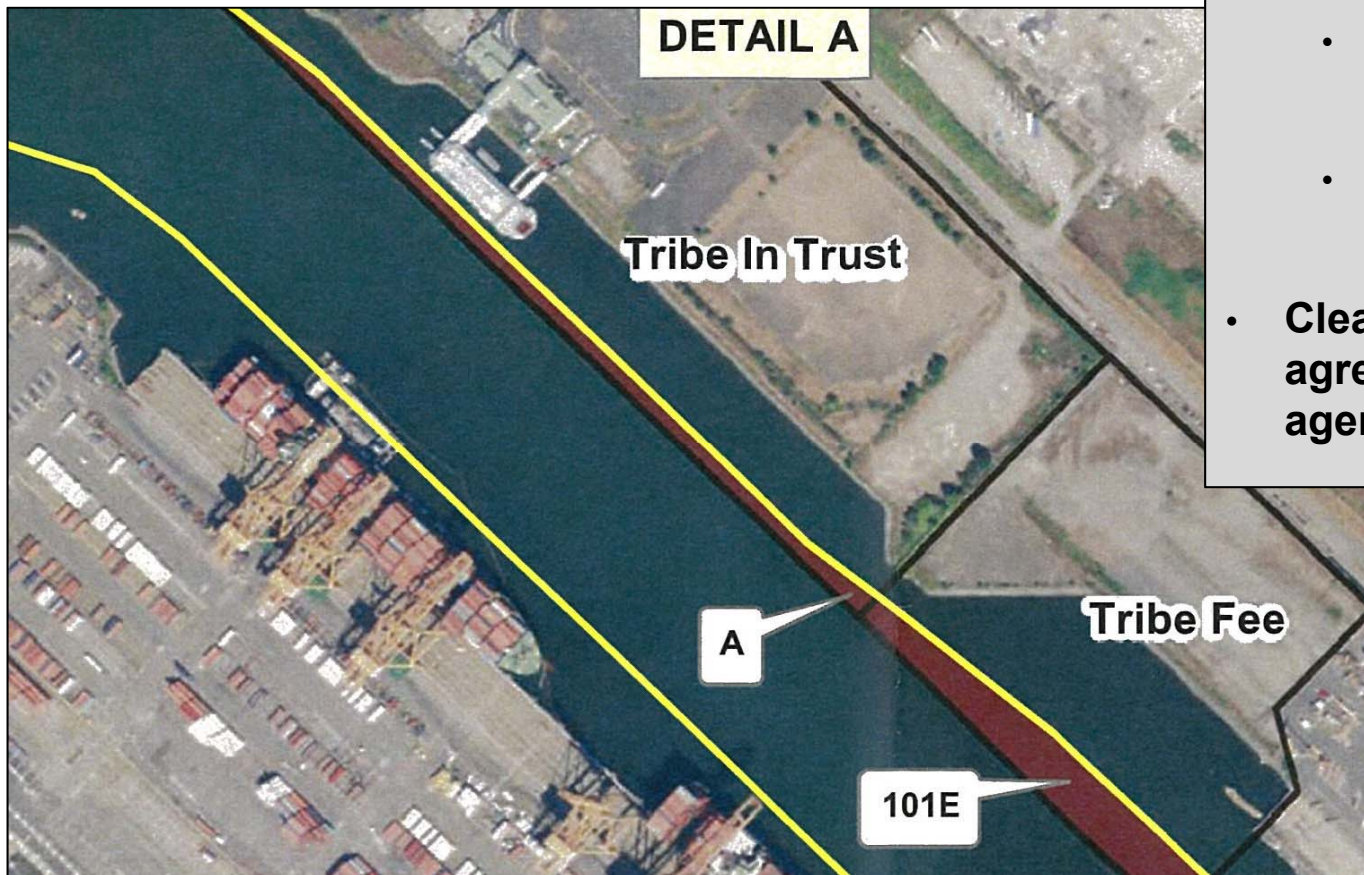
Remediation:

- Dredging may trigger remediation of Puyallup Tribal Property if a stability cutback is required
- Contaminated sediments will be removed from the waterway and disposed of at an appropriate upland facility



Tacoma Harbor Deepening Project

Major Risks



- **Real estate risks**
 - Implementing existing Tribal agreements
 - Obtaining navigational easements
- **Cleanup plan agreement with relevant agencies**

Tacoma Harbor Deepening Projects

Next Steps

- Send letter of support for the Corps' process
- Complete the feasibility study with the Corps.
- Determine the appropriate project phasing given Tacoma Harbor facility usage and leases.



Harbor Deepening Projects

Questions?

