

Item: 6B

Date: 7/15/25

ECHO Design Project Authorization

Norman Gilbert, P.E.

Engineering Project Manager II

Port of Tacoma Commission Meeting

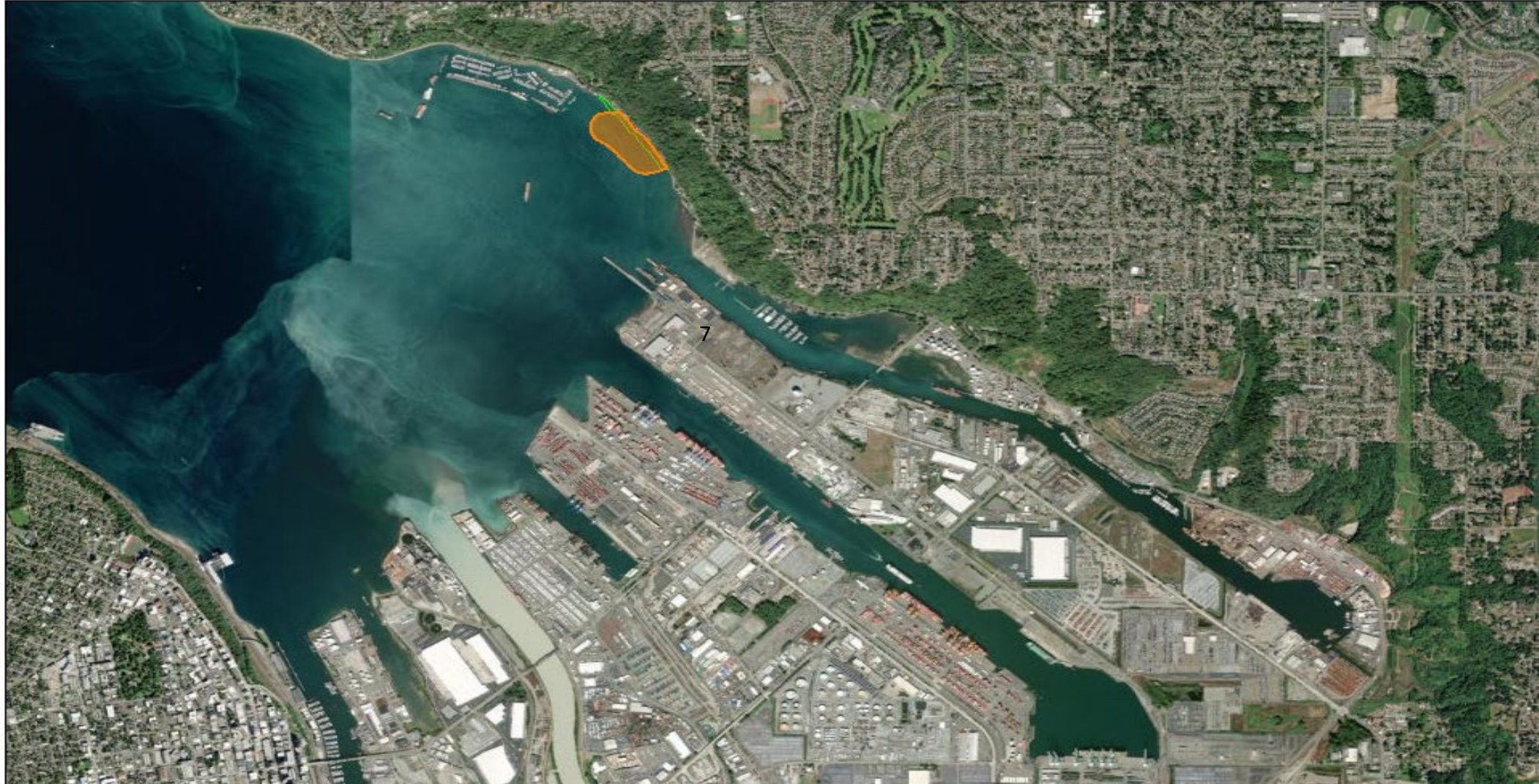
Date: July 15, 2025



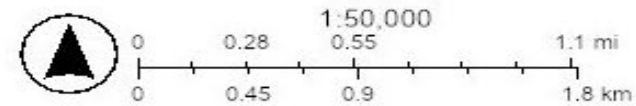
Request project authorization in the amount of \$1,250,000 for a total authorized amount of \$2,355,000, for work associated with the East Commencement Habitat Opportunity (ECHO), Project Identification No. 101631.01.

- The exposed shoreline along a portion of Marine View Drive, including the Dick Gilmur Boat Launch, is experiencing significant erosion due to heavy wave action during storm events.
- Construction of an intertidal habitat feature along the parcel 83 shoreline and in conjunction with beneficial placement of dredge material from the USACE Blair Waterway deepening project will dissipate the wave action slowing the erosion and generating habitat credits for use to mitigate other Port projects.

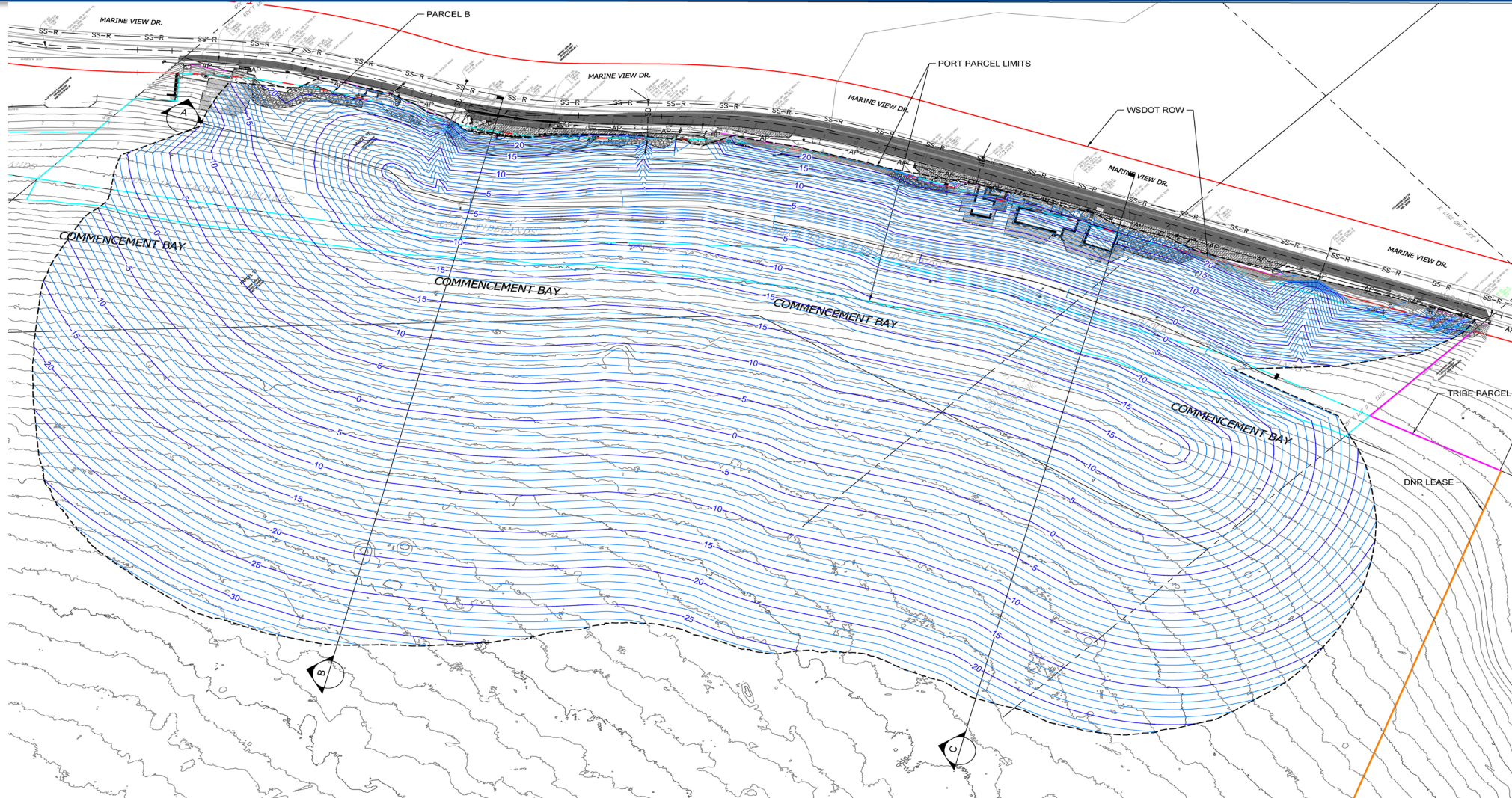
Project Area



6/26/2025



Design



HORIZONTAL DATUM
WASHINGTON STATE PLANE
COORDINATE SYSTEM,
SOUTH ZONE, NAD 83/2011
VERTICAL DATUM
MLLW

NOTES

SOURCE: Bathymetric survey provided by David Evans
Associates and USACE, dated 2022. Topographic data
provided by Sills & Hill, dated March 25, 2025.
HORIZONTAL DATUM: Washington State Plane South
Zone, NAD83 U.S. Survey Feet
VERTICAL DATUM: MLLW

LEGEND:

Existing Contours
Port of Tacoma Parcels

Existing Area of Debris
Approximate Eelgrass Bed

LEGEND (PROPOSED):

Proposed Contours

HORIZONTAL SCALE: 1"=60'
60 0 60 120



- The area waterward of Port parcel 83 was used to raft and store logs inside of log booms for much of the 20th century.
- The Dick Gilmur Boat Launch was constructed in 2011 to provide parking and water access for hand launched boats.
- Shoreline on either side of the boat launch was designed to slowly erode over time and would require periodic replenishment.
- During 2015/16 log storage ended and the log booms were removed.

- Greater than designed erosion of the shoreline occurred in 2016 requiring repairs. Repairs were again needed in 2017, 2021 and most recently as of December 2025.
- Construction of an intertidal habitat feature will dissipate the wave action and slow shoreline erosion.
- This project is also intended to beneficial reuse of dredge sediment from the berth deepening project and will generate habitat credit that may be used for other Port projects.

The scope of the project is to design and construct a nearshore intertidal habitat site that will beneficially reuse dredge sediment and provide shoreline protection along parcel 83. This project will also coordinate with the US Army Corps of Engineers for their proposed placement of dredge material at the adjacent DNR leased area.

Scope of Work for This Request:

- Advance design to 100% bid level ready
- Continued Coastal modeling
- Project management

- Execute Professional Service Agreement Amendment July 2025
- Complete 100% bid level ready design June 2026

- The estimated total cost of Design for this project is \$2,355,000.
- The total budget for this project will be estimated upon completion of 30% design.
- The 2025-2029 Capital Investment Plan (CIP) allocates \$6,345,000 for this project.

Financial Summary

Item	This Request	Total Previous Requests	Total Request	Total Project Cost	Cost to Date	Remaining Cost
Design	\$1,250,000	\$1,105,000	\$2,355,000	\$2,355,000	\$830,724	\$1,524,276
Construction	\$0	\$0	\$0	TBD	\$0	TBD
Project Total	\$1,250,000	\$1,105,000	\$2,355,000	TBD	\$830,724	TBD

No new jobs will be directly created. This project will preserve public access via the Dick Gilmur Boat Launch and create new intertidal marine habitat. Any advance mitigation credits derived from this site can be used to support future Port maintenance and growth.

- Alternative 1) Do nothing. Continue to allow the shoreline to erode requiring repeated repairs to protect Marine View Drive.
- Alternative 2) This request.

Alternative 2 is the recommended course.

- Permitting - This effort will require environmental review under SEPA and a full suite of environmental permits including Corps Section 404 and Section 10 permits, Ecology Section 401 Water Quality Certification, Hydraulic Project Approval and City of Tacoma Shoreline and Critical Areas permits. It will include an evaluation of potential Endangered Species Act habitat credits (Discounted Service Acre Years) from National Marine Fisheries Service/US Fish and Wildlife Service.
- Remediation – N/A
- Stormwater – N/A
- Air Quality – N/A

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Thank You

Questions & Discussion



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