

**PORT OF TACOMA COMMISSION**  
**ACTION ITEM MEMO**



Item No: 9B  
Meeting Date: 9/6/2023

**DATE:** August 28, 2023  
**TO:** Port Commission  
**FROM:** Eric D. Johnson, Executive Director  
Sponsor: Jason Jordan, Director, Environmental and Planning Services  
Project Manager: Norman Gilbert, Engineering Project Manager II  
**SUBJECT:** Project Authorization for work associated with the East Commencement Habitat Opportunity (ECHO) Project

**A. ACTION REQUESTED**

Request project authorization in the amount \$400,000 for a total authorized amount of \$700,000, for work associated with the East Commencement Habitat Opportunity (ECHO) Master Identification No. 101631.01.

**B. SYNOPSIS**

The exposed shoreline along a portion of Marine View Drive, which includes the Dick Gilmur Boat Launch, is experiencing significant erosion due to heavy wave action. Construction of an intertidal habitat feature along this shoreline will dissipate the wave action and slow the erosion of the shoreline. In addition, this construction is intended to benefit from beneficial reuse dredge sediment from the berth deepening project at Husky or Washington United Terminals, work with the Corps placement of beneficial reuse dredge sediments at the adjacent Department of Natural Resource (DNR) leased area and may generate habitat credit that can be used to mitigate other Port projects or potentially added to the Port's mitigation bank.

**C. BACKGROUND**

The area waterward of Port parcel 83 was used to raft and store logs inside of log booms. These rafted logs and log boom provided some protection to the shoreline. The Dick Gilmur Boat Launch was constructed in 2011 to provide an upland parking area and water access for hand launched boats. The area around the boat launch was designed to be a sacrificial shoreline that would slowly erode and need periodic replenishing over time. However, this shoreline has experienced greater than expected erosion since the log rafting stopped and the log booms were removed in 2015/16.

Repairs of the shoreline occurred in 2016, 2017 and again in 2021. It is expected that additional repairs will be required until the intertidal habitat project is completed. The nearshore habitat project is intended to provide for energy dissipation of waves to slow the erosion of the shoreline to the originally predicted rates.

#### **D. PROJECT DETAILS**

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:***

- Evaluation of existing site information
- Performing site exploration for geotechnical evaluation
- Project design to 30% level
- Permit application
- Project management

##### ***Schedule***

- Execute Professional Service Agreement in July 2023
- Apply for environmental permits March 2024
- Complete 30% design July 2024

#### **E. FINANCIAL SUMMARY**

##### **Estimated Cost of Project**

The total project cost including all stages will be estimated once a preliminary design has been reviewed and approved by all necessary agencies and the Puyallup Tribe.

##### **Estimated Cost for This Request**

The total estimated cost of the Design for this project is unknown at this time. The current request includes estimating the complete project costs once the preliminary design has been reviewed and approved. If the cost of this work is anticipated to exceed the authorized amount, additional Commission authorization will be requested.

##### **Estimated Sales Tax**

The total estimated sales tax to be paid to local and state governments for this project is unknown.

**Cost Details**

Item	This Request	Total Previous Requests	Total Request	Total Project Cost	Cost to Date	Remaining Cost
DESIGN	\$400,000	\$300,000	\$700,000	\$1,100,000	\$460	\$699,540
CONSTRUCTION	\$0	\$0	\$0	\$5,350,000	\$0	\$0
<b>PROJECT TOTAL</b>	<b>\$700,000</b>	<b>\$0</b>	<b>\$700,000</b>	<b>\$6,450,000</b>	<b>\$0</b>	<b>\$699,540</b>

**Source of Funds**

The current Capital Investment Plan (CIP) allocates \$6,450,000 for this project.

**Financial Impact**

Project costs will be capitalized as a non-depreciating land asset.

**F. ECONOMIC INVESTMENT/JOB CREATION**

No new jobs will be created. This project will preserve public access via the Dick Gilmur Boat Launch and create new intertidal marine habitat.

**G. ENVIRONMENTAL IMPACTS/REVIEW**

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 be integrated with the Blair Waterway berth deepening permitting effort and will include an evaluation of potential conservation credits (Discounted Service Acre Years) from the National Marine Fisheries Service.

Remediation: NA

Stormwater: NA

Air Quality: NA

**H. PREVIOUS ACTIONS OR BRIEFINGS**

<u>Date</u>	<u>Action</u>	<u>Amount</u>
March 7, 2023	Managing Member Deepening Program Briefing	\$0
June 26, 2023	Executive Authorization	\$300,000
<b>TOTAL</b>		<b>\$300,000</b>

**I. ATTACHMENTS TO THIS REQUEST**

None.

**J. NEXT STEPS**

Complete design to 30% level and return to Commission for additional authorization to complete the design.

Item #: 9B  
Date: 09/06/2023

# East Commencement Habitat Opportunity Project (ECHO) Project Authorization for Design

**Norman Gilbert, Engineering Project Manager II**  
NWSA Managing Members Meeting – POT Only Vote

September 06, 2023



## Action Requested

Request project authorization in the amount \$400,000 for a total authorized amount of \$700,000, for work associated with the East Commencement Habitat Opportunity project, Master Identification No. 101631.01.

# Background

- The area waterward of Port parcel 83 was used to raft and store logs inside of log booms.
- 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.

# Background

- 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 2021.
- 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 may generate habitat credit that may be used for other Port projects.



# BLAIR WATERWAY DEEPENING PROGRAM



OPEN WATER  
MARINE DISPOSAL  
FACILITY

ECHO

Marine View Drive

# BLAIR WATERWAY DEEPENING PROGRAM 2023-2029

Potential  
Dewatering  
Facility • 2026-27  
Tru-Grit Cleanup  
• 2026-27

Channel Phase 1 • 2026-27

Toe-Wall Berth Deepening  
• 2025-26

Bank Cut-Back Area

Channel Phase 2 • 2027-28

Toe-Wall Berth Deepening  
• 2026-27

Channel Phase 3  
• 2028-29

Toe-Wall Berth Deepening  
• 2027-28

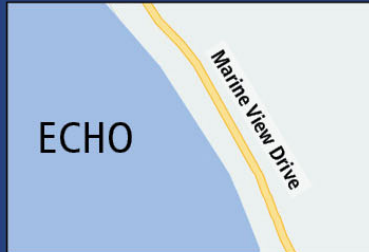
## FUNDING KEY

FUNDED BY  
PORT OF TACOMA

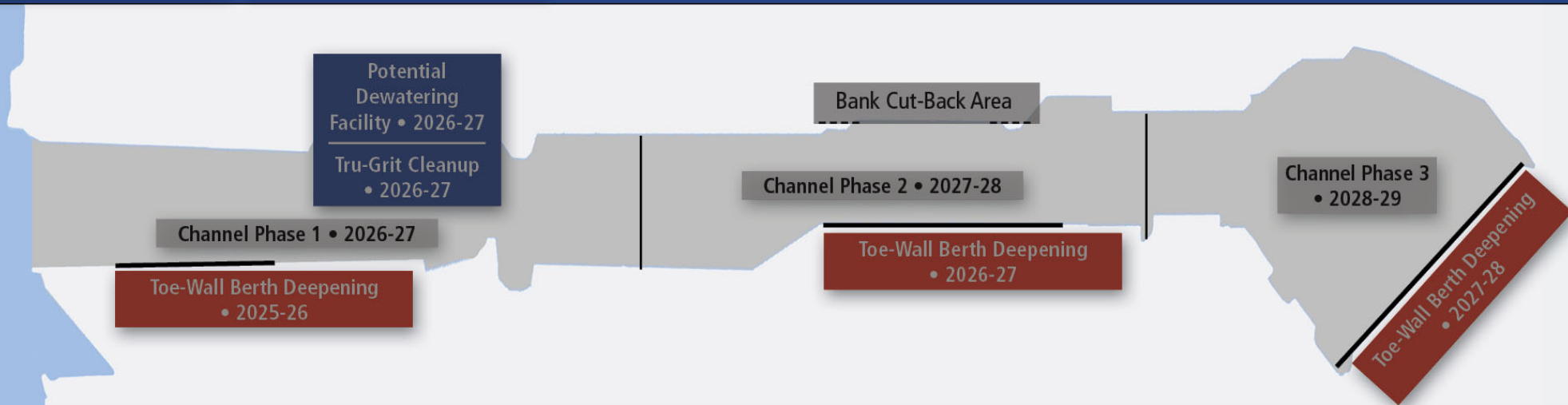
FUNDED BY NWSA

FUNDED BY  
PORT OF TACOMA / FED

OPEN WATER  
MARINE DISPOSAL  
FACILITY



# BLAIR WATERWAY DEEPENING PROGRAM 2023-2029



## FUNDING KEY

FUNDED BY  
PORT OF TACOMA

FUNDED BY NWSA

FUNDED BY  
PORT OF TACOMA / FED

# Aerial View



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:**

- Evaluation of existing site information
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- Project management

# Project Schedule

- Execute Professional Service Agreement in July 2023
- Apply for environmental permits March 2024
- Complete 30% design July 2024

## Source of Funds

- The estimated cost of preliminary to 30% Design for this project is \$700,000.
- The estimated budget for this project is \$6,450,000.
- The current Capital Investment Plan (CIP) allocates \$6,450,000 for this project.

# Financial Summary



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DESIGN	\$400,000	\$300,000	\$700,000	\$1,100,000	\$460	\$699,540
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PROJECT TOTAL	\$400,000	\$300,000	\$700,000	\$6,450,000	\$460	\$699,540



# Environmental Impacts



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 be integrated with the Blair Waterway berth deepening permitting effort and will include an evaluation of potential conservation credits (Discounted Service Acre Years) from the National Marine Fisheries Service.

Remediation: n/a

Stormwater: n/a

Air Quality: n/a

## Action Requested

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# Questions & Discussion



Norman Gilbert, PE  
Engineering Project Manager II  
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