

NAVIGATING THE USACE

204/408 PROCESS



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Coos Bay, Oregon

October 23, 2018



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OIPCB



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OREGON INTERNATIONAL
PORT OF COOS BAY

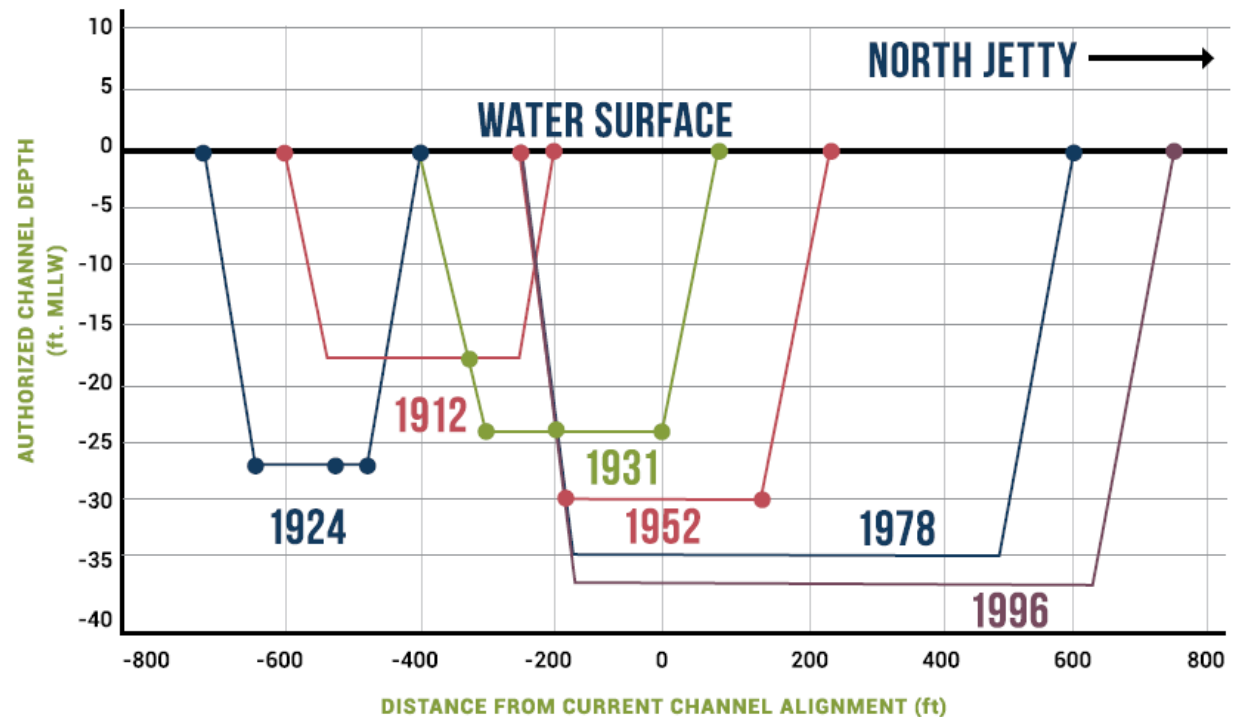
**Channel Modification
Project Update**

● **OREGON'S SEAPORT**

Project History

- 1899 Authorization
- Subsequent Modifications
- USACE Performs O&M

Increase in Channel Area and Channel Movement
Toward North Jetty (A-A)



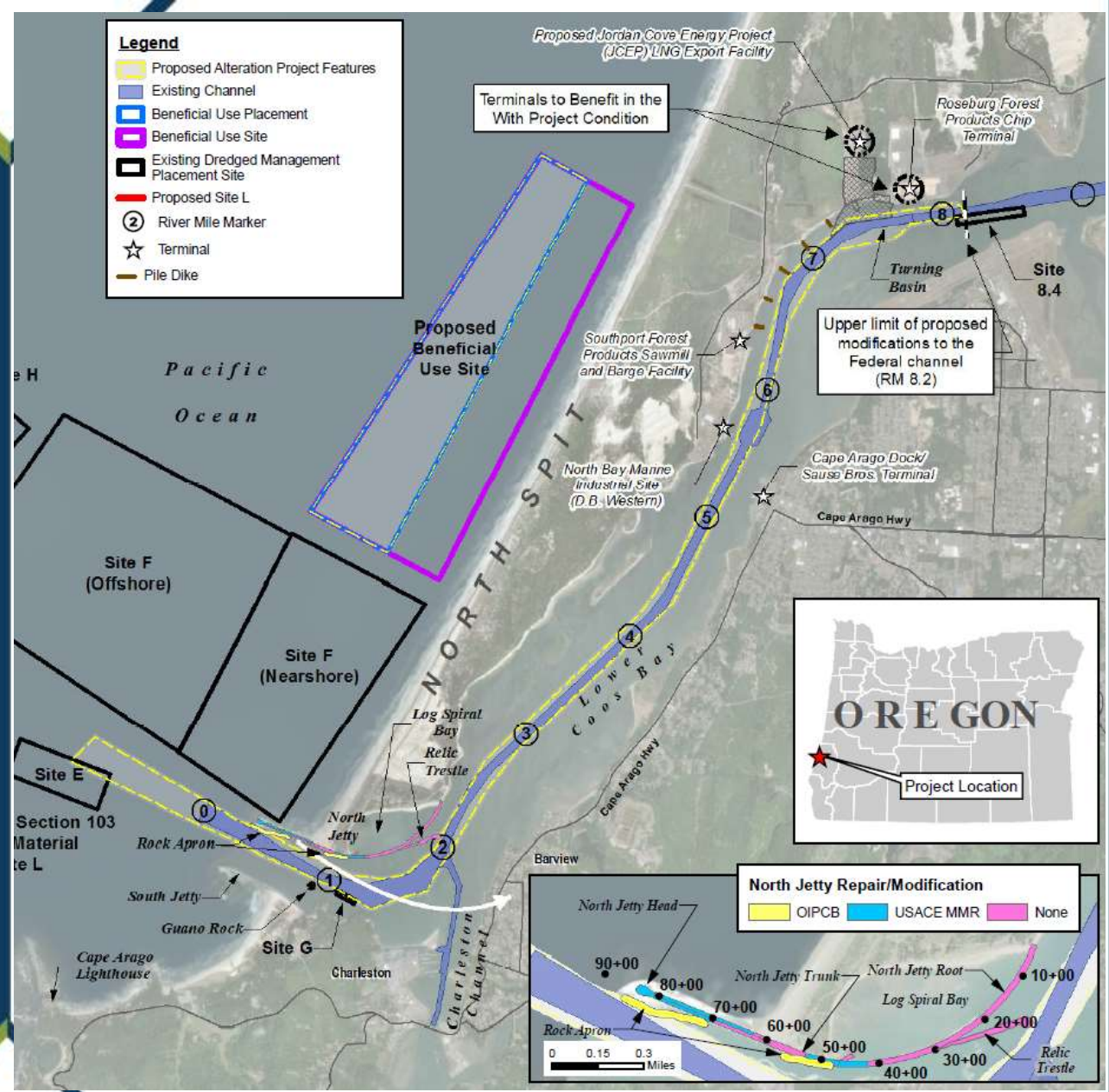
Project Benefits

- Reduced Shipping Costs
- Increase Port's Global Competitiveness
- Increase Import/Export Capacity for Oregon
- Support Existing/Future Business Development



Proposed Alteration

- RM -1 to 8.2
- Deepening
 - -37' to -45' MLLW (est)
 - -45' to -57' MLLW (Ent)
- Widening
 - 300' to 450'
- Vessel Turning basin
- 15.5 mcy *in situ*
- 10.7 mcy sand
- 4.8 mcy rock



Section 204(f) of WRDA '86 (Public Law 99-662)

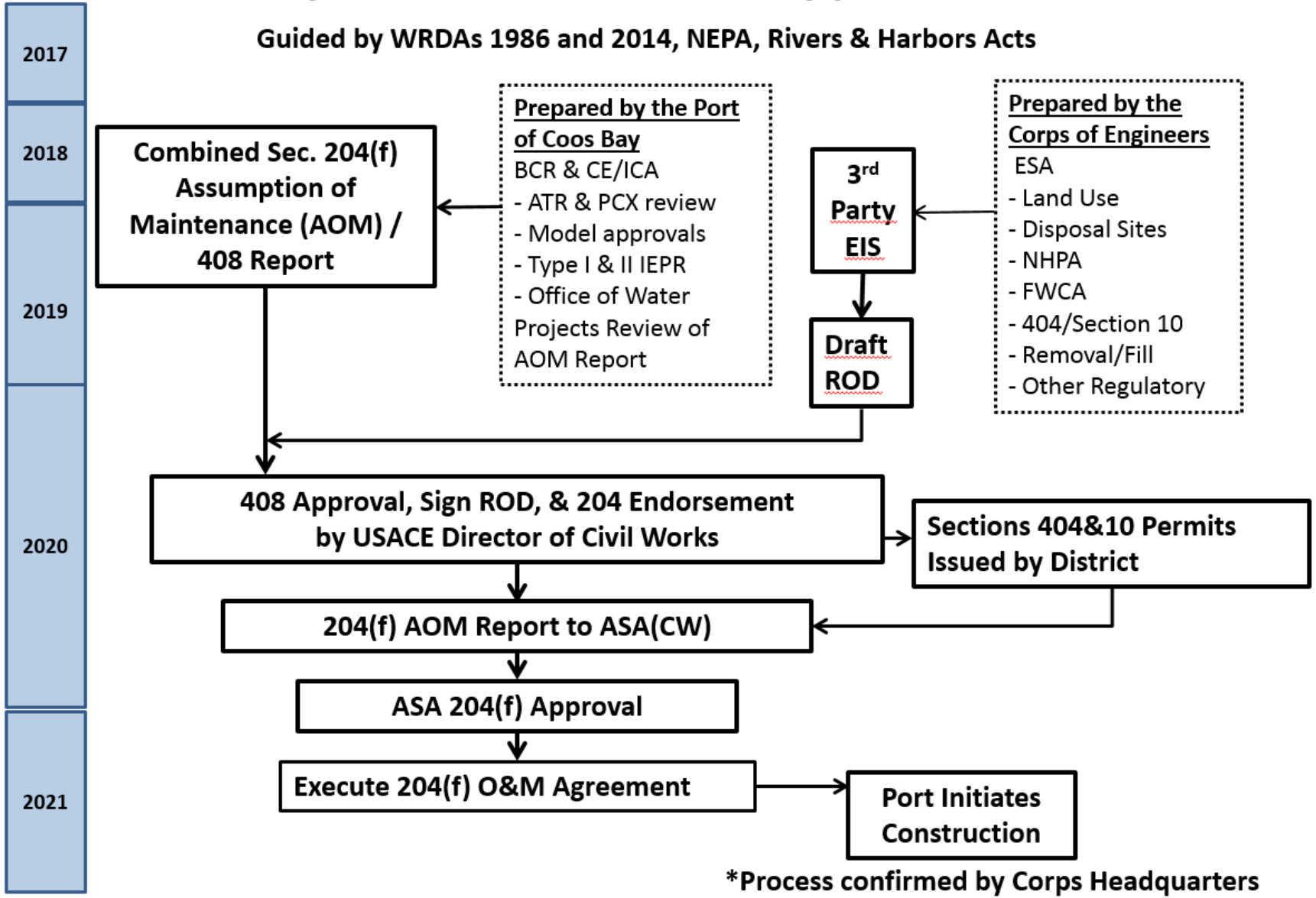
Delegated authority to the Assistant Secretary of the Army for Civil Works (ASA(CW)) to approve requests by non-Federal entities to design and construct non-Federal improvements to USACE navigation projects, and to accept Federal responsibility for maintenance of those improvements after non-Federal construction is completed.

Section 14 of the Rivers and Harbors Appropriation Act of 1899, 33 USC 408 (Section 408)

Mandate to request approval from the Chief of Engineers for the OIPCB to alter the Federal navigation project to deepen and widen the oceanward half of the Federal navigation channel to increase its benefits to the public.

Coos Bay: Section 204(f)/408 Approval Process*

Guided by WRDAs 1986 and 2014, NEPA, Rivers & Harbors Acts



*Process confirmed by Corps Headquarters

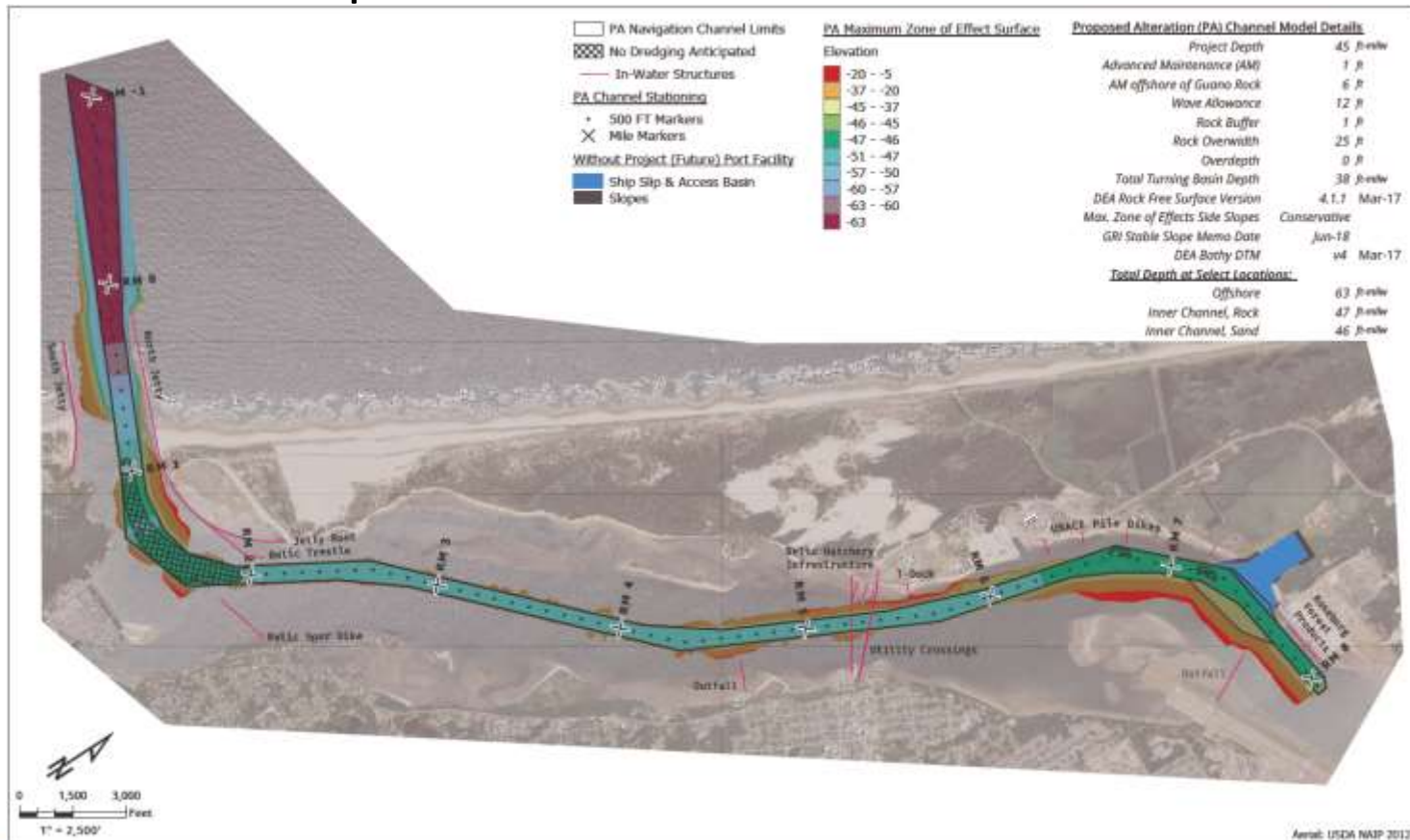
Project Milestones

Highlight the joint responsibilities of the project

Milestone	Date	Lead Agency
Tentatively Selected Plan Report	June 2015	OIPCB
30% Design Report	January 2016	OIPCB
60% Design Report	October 1, 2017	OIPCB
204/408 Report	Spring 2019	OIPCB
Final EIS Report	Winter 2021	USACE
Finalize Design Documents	Winter 2020	OIPCB
Final Section 204/408 Approval	Summer 2021	USACE
Advertise Construction Bid	Spring 2021	OIPCB
Notice to Proceed	Summer 2021	OIPCB
Construction Complete	Winter 2024	OIPCB/USACE

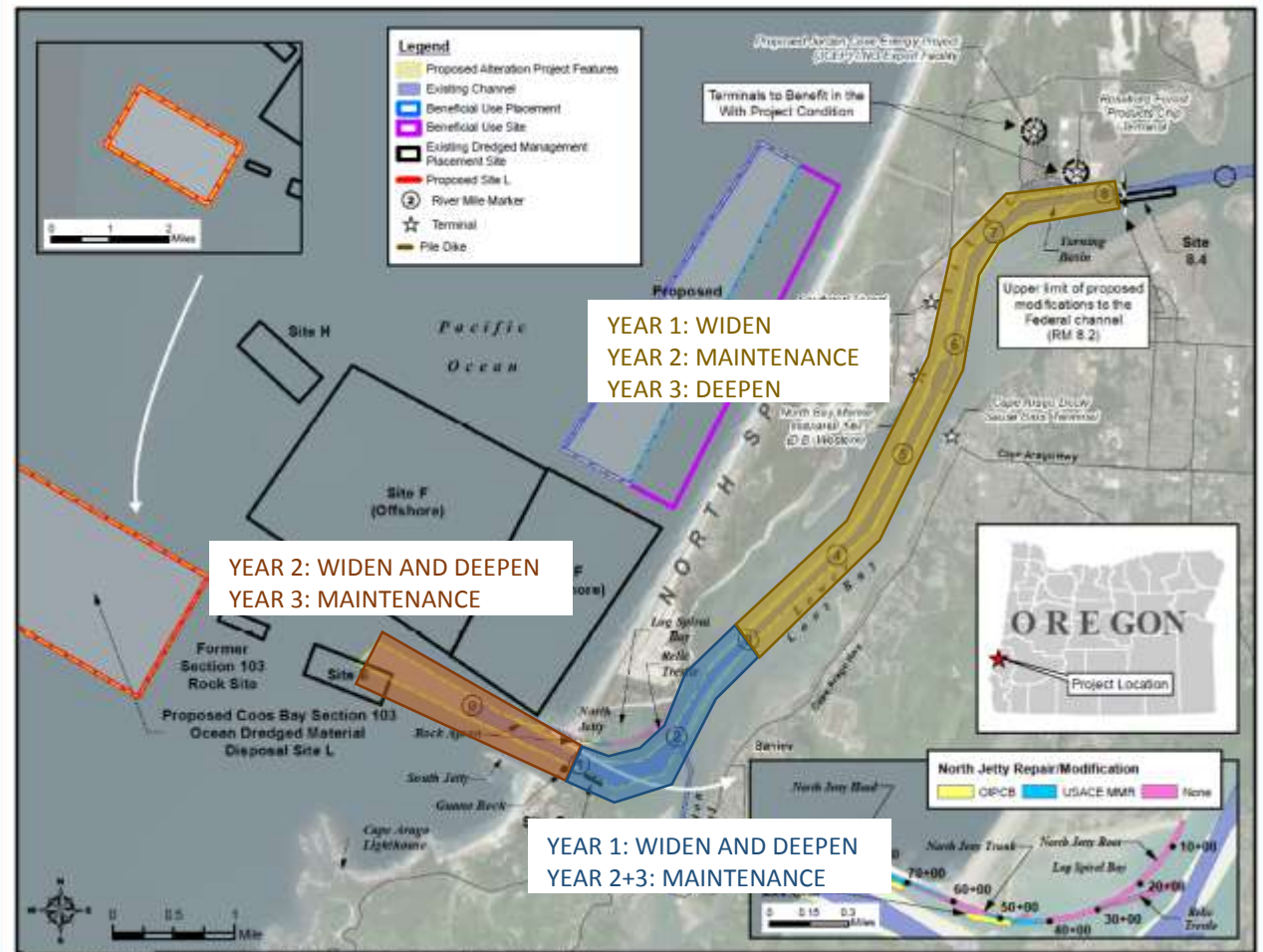
204(f) Requirement: Side Slope Analysis

How will equilibration volumes affect future O&M?



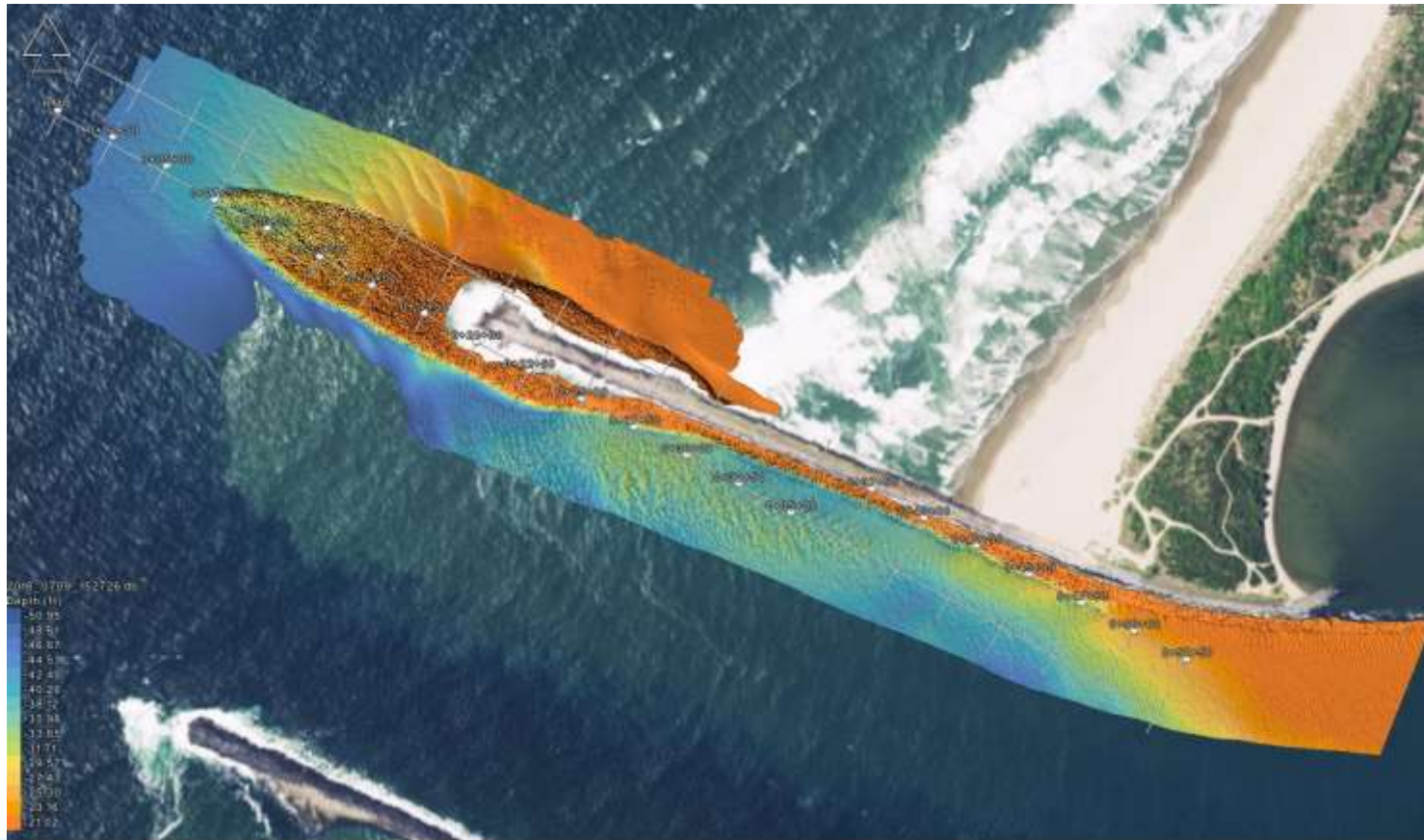
204(f) Consideration: Construction Phasing

- Annual phasing cognizant of side slope equilibration volumes
- Environmental windows*



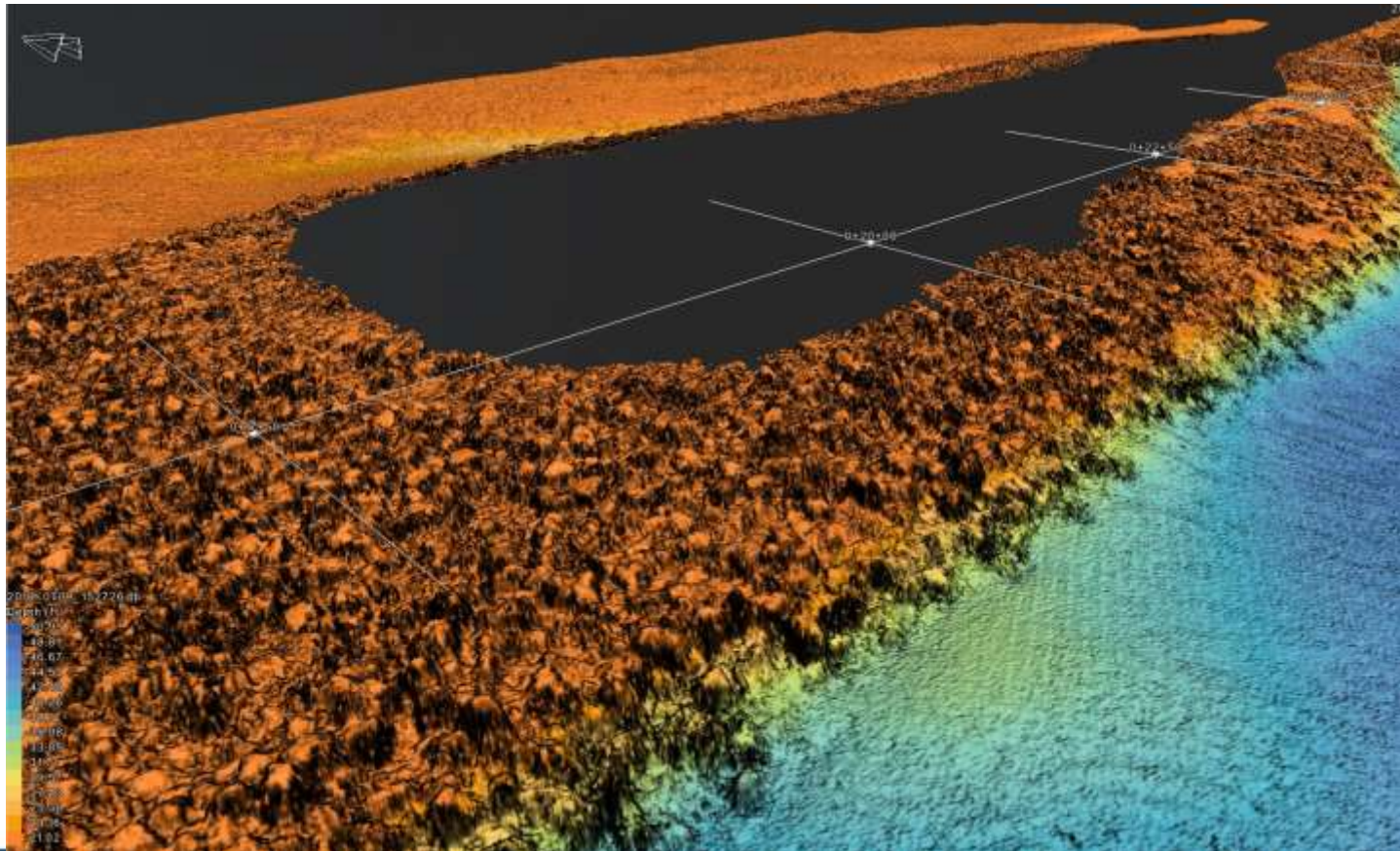
408 Requirement: Channel Infrastructure

Analysis of effects to the North Jetty



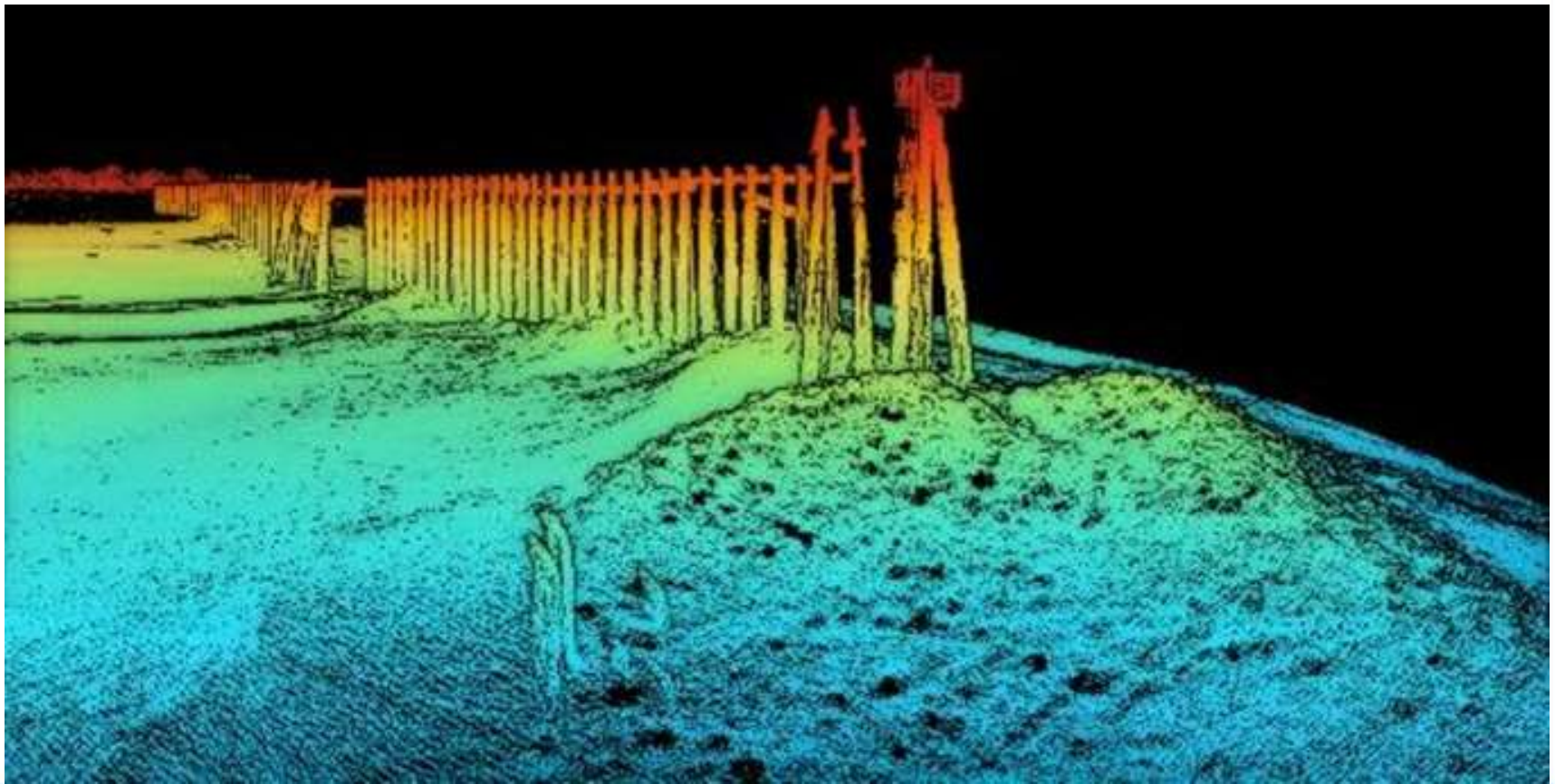
408 Requirement: Channel Infrastructure

Provide protection to the North Jetty – Rock Apron



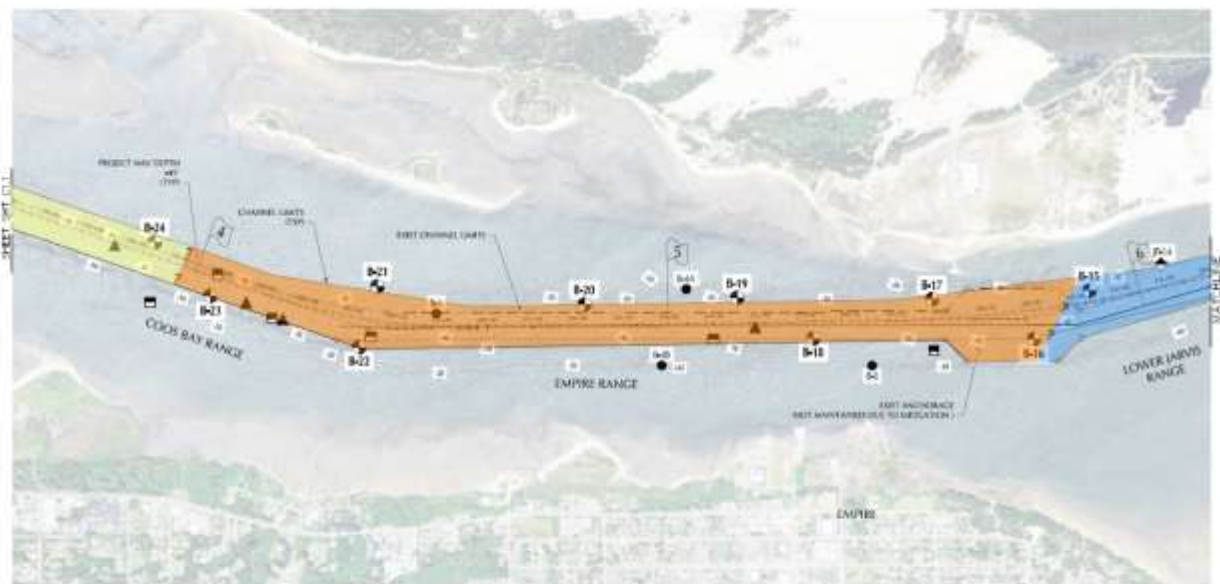
408 Requirement: Channel Infrastructure

Assess (side slope equilibration) effects to pile dikes



Data Sharing

- Grain Size Data
- Geotechnical Investigations



NOTES

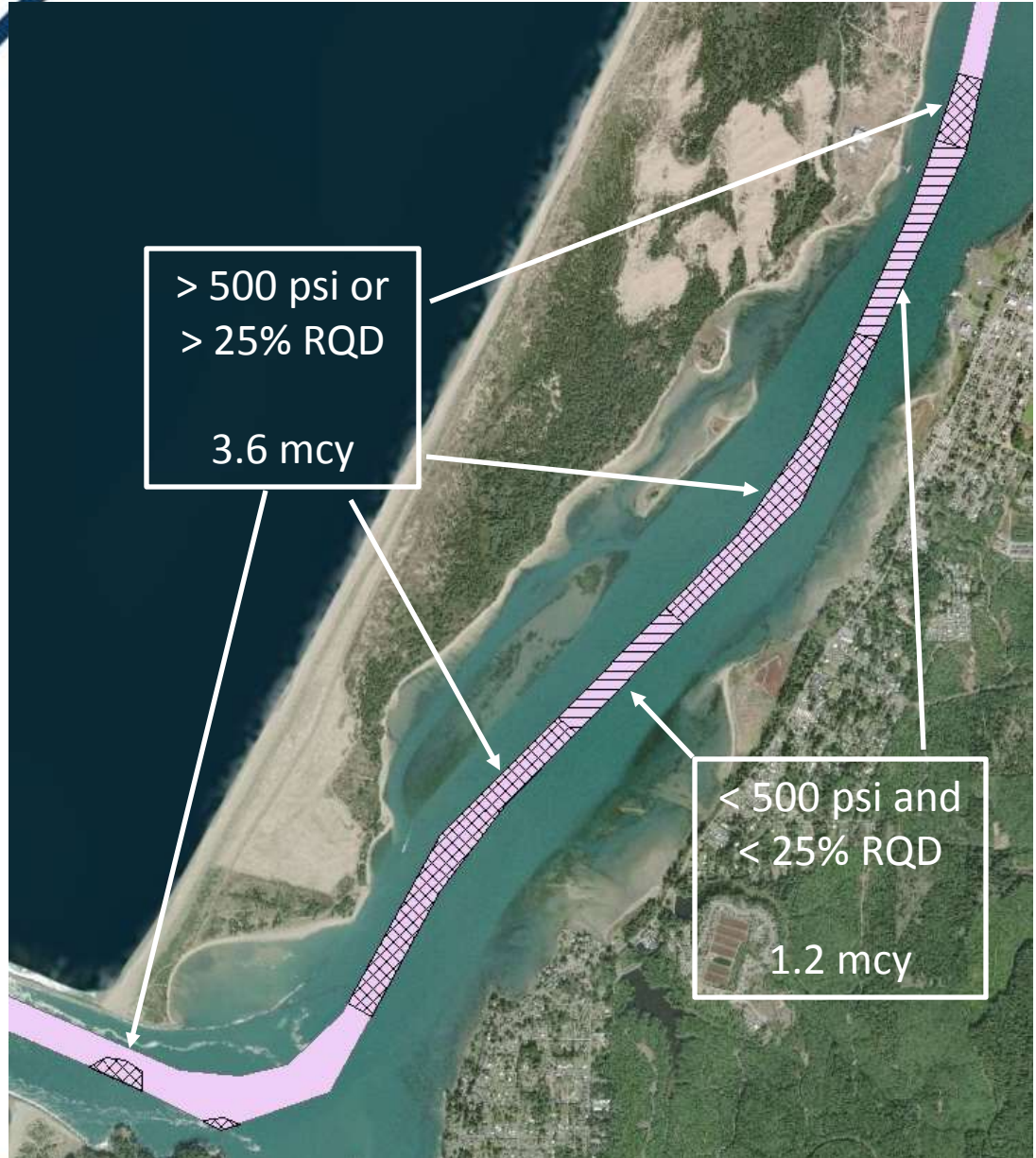
- 1) ELEVATIONS BASED ON THE VERTICAL DATUM OF MEAN.
- 2) THE LOCATIONS OF ALL FEATURES SHOWN ARE APPROXIMATE.
- 3) THIS DRAWING IS FOR INFORMATION PURPOSES. IT IS INTENDED TO ASSIST IN SHOWING FEATURES DISCUSSED IN AN ATTACHED DOCUMENT. GSI CANNOT GUARANTEE THE ACCURACY AND CONTENT OF ELECTRONIC FILES. THE HARDER FILE IS STORED BY GSI AND WILL SERVE AS THE OFFICIAL RECORD OF THIS COMMUNICATION.



- ▲ GRI 0215 BT PROBE EXPLORATION
 - GRI 0216 BORING EXPLORATION
 - GRI 0218 BORING EXPLORATION
 - ▲ CORPS 0174 BORING EXPLORATION
 - CORPS 0176 BORING EXPLORATION
- SITE PLAN AND COMPLETED BY TIME 80 FROM MOFFATT & NICHOL, BNA SUBMITAL.

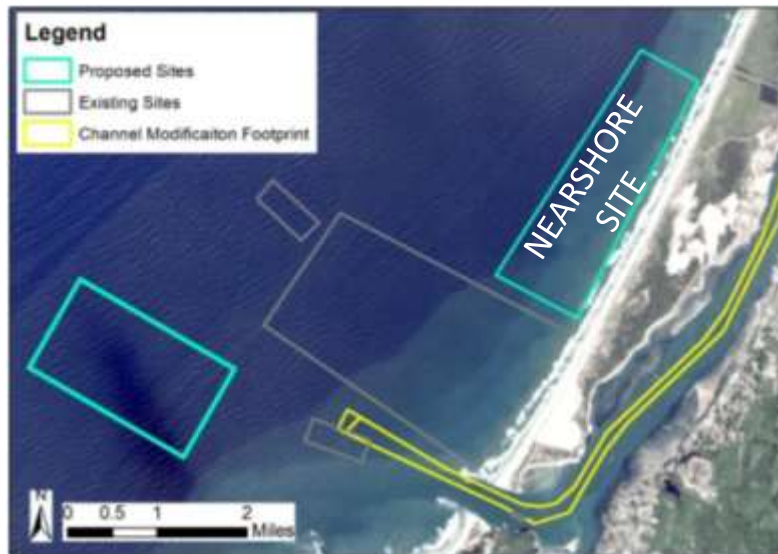
Data Sharing

- Mapping of geotechnical properties



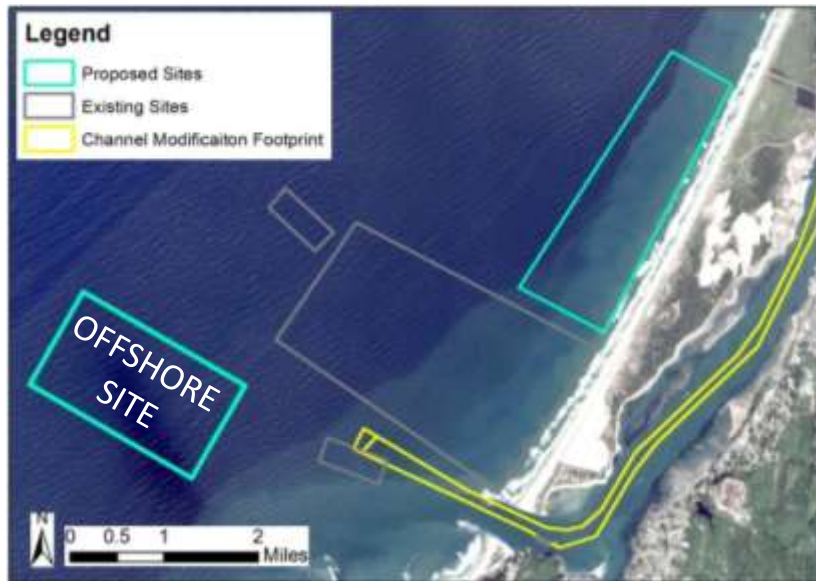
Lessons Learned – Dredged Material Disposal

- Nearshore Beneficial Use Site: estimate dispersal for sand-only placement
- Maximized beneficial use: up to 3.1 mcy per year



**Offshore Site and Nearshore
Beneficial Use Site are both ~4
miles from RM 0**

Lessons Learned – Dredged Material Disposal



**Offshore Site and Nearshore
Beneficial Use Site are both ~4
miles from RM 0**

- Offshore Site:
coordination with
USACE/EPA for permitting
- Identified maximum
mounding height
- Generated Dump Plan

THANK YOU!

QUESTIONS?