Lower Newport Harbor:

,

Dredging &

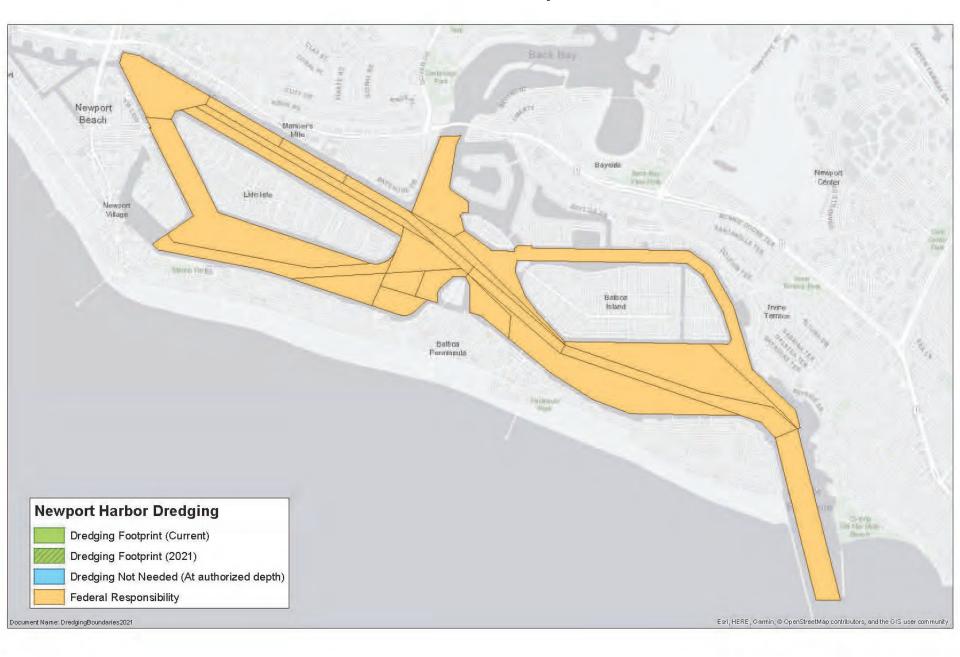
Confined Aquatic Disposal (CAD)

Chris Miller Public Works Manager City of Newport Beach Adam Gale Managing Planner Anchor QEA, LLC

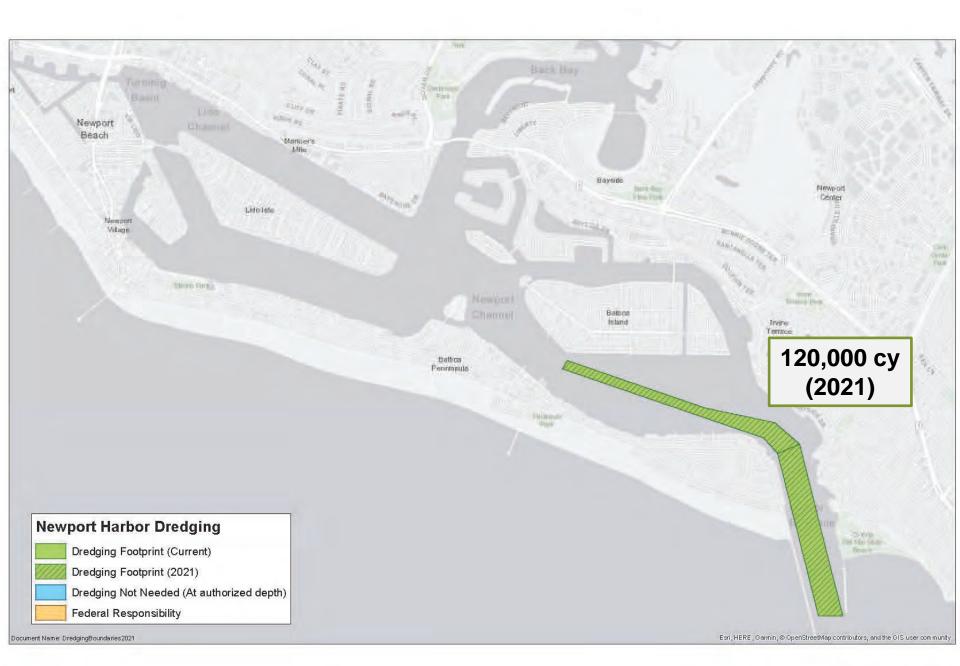


WEDA
Seattle
October 29, 2021

Federal Channels – Newport Harbor

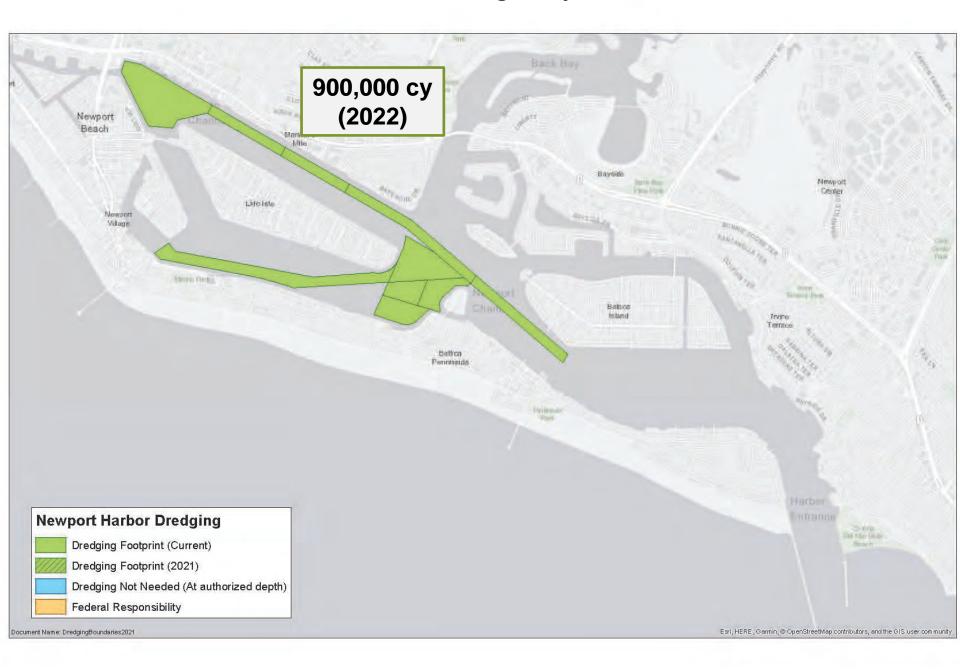


2021 Dredge

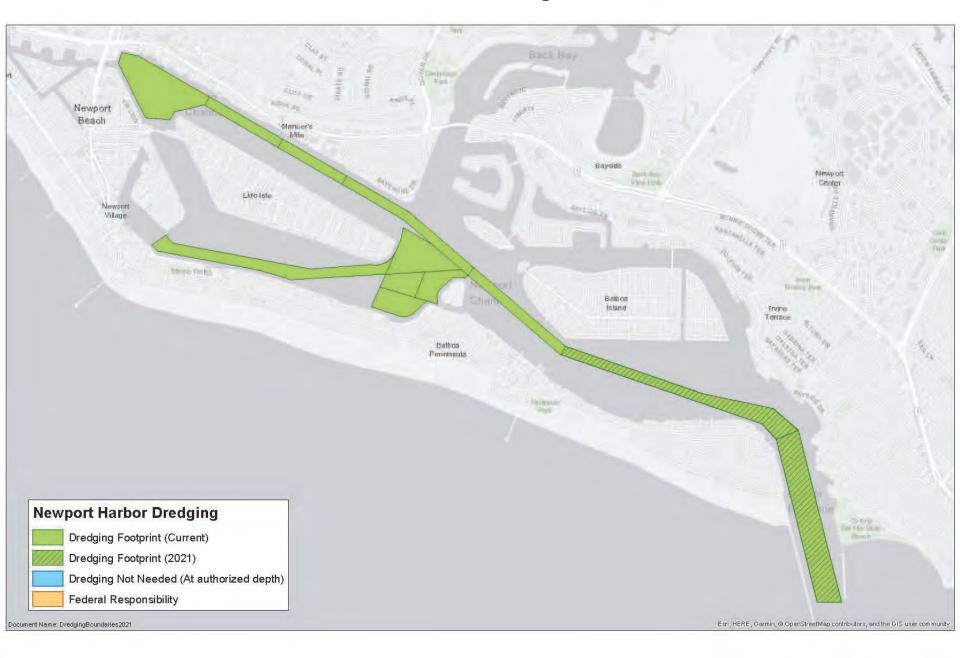




Current Dredge Project

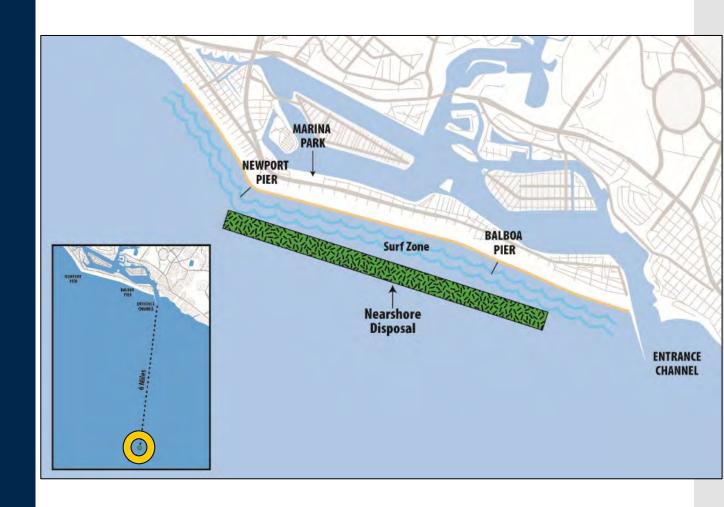


2021-22 Dredge



Most sediment suitable for nearshore or open-ocean placement

Replenishes peninsula ocean <u>beach sand</u>



Open Ocean Disposal Limit

Hg>1.0 ppm (olive)

<u>Before</u> Advocation & Negotiating with EPA



Regulatory/Permit Relief to Allow Ocean Disposal

Hg>1.5 ppm (olive)

After Advocation & Negotiating with EPA & provided that we address all Federal Channels



Regional General Permit 54 Boundaries (City Dredging Permit) **Sediment Characterization**



within the RGP permit area.

ether solid or dashed, always follow the shoreline rather than following individual fingers or docks. ODMDS (Ocean Dredged Material

(parts per million)

Disposal Site Project Objectives

Most appropriate and feasible.

• Minimize impacts to the maximum extent practicable.

Accommodate other non-federal material.

• Beneficial reuse – beach nourishment.

2011-12 Dredging solution:

Disposal at POLB

2011-12 Port of Long Beach Disposal Rhine Channel & Lower Bay



Project Alternatives

Trucked to landfill (~8,800 round-trip trucks)

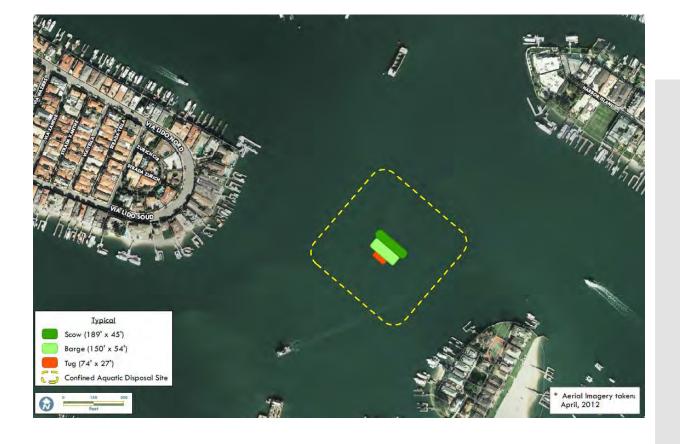
Or

Smaller CAD with trucking

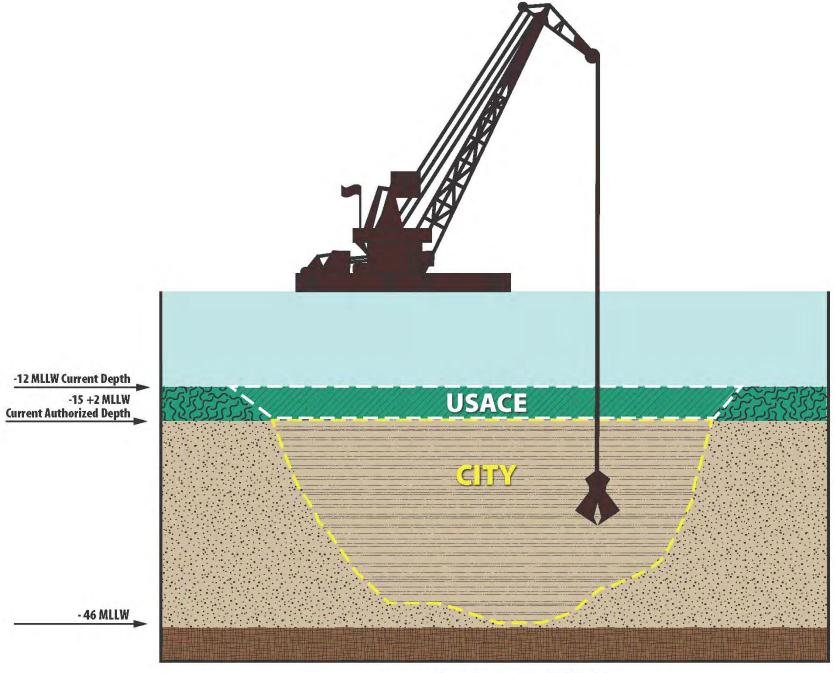


CAD Location

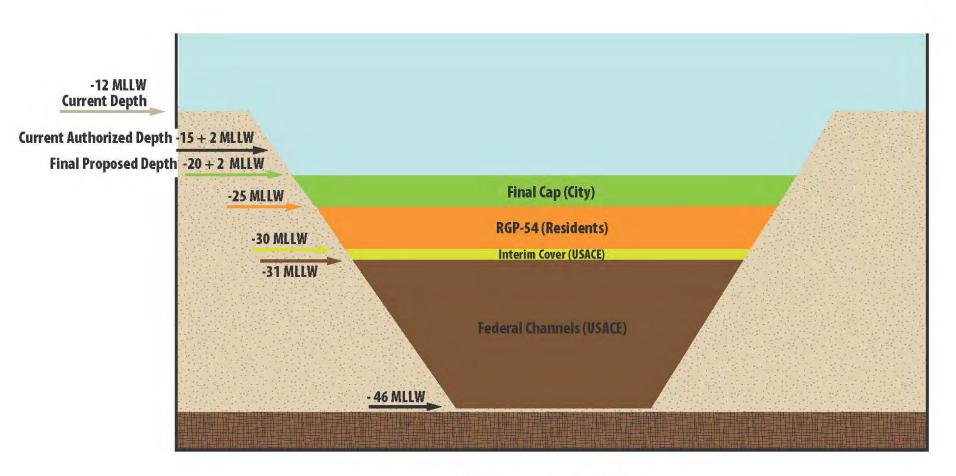
Single, Centralized Location



- Equal proximity to unsuitable material (reduces transit time, disruption and cost)
- Deeper water = maximizes scow capacity
 - Reduces timeline, cost and emissions
- Not a known eelgrass area
- Area already required to be dredged



Excavation Responsibilities



Fill Responsibilities

Basis of Design Report (BODR)

Technical Details

- 1. Subsurface conditions and soil types
- 2. Size, dimensions
- 3. Long-term placement of sediments
- 4. Stability of adjacent structures
- 5. Consolidation of material over time
- 6. Equipment types
- 7. Numeric modeling: wind/storm waves, vessel wakes, potential propeller wash etc.

CEQA Review

California Environmental Quality Act

- Considers the "whole of the project"
 - CAD and Federal Channels dredging

Findings:

- No project-level impacts, or
- Less-than-significant project-level impacts, and
- No known significant and unavoidable effects on the environment

CEQA Review

Environmental Impact Report

City Council Certified May 2021

Regulatory Permits

Currently under review

Next Steps

- Funding (estimated \$20 million)
 - City committed to \$10M cost share

- Project Bid
 - Early summer 2022

Question and Comments?



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