



Beneficial Reuse Of Dredge Materials at the Port of Los Angeles



Wilmington

Long Beach

**Rattlesnake
Island**

**San
Pedro**

San Pedro Bay

**1872
San Pedro Bay
Shoreline**



***Comparison of
1872 to 2010
San Pedro Bay
Shoreline***

2012 POLA Container Terminals



8 Container Terminals
1700 acres
24 Berths
68 Dock Cranes

2011 Volume: 7.9 mil teu's

Priorities for Clean Sediments

1. Beneficial reuse on port property
2. Beneficial reuse for shallow water habitat (SWH) creation
3. Temporary aquatic storage for later beneficial reuse
4. Beneficial reuse for beach nourishment
5. Clean cap/cover for CAD or capping projects
6. Ocean disposal

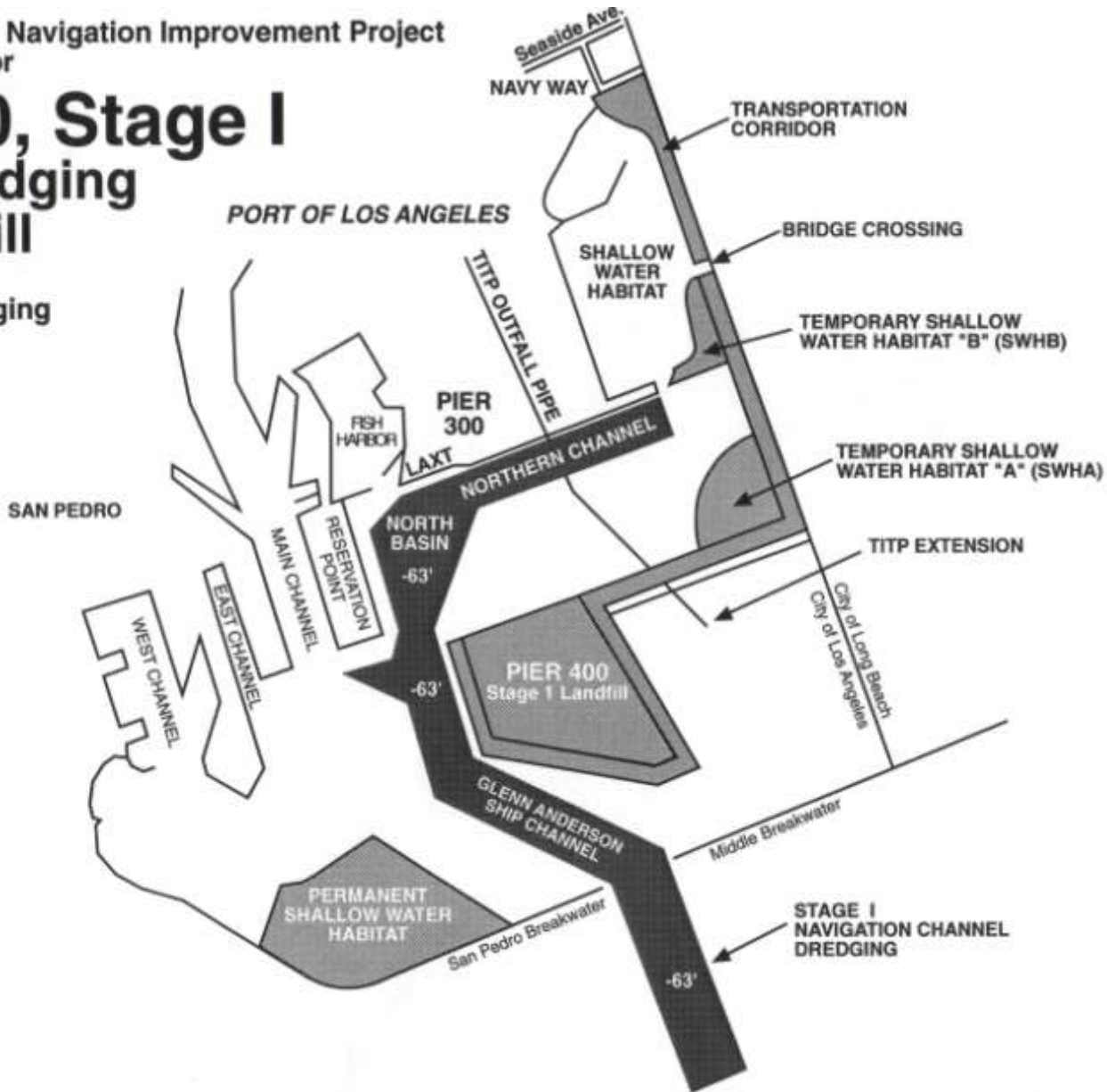
Priorities for Contaminated Sediments

1. Beneficial reuse in a confined port fill (contained within a near shore CDF)
2. Temporary onsite upland storage for later beneficial reuse
3. Suitable treatment option and reuse opportunity
4. Offsite upland placement (i.e., daily cover, construction fill)
5. Submerged CAD site

Federal Deep Draft Navigation Improvement Project
Los Angeles Harbor

Pier 400, Stage I Dikes, Dredging and Landfill

- Channel Dredging
- Fill



Federal Deep Draft Navigation Improvement Project
Los Angeles Harbor

Pier 400, Stage II Dikes, Dredging and Landfill

- Channel Dredging, Stage II
- Fill, Stage I
- Fill, Stage II



Pier 400 Construction - 1995



Pier 400 - 1996



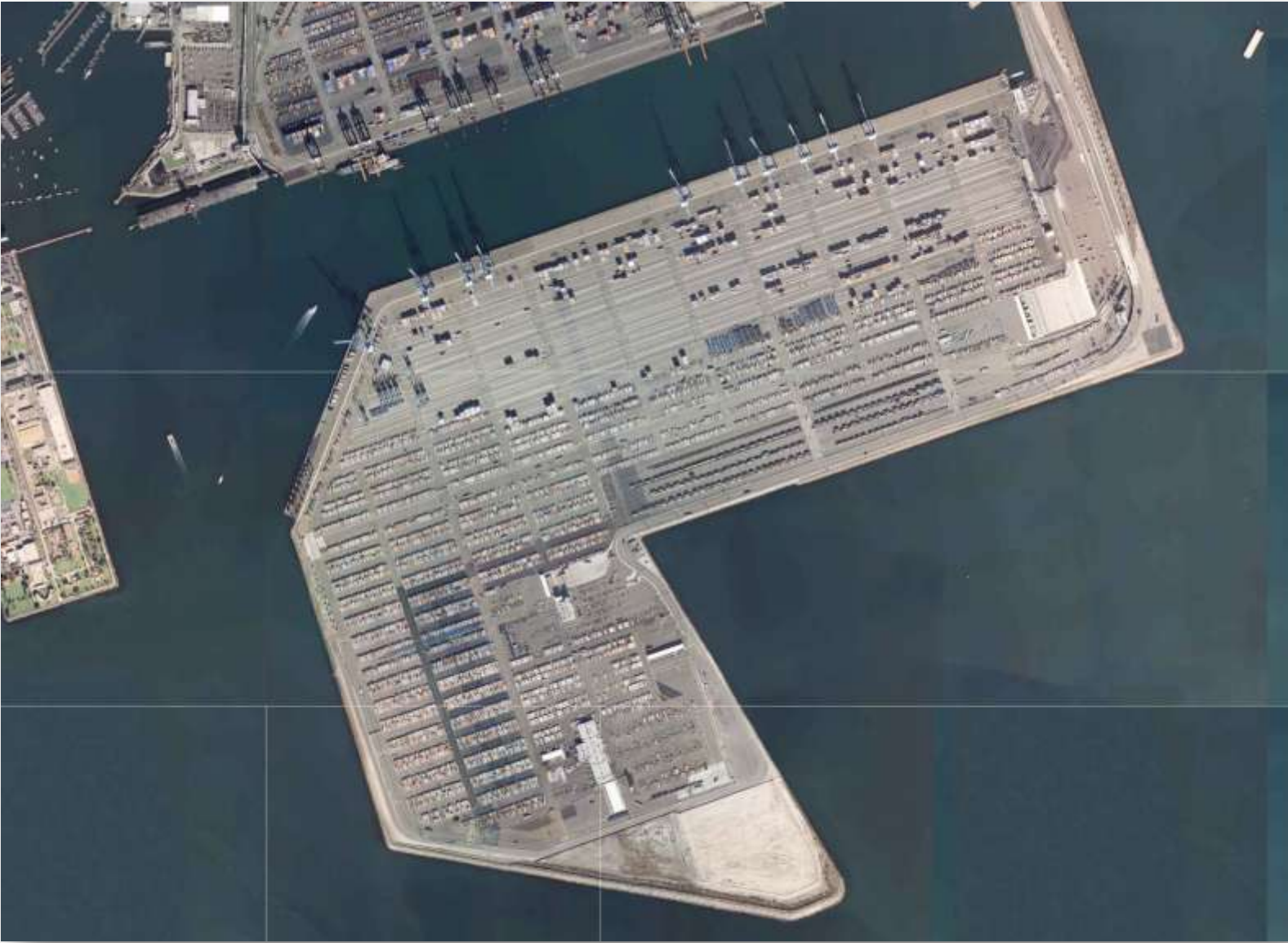
Pier 400 Construction - 1998



Pier 400 - 2000



Pier 400 - 2004



Berth 102 Wharf and Backland



Berth 136



Downtown Harbor



In Construction
Construction Start: Jan 2012
Cost: \$35M

Generating 80,000 Cubic Yards of dredge sediments
***unsuitable for ocean disposal**
***beneficial reuse for a rail project**

Downtown Harbor – Water Cut



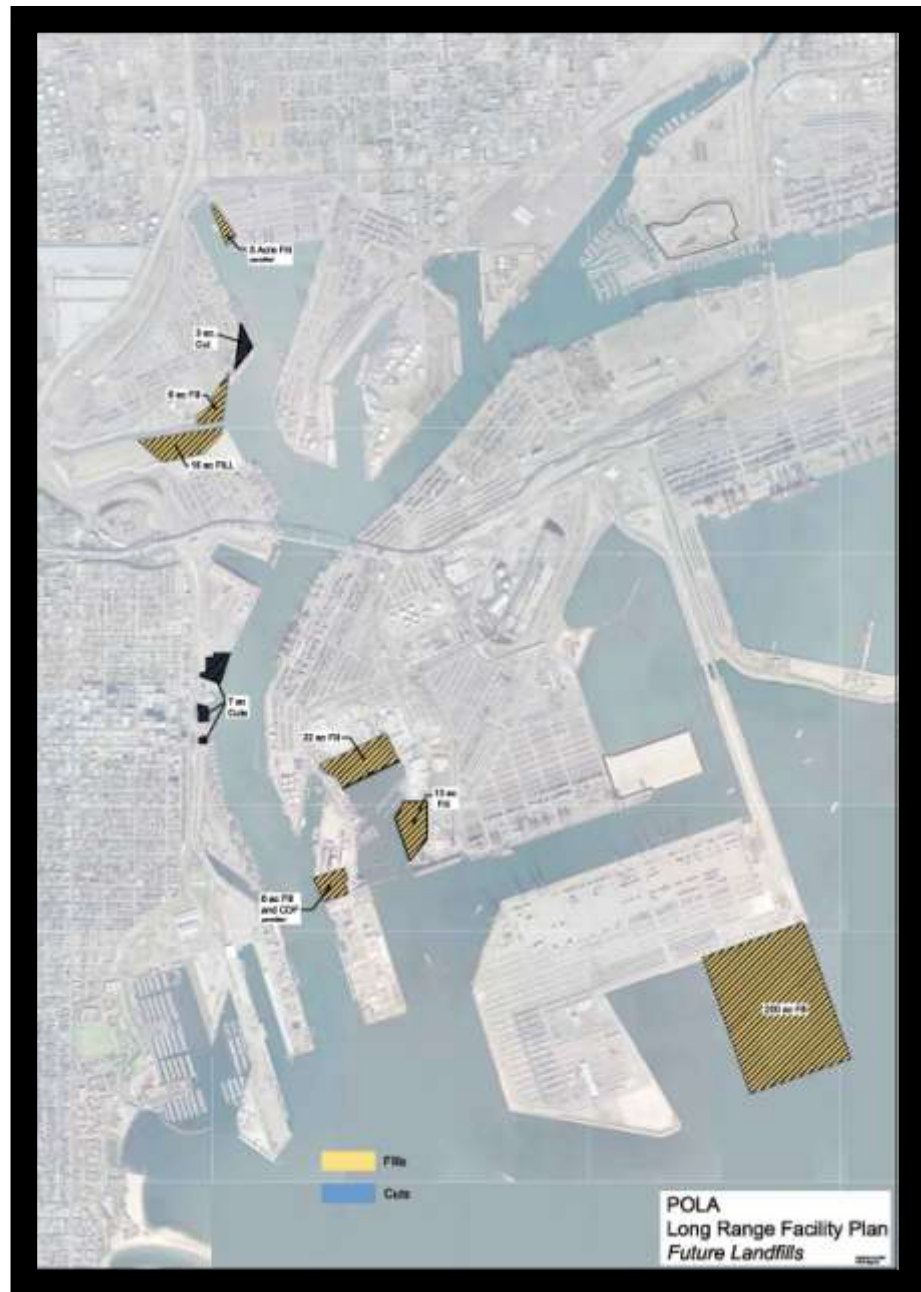
Berth 200 Railyard



- * **Utilize Dredge Material From Downtown Harbor Project**
- * **80,000 Cubic Yards
4% cement added**

Future Opportunities

- *Planned Landfills our main strategy for managing dredge sediments.
- *Continued stockpiling for future reuse.



Pier 500





Thank you for your interest

