Sediment Management Challenges and Solutions for Major Capital Deepening Programs

Kathryn Curtis and Shelly Anghera



Multiple Benefits

- Economic pressure to improve port infrastructure and remain competitive
- Capital programs to accommodate larger vessels
- Maintenance for navigational safety
- Pressure to clean up contaminated sediments

Big Ship Ready

Panamax (1980)

Panamax Max (1985)

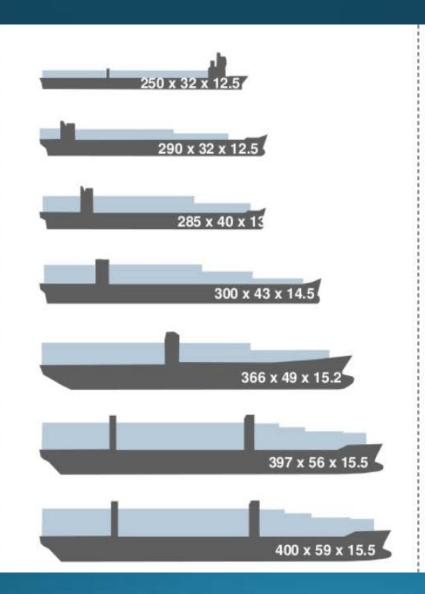
Post Panamax (1988)

Post Panamax Plus (2000)

New Panamax (2004)

Post New Panamax (2006)

Triple E (2013)



3,000 - 3,400 TEU

3,400 - 4,500 TEU

4,000 - 5,000 TEU

6,000 - 8,000 TEU

12,500 TEU

15,000 TEU

18,000 TEU

Big Ship Ready

To transport the 19,224 TEU capacity of the MSC Oscar you would need:



100 Million Cubic Yards



6 Major Port Capital Programs



- Port of Stockton, Jeff Wingfield
- Port of Los Angeles, Kathryn Curtis
- Port of Long Beach, Shelly Anghera
- Port of Miami, Becky Hope
- Jaxport, Joe Miller
- Port Authority New York, New Jersey, Atef Ahmed