

# Galveston Harbor Entrance Channel with Sand Placement to Galveston Beach

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US Army Corps of Engineers  
**BUILDING STRONG**®



# Panel Members

- *Tricia Campbell, Operations Manager, USACE Galveston District*
- *Brandon Smolinsky, Resident Engineer, USACE Galveston District*
- *Kelly deSchaun, Executive Director, Galveston Island Park Board of Trustees*
- *Ray Newby, Coastal Geologist, Texas General Land Office*
- *Steve Auernhamer, Vice President, Gulf Area Manager, Great Lakes Dredge & Dock Company, LLC*



# USACE NAVIGATION MISSION

Provide safe, reliable, efficient and environmentally sustainable waterborne transportation systems (channels, harbors, and waterways) for movement of commerce, national security needs, and recreation.



# Galveston Channel Maintenance Dredging

- Meet Navigation Mission by conducting maintenance dredging to maintain channels to authorized dimensions
- Galveston Channel (from between jetties outward to Gulf of Mexico) is typically dredged every 18-24 months
- Galveston Channel is typically dredged with a hopper dredge (dredge contains material inside dredge and deposits offshore into designated locations, or pumps out from dredge to beach)





Barbours Cut Channel

Bayport Ship Channel

Galveston Bay

Houston Ship Channel

Gulf Intracoastal Waterway

Bolivar Peninsula

Texas City Ship Channel

Galveston Harbor

GULF OF MEXICO

Offshore Dredged Material Disposal Site (ODMDS)

# Beneficial Use Beach Placement

- Partnered with Galveston Island Park Board of Trustees and Texas General Land Office to place material from channel on beach in lieu of offshore placement
- Scope of Contract
  - ▶ Hopper Dredging Contract for Galveston Entrance Channel and Houston Ship Channel
  - ▶ Option for Placement of material along Seawall west of 61<sup>st</sup> Street
- Award to Great Lakes Dredge & Dock Company, LLC
- Total Contract \$20,620,530.
  - ▶ \$11,761,530 Federal Dredging costs
  - ▶ \$ 8,859,000 Non-Federal Beach Placement costs
- Beach Placement: Sept 3, 2015 to Nov 16, 2015
  - ▶ Approximately 500,000 CY placed, 4500' of beach constructed



# Houston – Galveston Entrance Channel & Galveston Beach



# Construction—Great Lakes Dredge & Dock Dredge Terrapin Island



# Panel Discussion



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