

# Southern Coastal Channels- Deep and Shallow Draft

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*Galveston District – 2011 Beneficial Use of  
Dredge Material Workshop*

*Custodians of the Coast*



US Army Corps of Engineers  
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# Southern Coastal Channels, Deep and Shallow Draft



Channel to Harlingen  
Channel to Port Mansfield  
Brazos Island Harbor  
Gulf Intracoastal Waterway (GIWW)  
--Matagorda Bay to Port Isabel  
Channel to Aransas Pass  
Channel to Port Aransas  
Port Isabel Side Channels and Sm. Boat Harbor



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# FY 2012

# Projects

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# Brazos Island Harbor

## Brownsville Jetty Channel



- **Type of Work:** Maintenance Dredging
- **Depth:** 42'
- **Quantity:** 200,000 CY
- **Material Type:** Sand
- **Placement Plan:** Beach / BU
- **Avg. Distance to PA:** 3 Miles
- **Equipment Type:** Pipeline Dredge
- **Small Business Set Aside:** NA
- **Award:** 1<sup>st</sup> Quarter

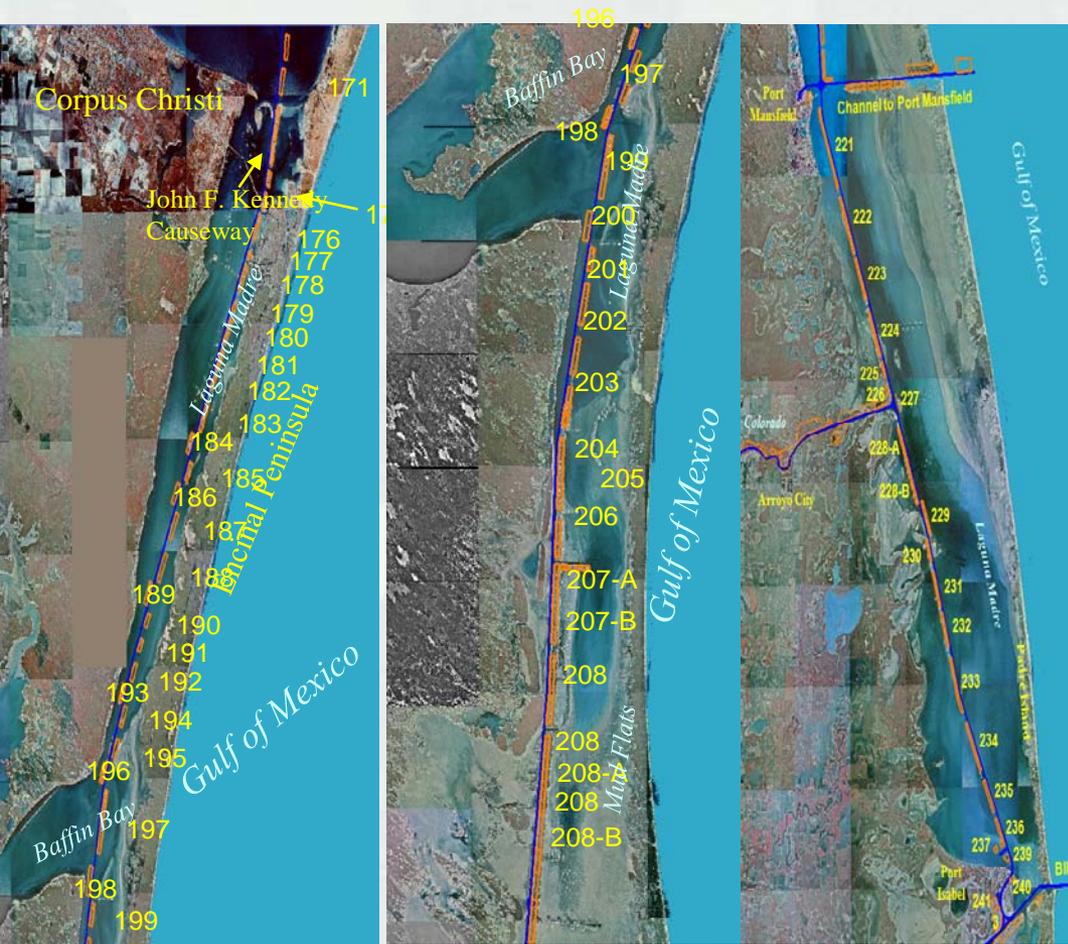


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# Gulf Intracoastal Waterway

Corpus Christi Bay to Mudflats (incl. Port Isabel Bend Easing)



- **Type of Work:** Maintenance Dredging
- **Depth:** 12'
- **Quantity:** 2,300,000 CY
- **Material Type:** Sands/Silt/Clays
- **Placement Plan:** Confined and Semi-Confined PAs
- **Avg. Distance to PA:** 3 miles
- **Equipment Type:** Pipeline Dredge
- **Small Business Set Aside:** N/A
- **Award:** 4<sup>th</sup> QTR FY11

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# FY 2013

## Planned Requirements

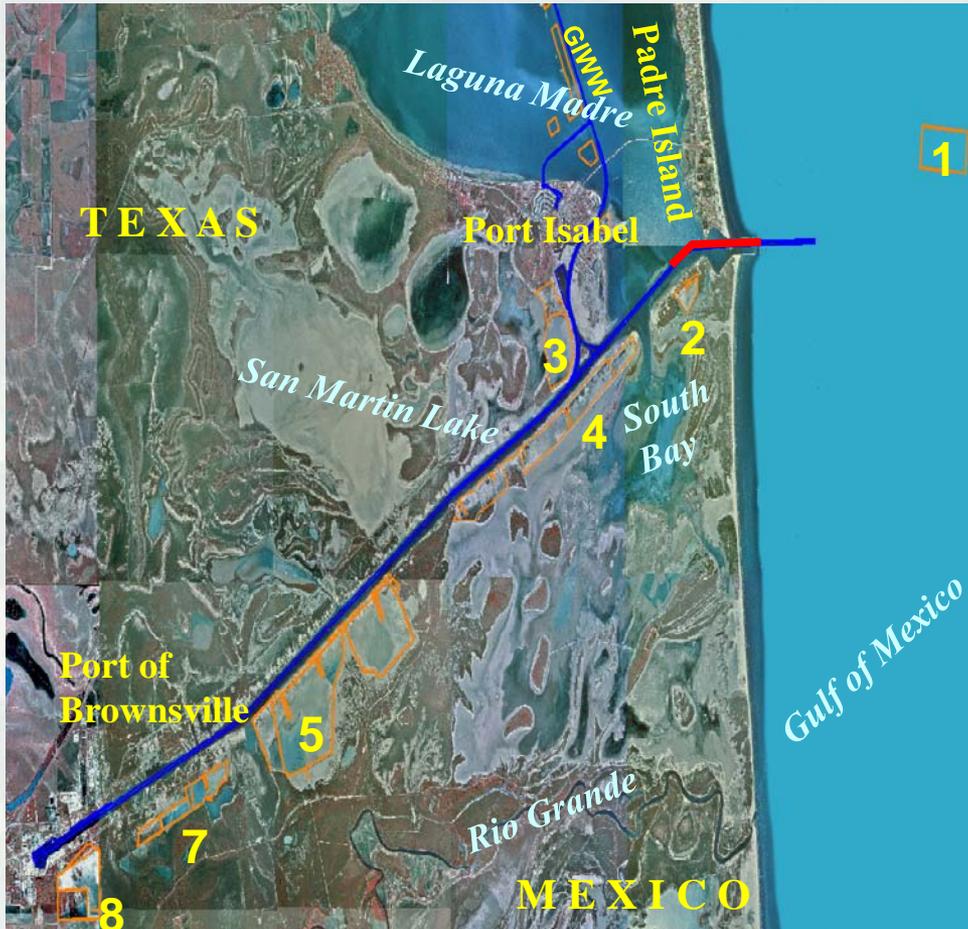
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# Brazos Island Harbor

## Brownsville Jetty Channel



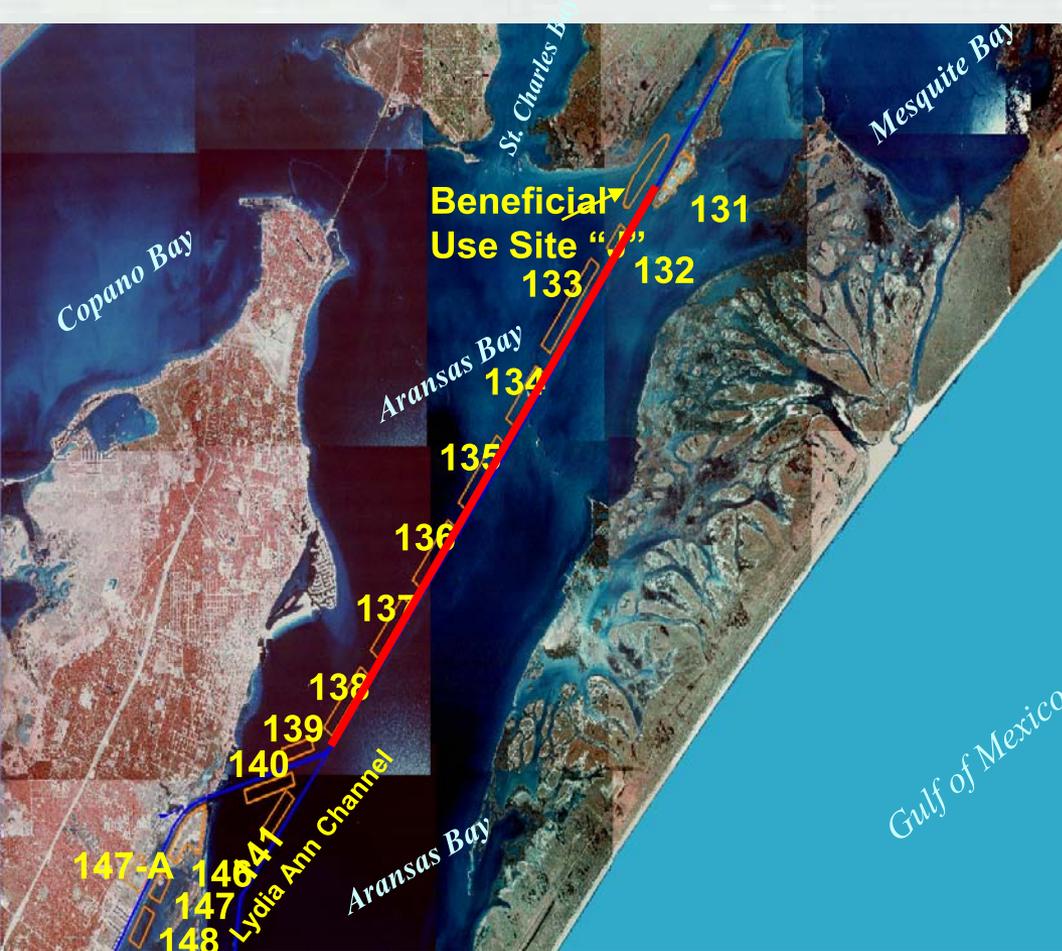
- **Type of Work:** Maintenance Dredging
- **Depth:** 42'
- **Quantity:** 250,000 CY
- **Material Type:** Sand
- **Placement Plan:** Beach / BU
- **Avg. Distance to PA:** 3 Miles
- **Equipment Type:** Pipeline Dredge
- **Small Business Set Aside:** NA
- **Award:** 1<sup>st</sup> Quarter



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# GIWW-Across Aransas Bay



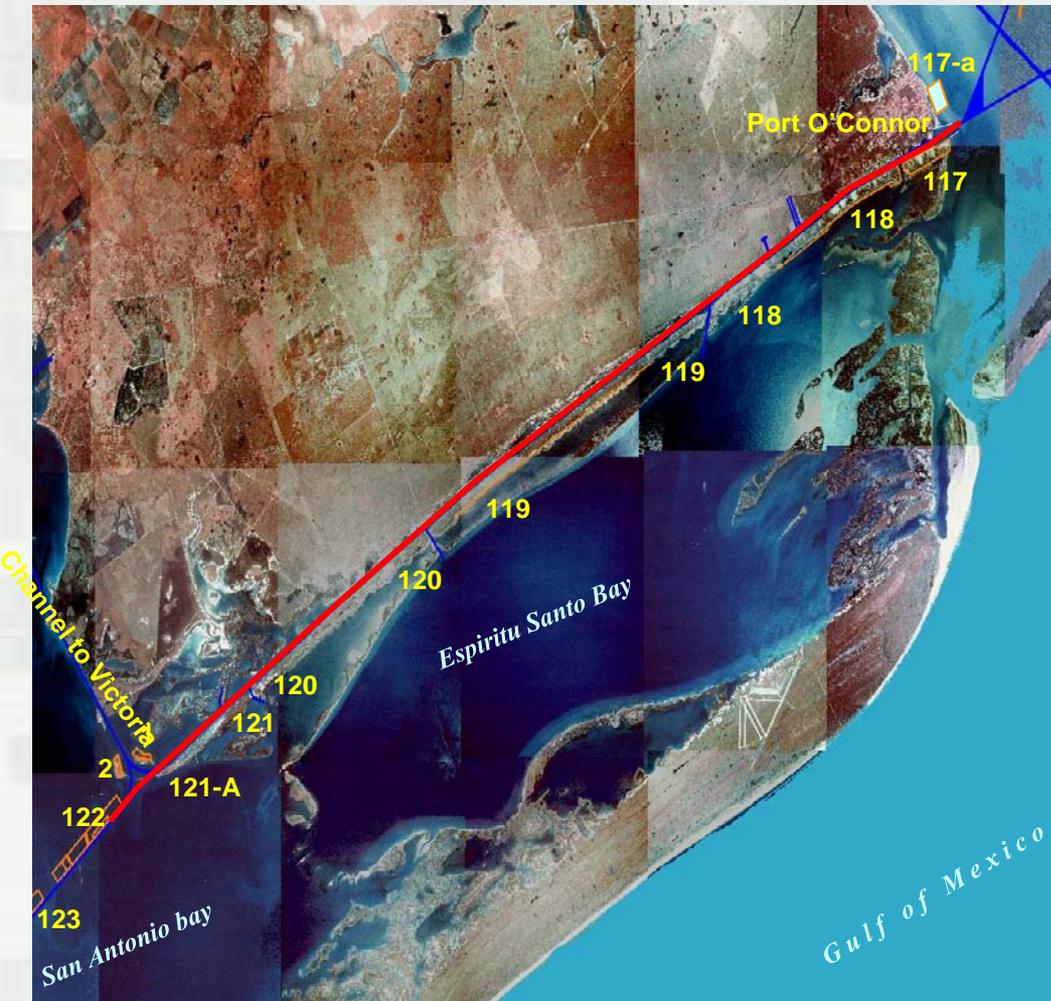
- Type of Work: Maintenance dredging
- Depth: 12'
- Quantity: 1.5M Cubic Yards
- Material Type: Fine Silt/Sand
- Placement Plan: Open/BU sites
- Avg Distance to PA: 3 miles
- Equipment Type: Pipeline/Cutterhead
- Small Business Set Aside: N/A
- Award: 2 QTR FY13

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# GIWW- Port O'Connor to San Antonio Bay



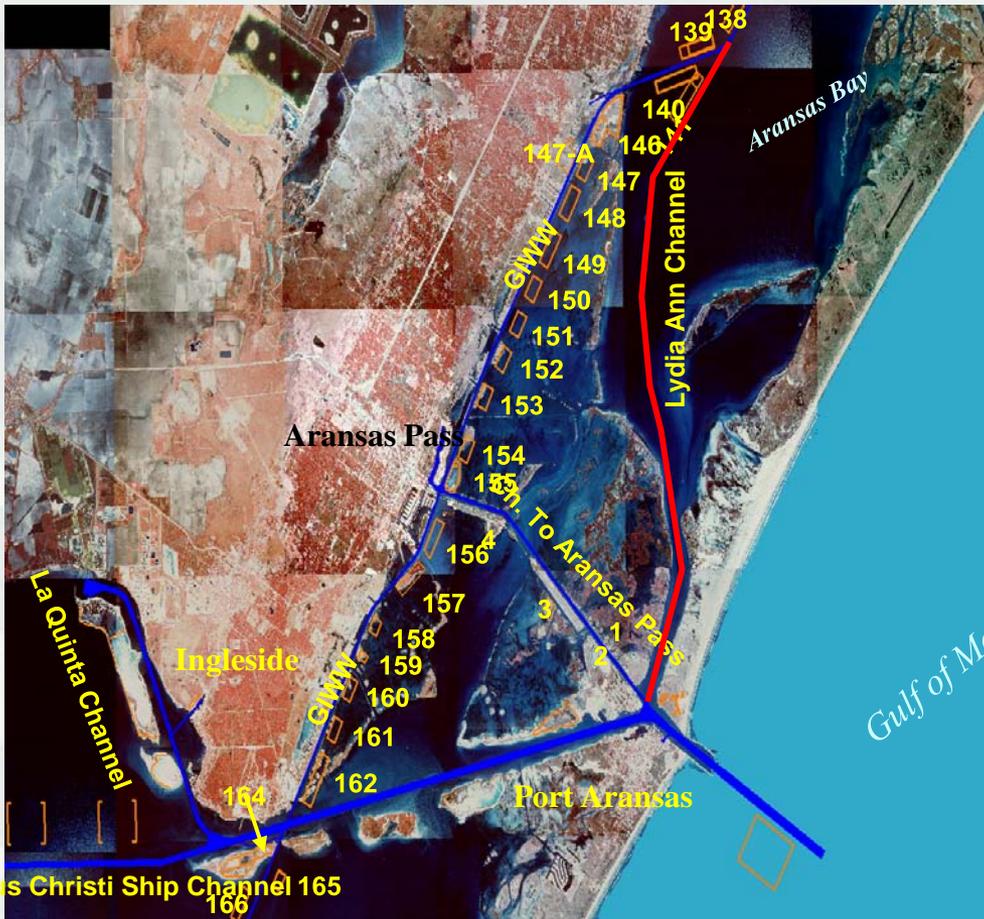
- Type of Work: Maintenance dredging
- Depth: 12'
- Quantity: 1,100,000
- Material Type: Sand/Silt
- Placement Plan: Confined and BU
- Avg Distance to PA: 1.0 M
- Equipment Type: Pipeline/Cutterhead
- Small Business Set Aside: N/A
- Award: 2nd QTR FY13

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# GIWW-Lydia Ann Channel



- Type of Work: Maintenance dredging
- Depth: 12'
- Quantity: 800,000
- Material Type: Sands/Silts
- Placement Plan: Confined
- Avg Distance to PA: Varies
- Equipment Type: Pipeline/Cutterhead
- Small Business Set Aside: N/A
- Award: 2 QTR FY13



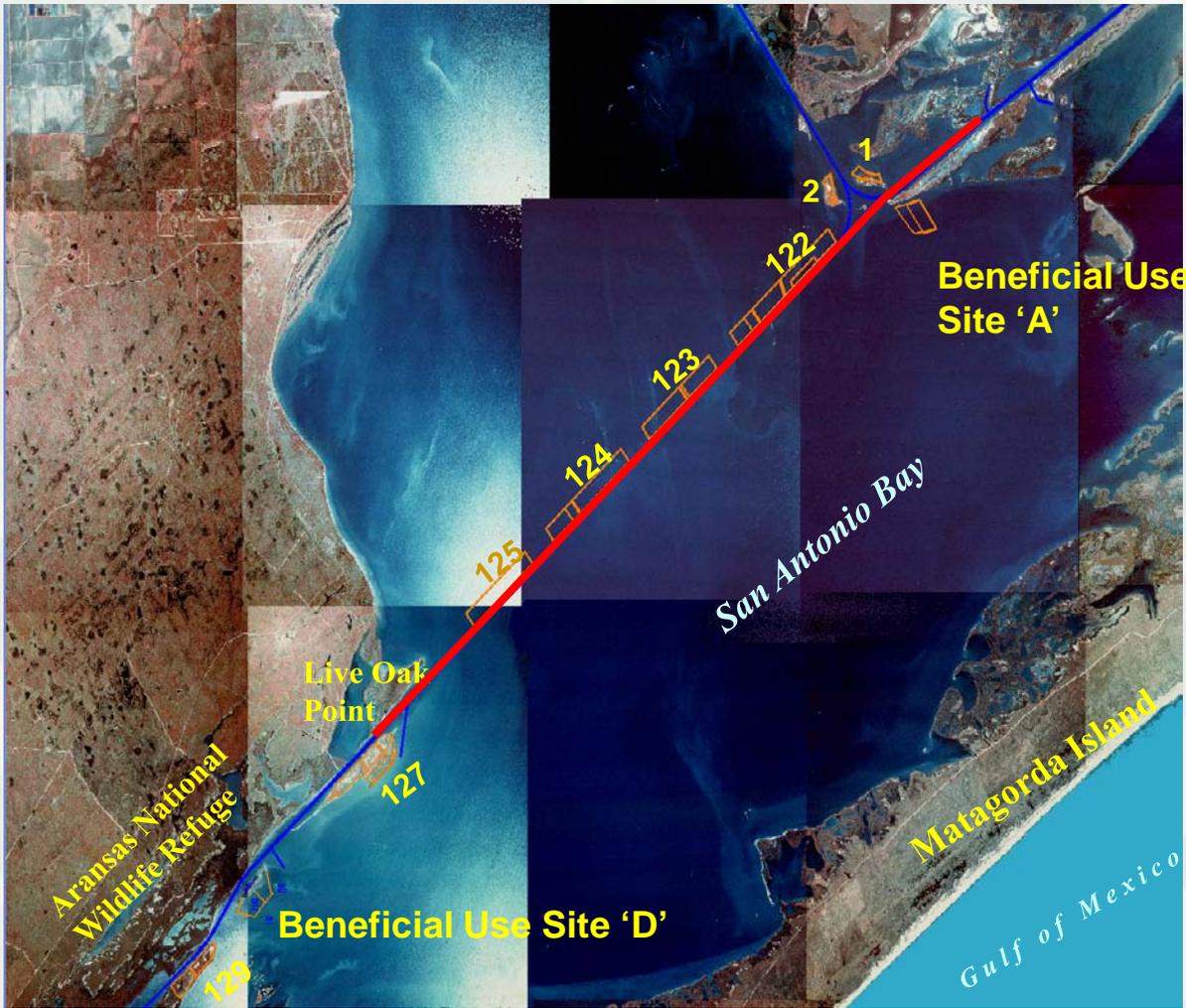
# Beneficial Use Projects

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# GIWW- BU Activities-ANWR



Create new cells at  
BUS A, BUS B, & BUS D



# Channel to Port Mansfield

## Beach Nourishment

- 500,000 cubic yards of sand used to construct 3 acres beach
- Nesting habitat for endangered sea turtles



- Above – new beach in foreground
- Left – Hydraulic pipeline in left foreground; jetty to right; bulldozer grading new beach sediment in background



# South Padre Island (Brazos Island Harbor)



- Beach  
Nourishment
- 3000 feet of beach nourishment
  - City of South Padre in background
  - Hydraulic pipeline at right



# Questions Comments?



For more information, contact:

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