

Upper Texas Coast Channels

Karl Brown

Operations Project Manager

US Army Corps of Engineers

27 October 2011

Galveston District – 2011 Dredging Conference

Custodians of the Coast

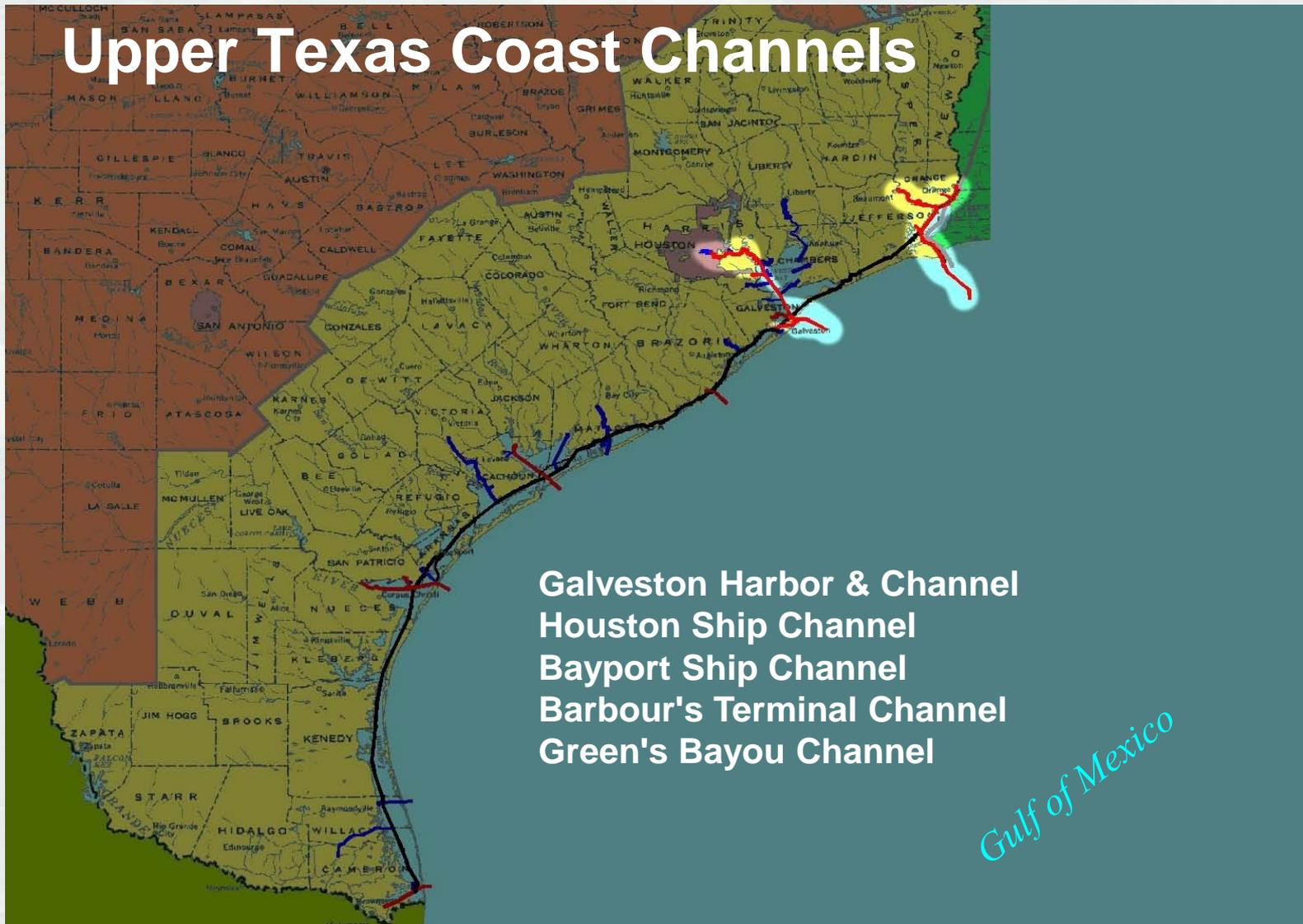


®

US Army Corps of Engineers
BUILDING STRONG®



Upper Texas Coast Channels



Galveston Harbor & Channel
Houston Ship Channel
Bayport Ship Channel
Barbour's Terminal Channel
Green's Bayou Channel

Gulf of Mexico



FY 2012

Projects

Galveston District – 2011 Dredging Conference

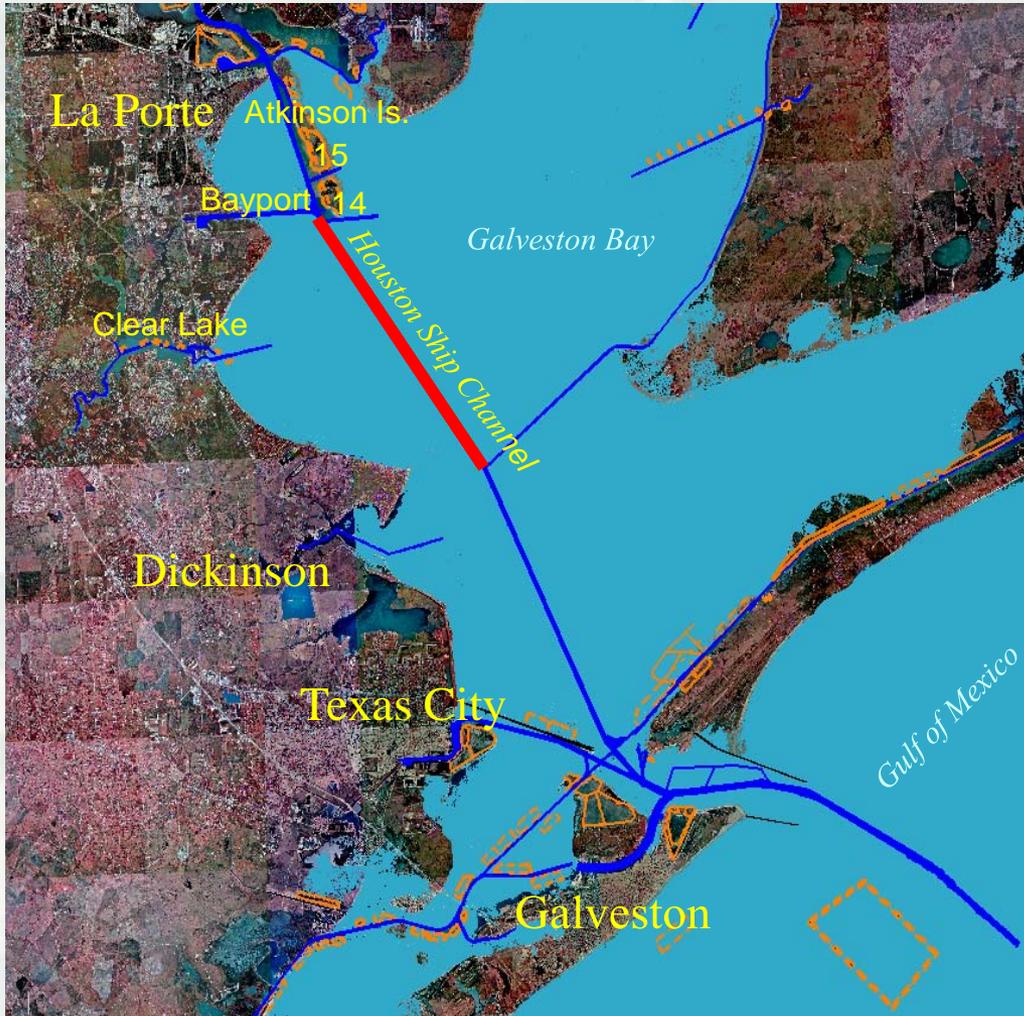
Custodians of the Coast



BUILDING STRONG®

Houston Ship Channel

Redfish Reef to Bayport (Beacon 76)

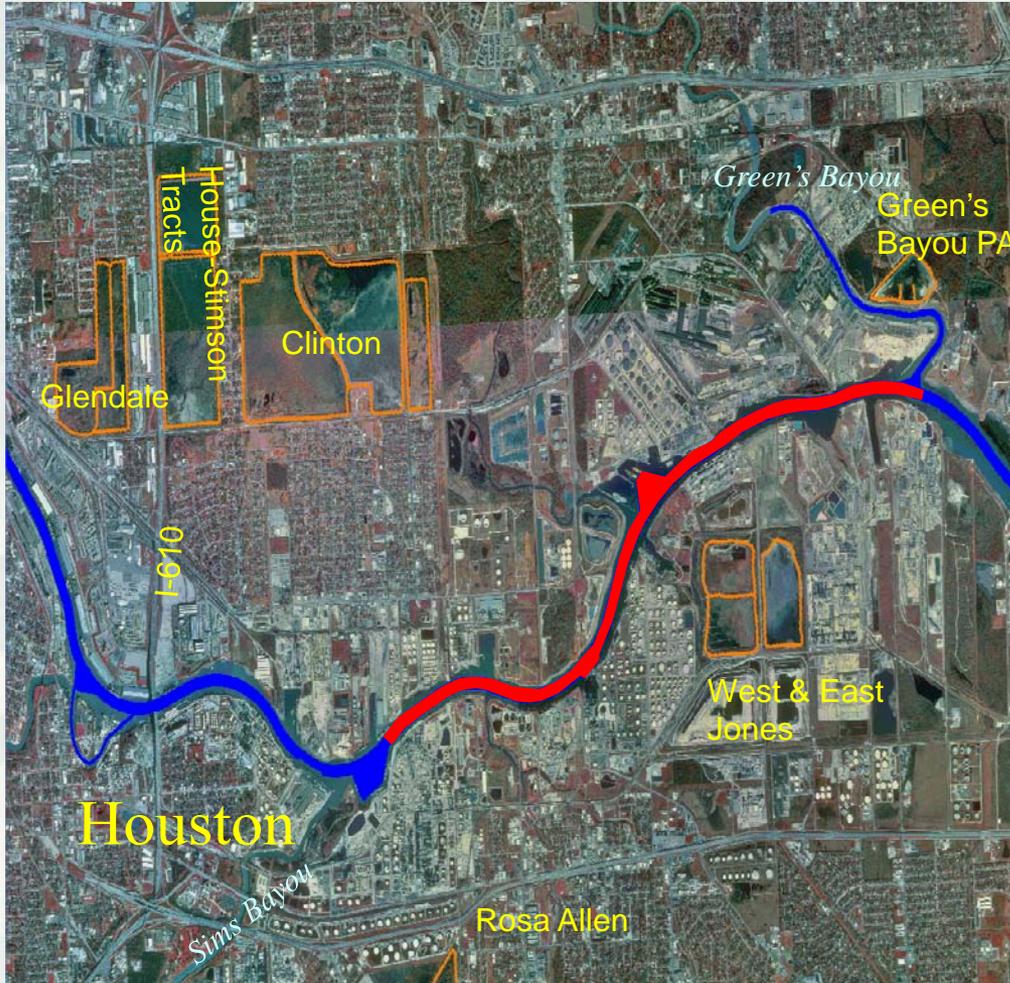


- **Type of Work:** Maintenance Dredging
- **Depth:** 45 foot
- **Quantity:** 2,200,000 CYs
- **Frequency:** 2-3 years
- **Material Type:** Silt
- **Placement Plan:** Mid-Bay
- **Avg. Distance to PA:** 2 miles
- **Equipment Type:** Pipeline/Cutterhead
- **Small Business Set Aside:** NA
- **Advertise:** 02 Oct 2011



Houston Ship Channel

Greens Bayou to Sims Bayou



- **Type of Work:** Maintenance Dredging
- **Depth:** 40 foot
- **Quantity:** 1,400,000 CYs
- **Frequency:** 3-4 years
- **Material Type:** Silt
- **Placement Plan:** Rosa Allen
- **Avg. Distance to PA:** 4 miles
- **Equipment Type:** Pipeline/Cutterhead
- **Small Business Set Aside:** NA
- **Advertise:** 09 Nov 2011



Bayport Ship Channel

Bayport Channel, Turning Basin and Flare

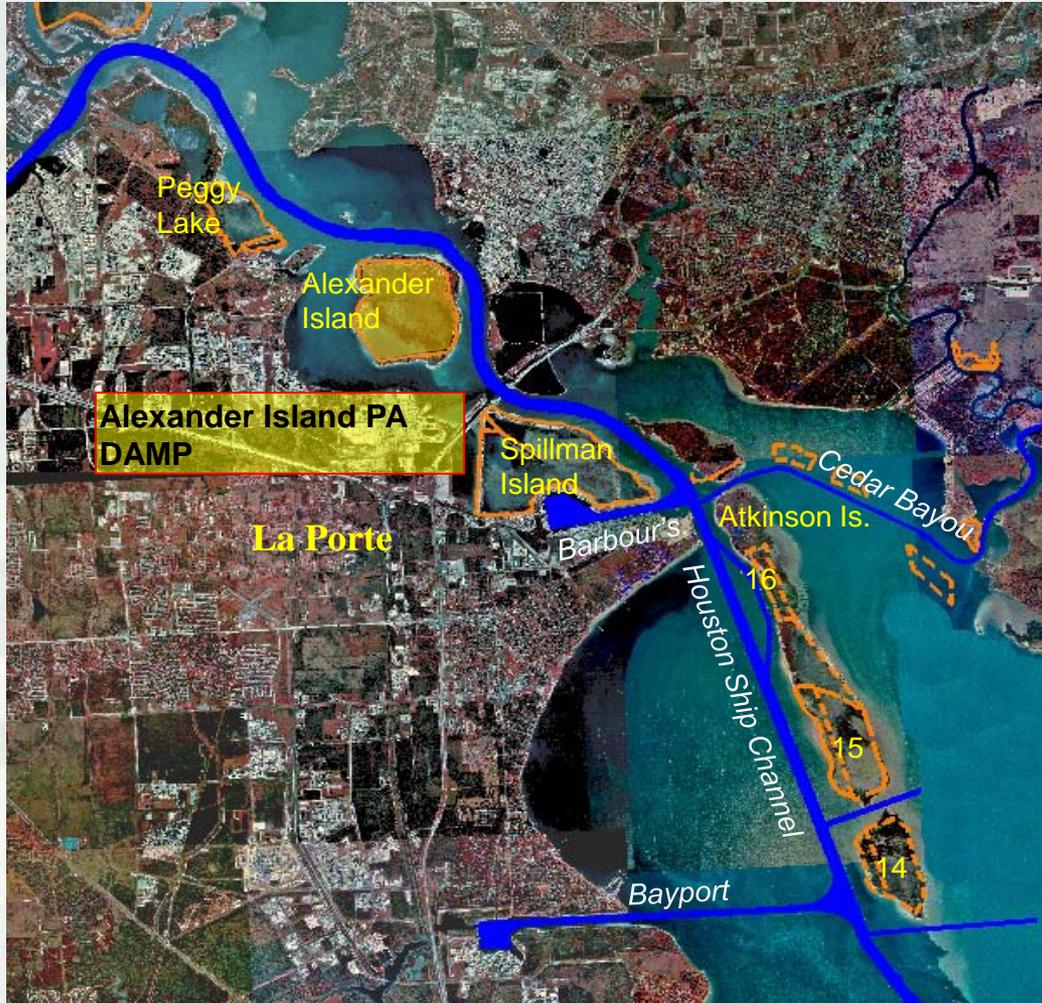


- **Type of Work:** Maintenance
- **Depth:** 40 foot
- **Quantity:** 1,000,000 CYs
- **Frequency:** 2-3 years
- **Material Type:** Silt
- **Placement Plan:** Mid-Bay and PA14
- **Avg. Distance to PA:** 4 miles
- **Equipment Type:** Pipeline/Cutterhead
- **Small Business Set Aside:** NA
- **Advertise:** 13 Jun 2012



Houston Ship Channel

Disposal Area Management Practices Alexander Island

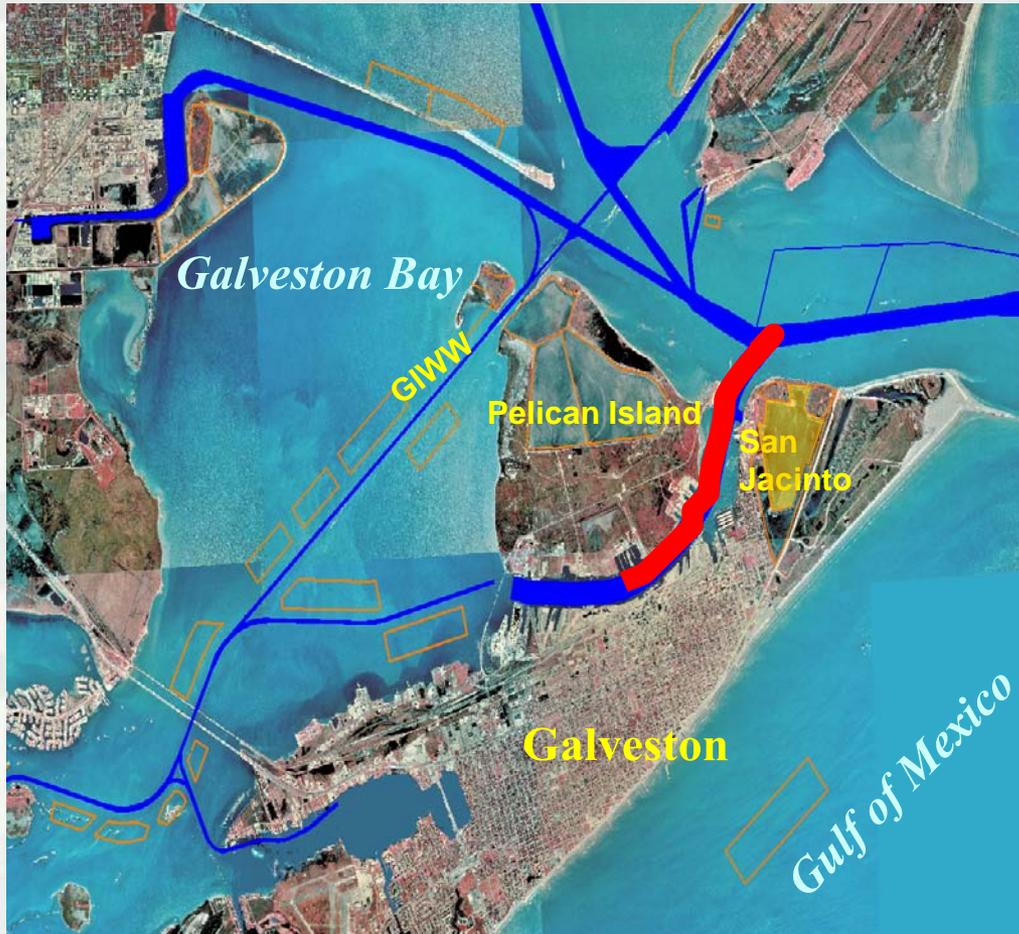


- **Type of Work:** DAMP
- **Depth:** NA
- **Quantity:** NA
- **Frequency:** 2-3 years
- **Material Type:** Silt/Clay
- **Avg. Distance to PA:** NA
- **Equipment Type:** Marsh Buggy
- **Small Business Set Aside:** Applicable
- **Advertise:** 15 Jun 2012



Galveston Harbor and Channel

Galveston Inner Harbor Channel



- **Type of Work:** Maintenance Dredging
- **Depth:** 45 foot and 40 foot
- **Quantity:** 1,100,000 CYs
- **Frequency:** 2 years
- **Material Type:** Silt/Sand
- **Placement Plan:** San Jacinto PA
- **Avg. Distance to PA:** 0.75 miles
- **Equipment Type:** Pipeline/Cutterhead
- **Small Business Set Aside:** NA
- **Advertise:** 09 Feb 2012

Galveston District – 2011 Dredging Conference

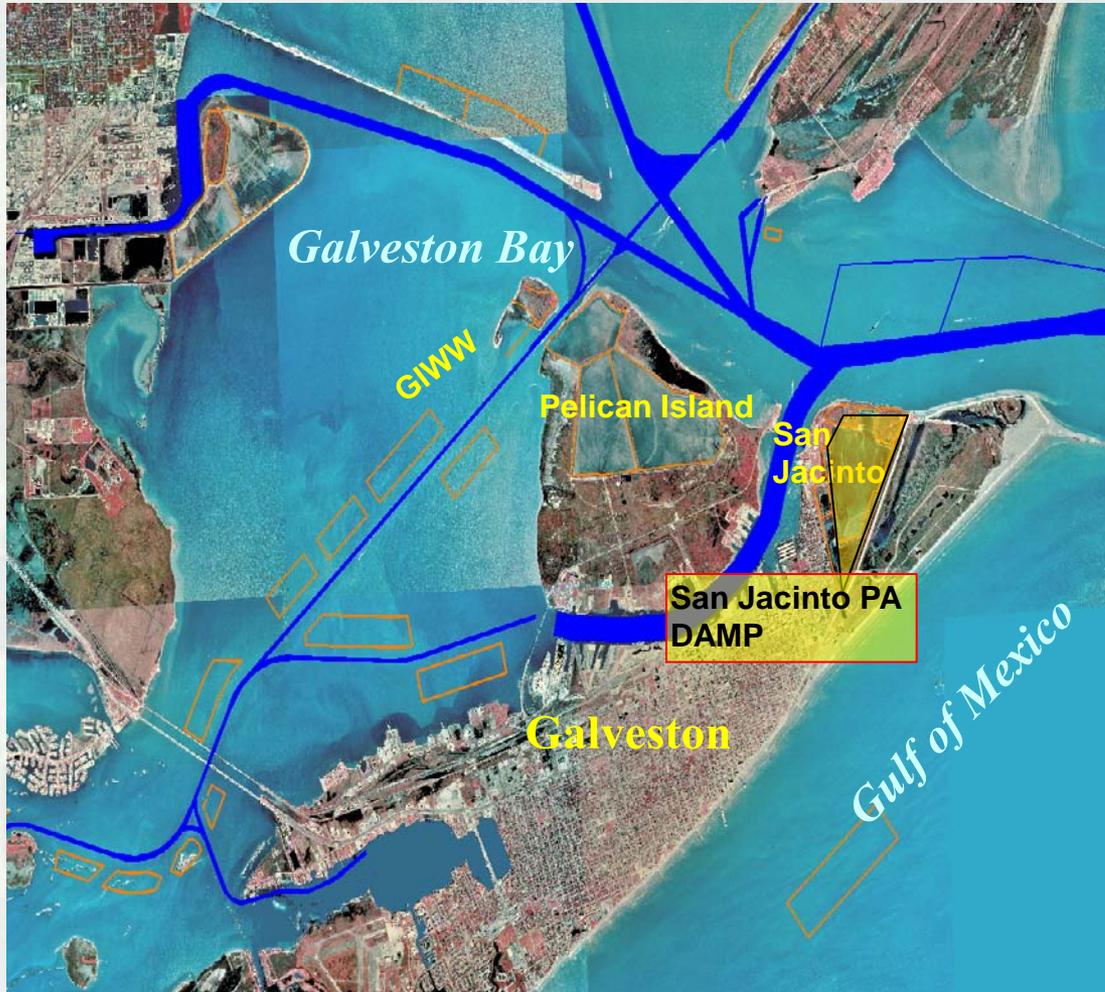
Custodians of the Coast



BUILDING STRONG®

Galveston Ship Channel

Disposal Area Management Practices San Jacinto PA



- **Type of Work:** DAMP
- **Depth:** NA
- **Quantity:** NA
- **Frequency:** 4 years
- **Material Type:** Silt/Clay
- **Equipment Type:** Marsh Buggy
- **Small Business Set Aside:** Applicable
- **Advertise:** 10 Jul 2012



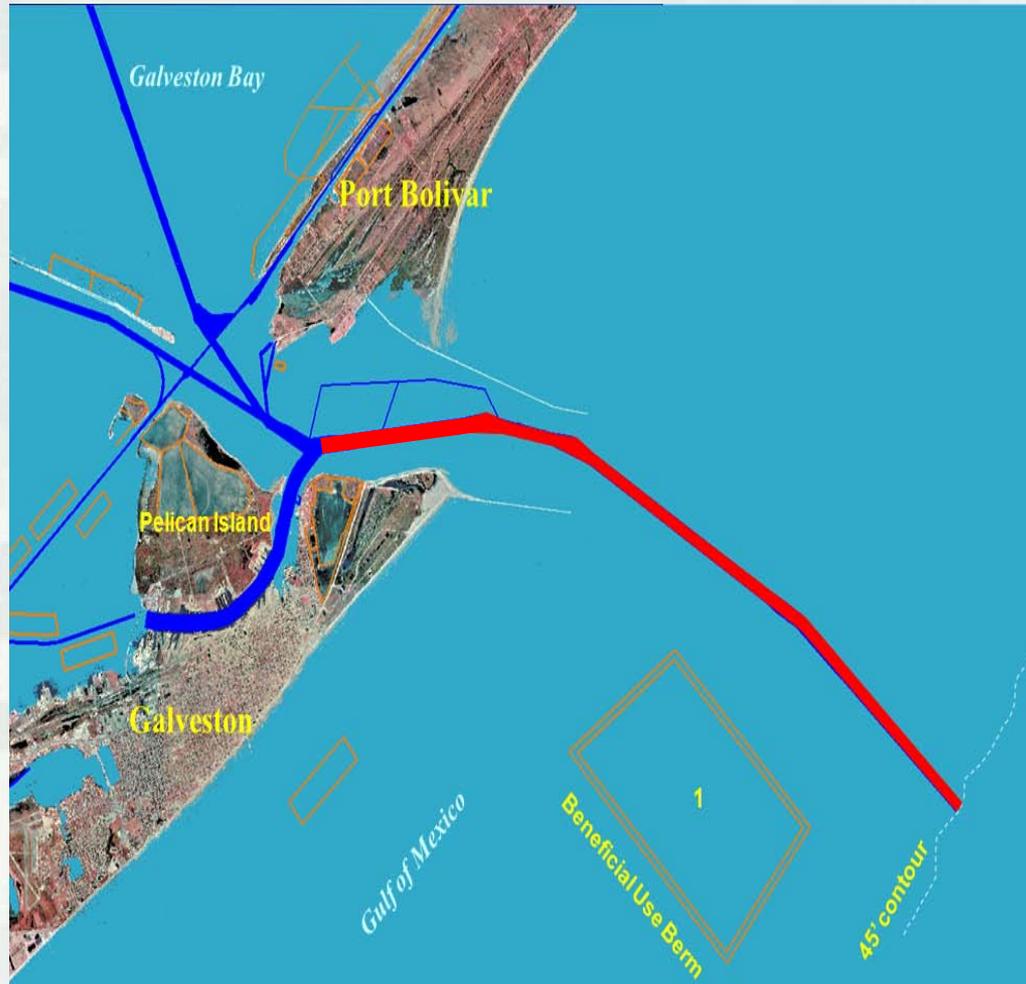
FY 2013

Planned Requirements



Galveston Ship Channel

Galveston Entrance, Outer and Inner Bar

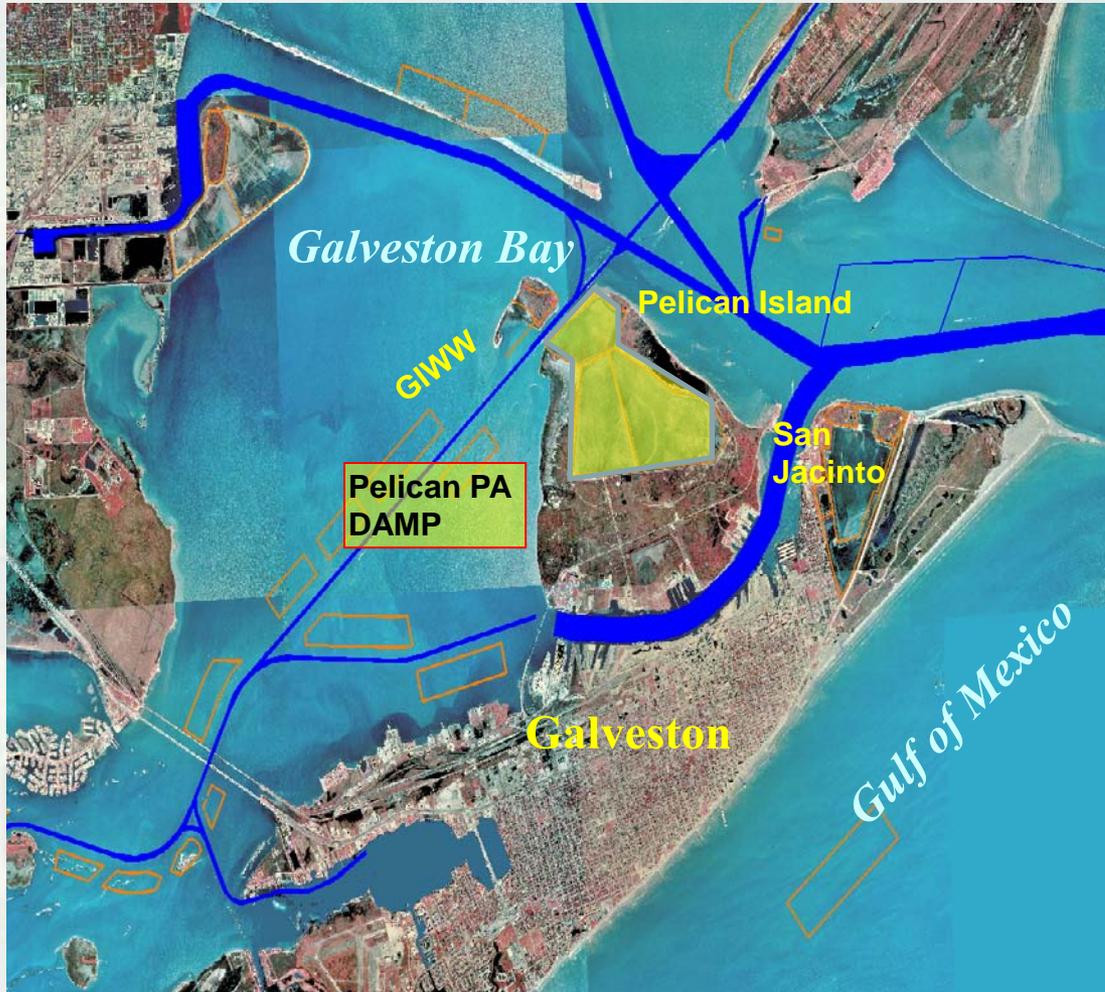


- **Type of Work:** Maintenance Dredging
- **Depth:** 47 foot
- **Quantity:** 1,700,000 CYs
- **Frequency:** 2 years
- **Material Type:** Silts/Sands
- **Placement Plan:** Offshore/BU
- **Avg. Distance to PA:** 4 miles
- **Equipment Type:** Hopper Dredge
- **Small Business Set Aside:** NA
- **Advertise:** Jun 2013



Galveston Ship Channel

Disposal Area Management Practices Pelican PA

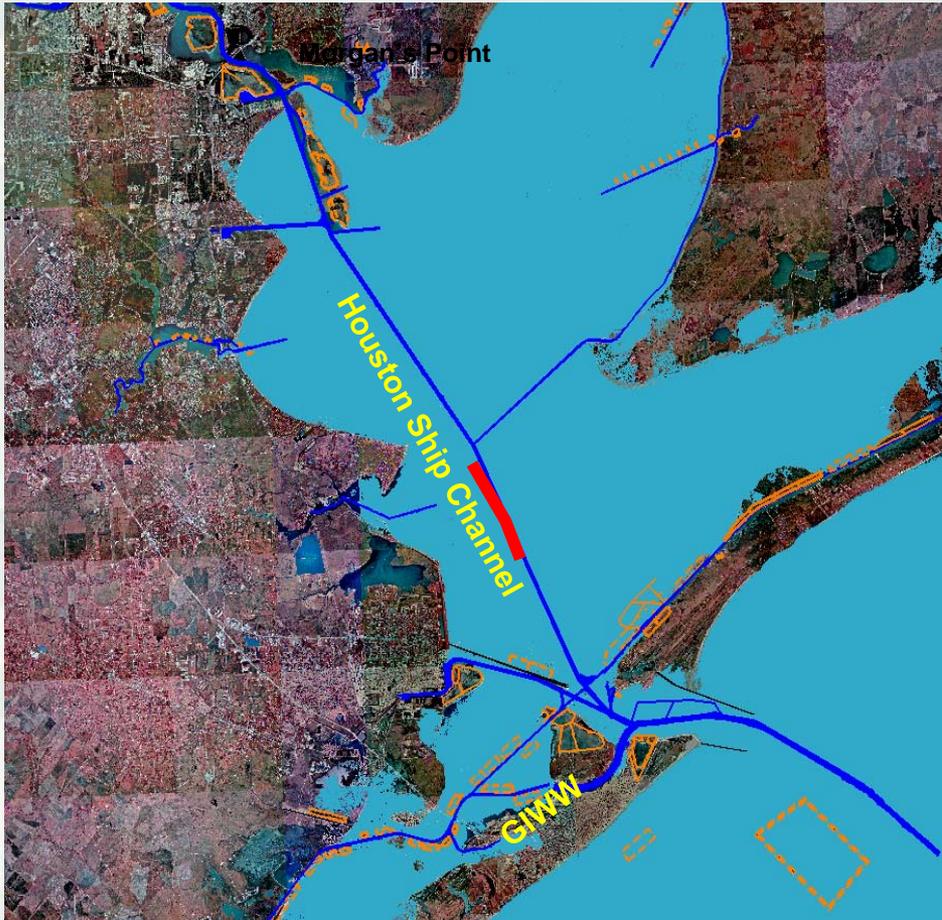


- **Type of Work:** DAMP
- **Depth:** NA
- **Quantity:** NA
- **Frequency:** 4 years
- **Material Type:** Silt/Clay
- **Equipment Type:** Marsh Buggy
- **Small Business Set Aside:** Applicable
- **Advertise:** Aug 2013



Houston Ship Channel

South of Redfish High Shoal Reach



- **Type of Work:** Maintenance Dredging
- **Depth:** 45 foot
- **Quantity:** 400,000 CYs
- **Frequency:** 1-2 years
- **Material Type:** Sands
- **Placement Plan:** Offshore/Midbay
- **Avg. Distance to PA:** Varies
- **Equipment Type:** Hopper/Cutterhead
- **Small Business Set Aside:** NA
- **Advertise:** Sep 2012



Bayport Ship Channel

Bayport Flare

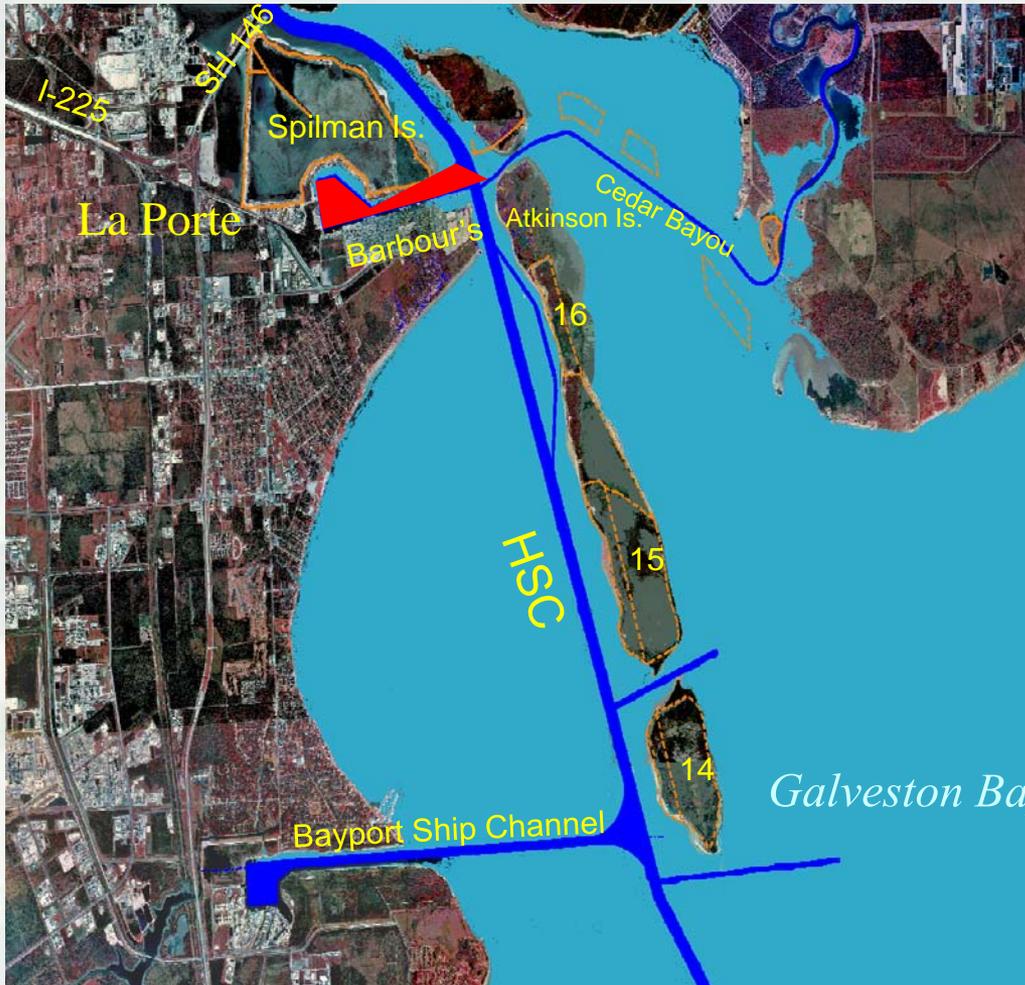


- **Type of Work:** Maintenance
- **Depth:** 40 foot
- **Quantity:** 600,000 – 900,000 CYs
- **Material Type:** Silt
- **Frequency:** 1-1.5 years
- **Placement Plan:** PA14/BU
- **Avg. Distance to PA:** 1 mile
- **Equipment Type:** Pipeline/Cutterhead
- **Small Business Set Aside:** NA
- **Award:** Mar 2013



Barbours Terminal Channel

Main Channel and Turning Basin

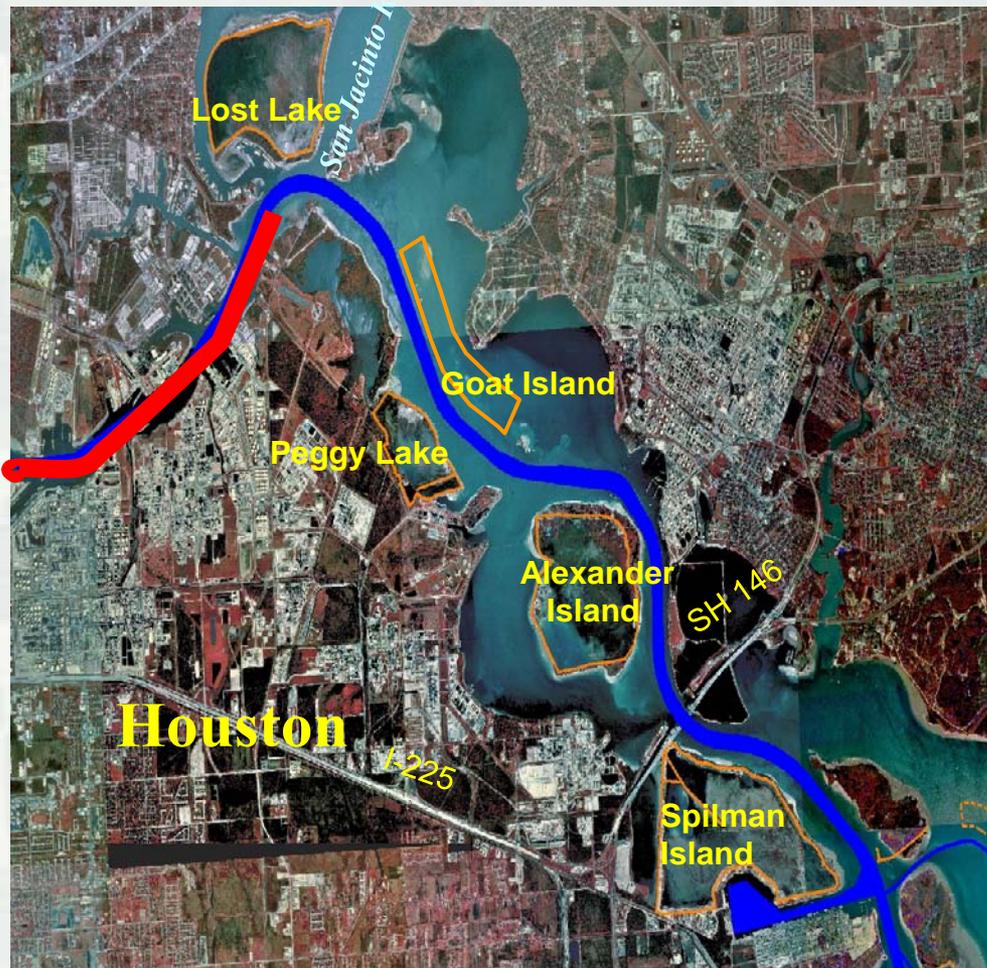


- **Type of Work:** Maintenance
- **Depth:** 40 foot
- **Quantity:** 680,000 CYs
- **Material Type:** Silt
- **Frequency:** 2-3 years
- **Placement Plan:** Spilman
- **Avg. Distance to PA:** 1 mile
- **Equipment Type:** Pipeline/Cutterhead
- **Small Business Set Aside:** NA
- **Award:** Feb 2013



Houston Ship Channel

Carpenters Bayou to Greens Bayou



- **Type of Work:** Maintenance Dredging
- **Depth:** 45 foot
- **Quantity:** 1,600,000 CYs
- **Frequency:** 3 years
- **Material Type:** Silt
- **Placement Plan:** Lost Lake & Peggy
- **Avg. Distance to PA:** 2.5 miles
- **Equipment Type:** Pipeline/Cutterhead
- **Small Business Set Aside:** NA
- **Advertise:** Jan 2013



Houston Ship Channel

Rehabilitate Levees and DAMP



- **Type of Work:** Incremental Levee Raising and Disposal Area Management Practices
- **Depth:** NA
- **Quantity:** NA
- **Frequency:**
- **Material Type:** Silt/Clay
- **Equipment Type:** Excavators
- **Small Business Set Aside:** MATOC
- **Advertise:** Jan/Feb 2013



Beneficial Use Sites

Galveston District – 2011 Dredging Conference

Custodians of the Coast



BUILDING STRONG®

Houston Ship Channel Upper Galveston Bay



Marsh Creation

Aerial of 14/15 and
Atkinson Island with
containment cells



Marsh growth



Galveston Harbor and Ship Channel Beach Renourishment



Pipeline or Hopper
Pump out onto
Galveston Island



Built up Beach in
front of Galveston
Seawall



Questions Comments?



For more information, contact:

Karl Brown
Operations Manager

Navigation Branch, Operations Division
U.S. Army Corps of Engineers, Galveston
409-766-3069
karl.b.brown@usace.army.mil

