

Beneficial Use of Dredged Material in the Galveston District

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Galveston District

Galveston District

Custodians of the Coast



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Galveston District Beneficial Use Project Locations



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Galveston District Beneficial Use Statistics

	FY 10	FY 12	FY 13
Total Amount Dredged	24,500,000	20,000,000	20,500,000
Total Amount Used for BU	4,000,000	3,200,000	4,300,000
Percent Beneficial Use	~16%	~16%	~20%



Notable Galveston District Beneficial Use Projects



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Houston Ship Channel—Upper Galveston Bay



Aerial of Existing Atkinson Island marsh cells and new cells currently under construction (M7/8/9,&10)



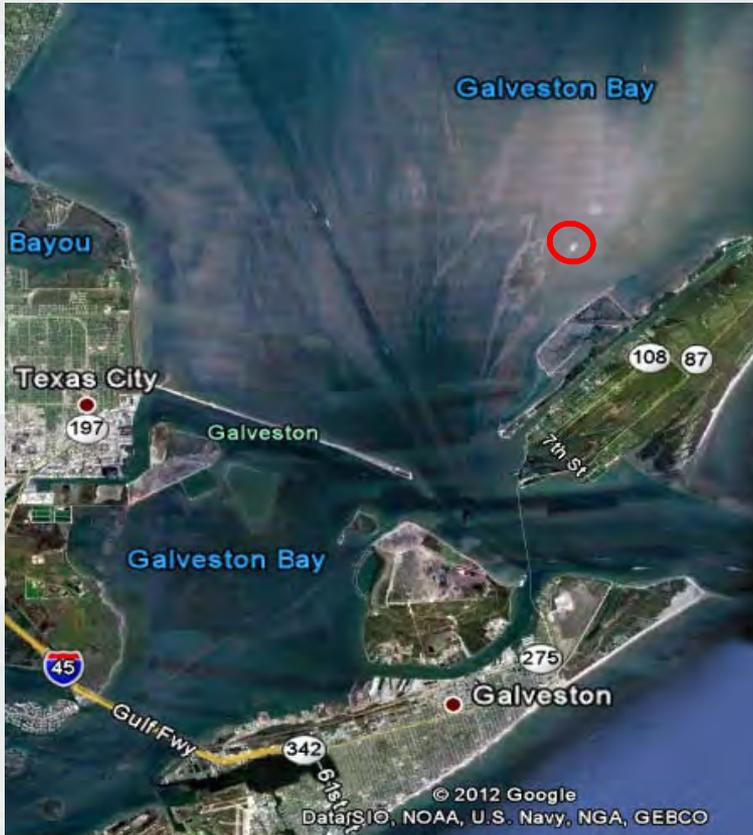
Houston Ship Channel—Upper Galveston Bay

Atkinson Island marsh cell under construction



Houston Ship Channel—Lower Galveston Bay

Evia Island--Bird Island Creation

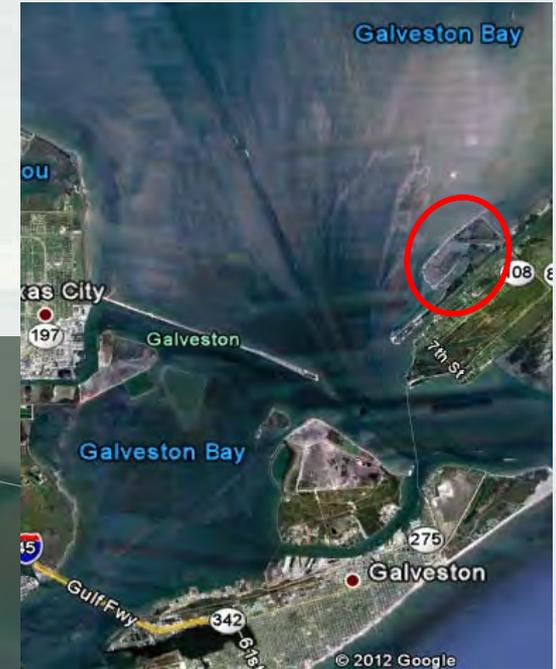
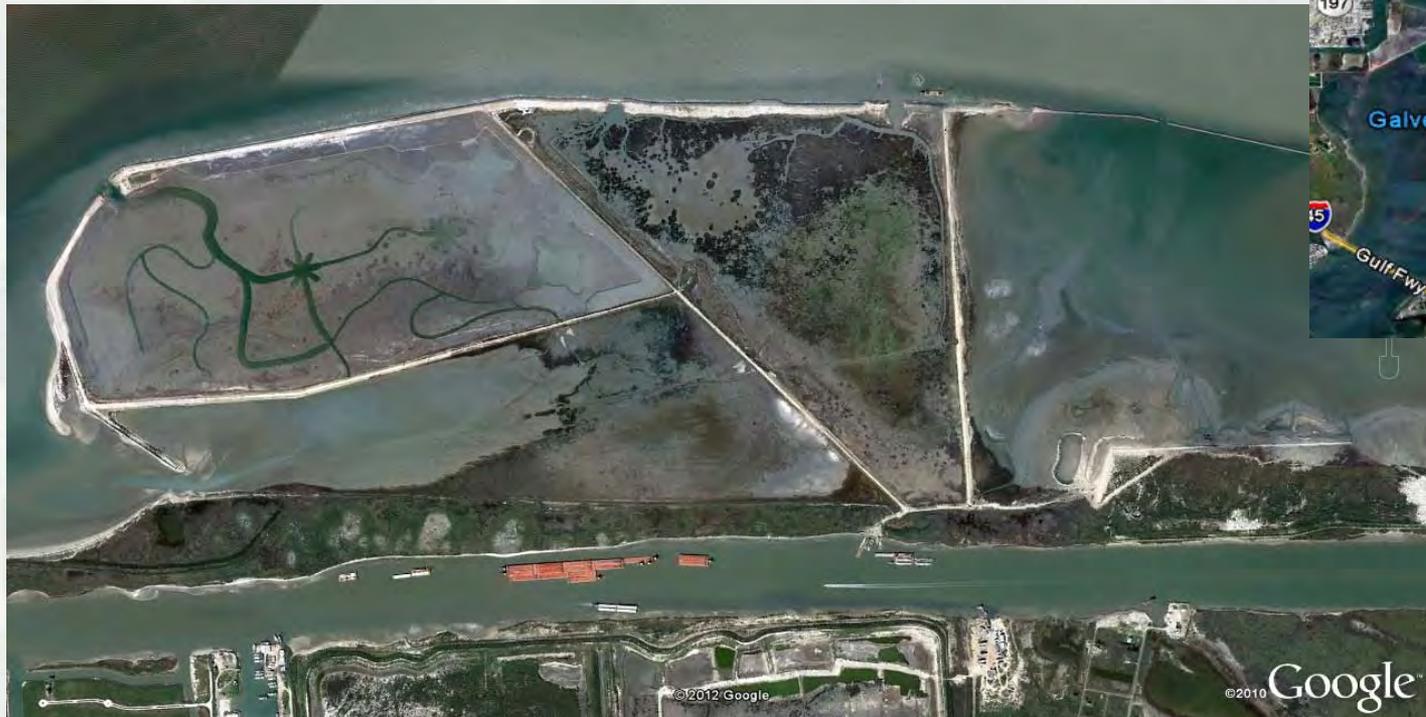


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Houston Ship Channel—Lower Galveston Bay

Bolivar Marsh—
Channelization and
Marsh Creation (ongoing)



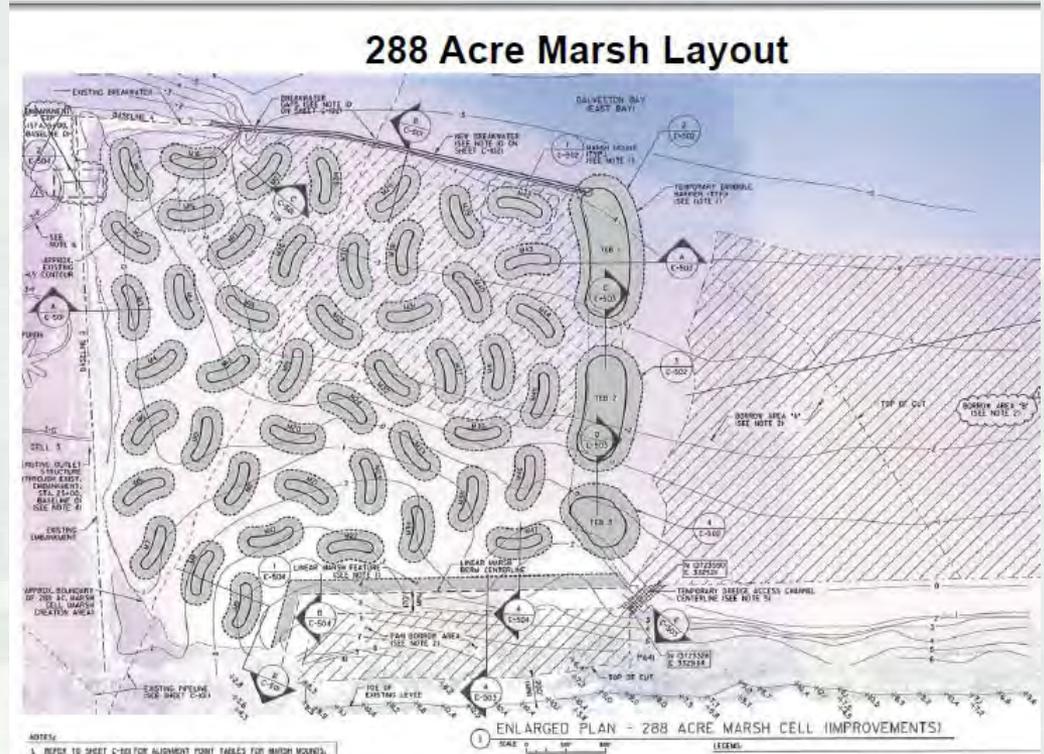
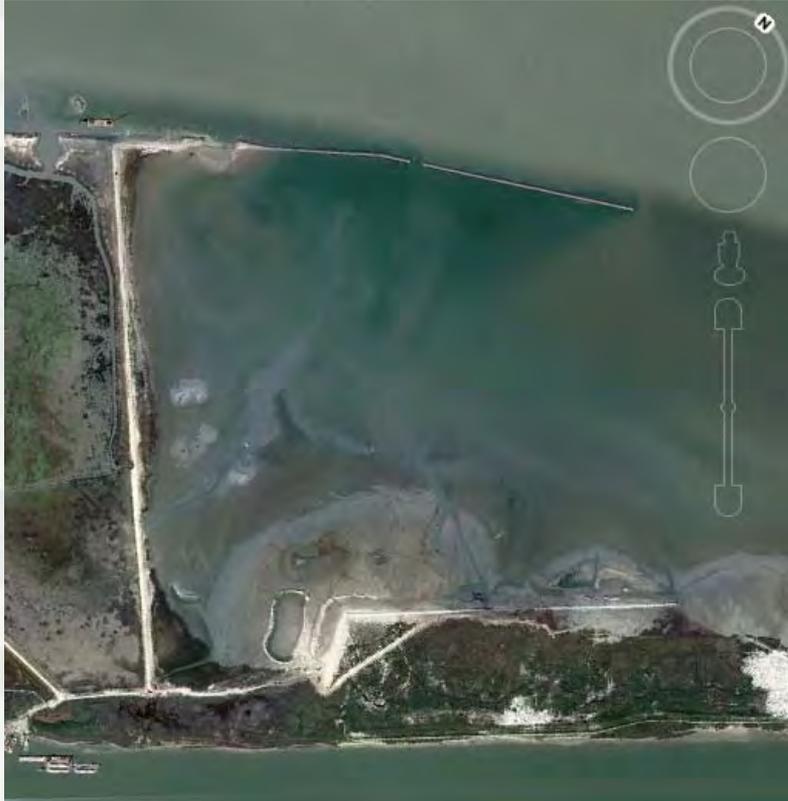
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Houston Ship Channel—Lower Galveston Bay

Bolivar Marsh—Marsh Creation (ongoing)



Neches River Channel (Sabine-Neches Waterway) Bessie Heights Marsh



Marsh Creation

Channels form shortly after pumping of dredged material into open water area



Established 28 acres of marsh one year later

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Texas City Channel



727.520.8181
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Texas City Channel

Image # 110524 6037
Date 05.24.11

Construction of containment levees for Beneficial Use Site

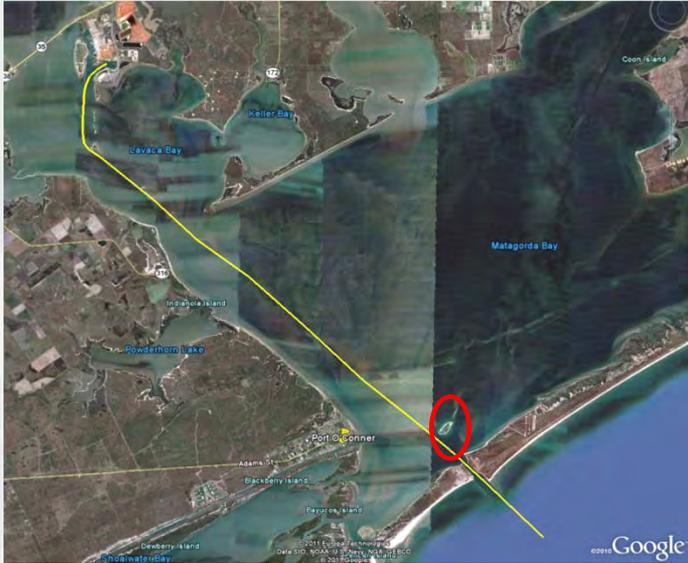
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Matagorda Ship Channel--Sundown Island

Nourishment along eroded areas



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Chocolate Bayou



Construction of
Beneficial Use Sites



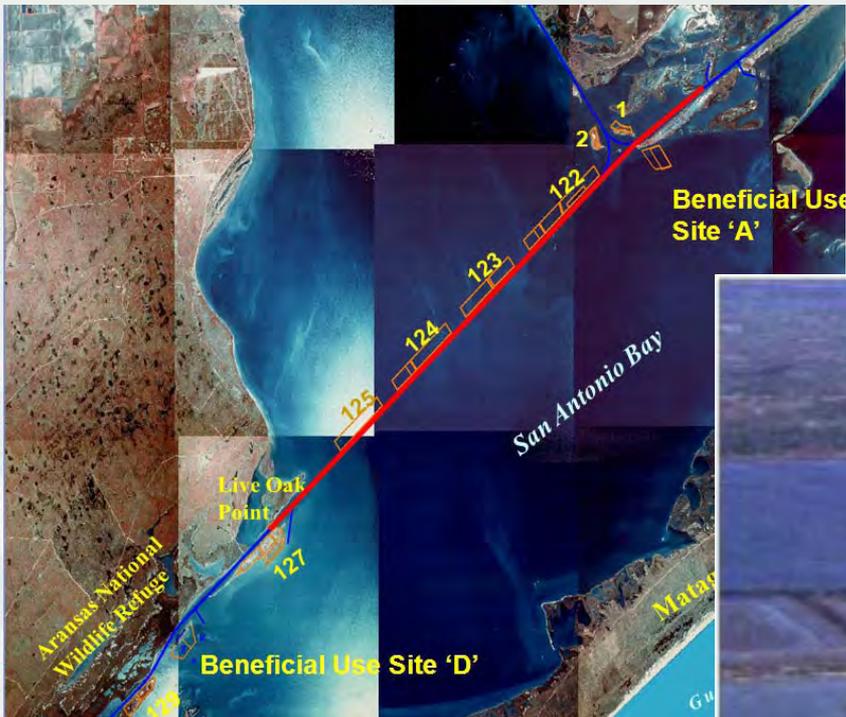
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GIWW-Aransas National Wildlife Reserve

Beneficial Use Projects



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



Gulf Intracoastal Waterway Beneficial Use Projects

Beach Nourishment

Little Beach



Rollover



Channel to Port Mansfield Beach Nourishment



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Brazos Island Harbor Beach Nourishment



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Mouth of the Colorado River

Beach Nourishment



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How is SWG trying to increase BU?

- Actively identify projects
- Re-evaluate our DMMPs
- Work with the RSM program
- Bring together Corps and Resource Agencies



2011 Beneficial Use of Dredged Material Workshop—30 August 2011

A workshop to discuss upcoming USACE projects and beneficial use opportunities along the Texas coast



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2011 Beneficial Use of Dredged Material Workshop

- Purposes:
 - ▶ Bring together State and Local Resource Agencies to inform them of upcoming O&M projects
 - ▶ Provide a forum for brainstorming potential BU opportunities
 - ▶ Answer questions about procedures necessary to move forward with BU projects



2011 Beneficial Use of Dredged Material Workshop

■ Participants

- ▶ About 60 participants from Agencies and Corps

Atkins Global

Chambers Liberty County Navigation District

Chambers County Commissioner

Ducks Unlimited

Galveston Bay Foundation

Matagorda County Navigation District #1

National Oceanic and Atmospheric Administration (NOAA)

Shed Conservation

Shelmark Engineering

Texas Coastal Wildlife Refuge

Texas Parks and Wildlife Department

Texas General Land Office (GLO)

Texas Commission on Environmental Quality (TCEQ)

USACE Galveston

USACE Engineer Research and Development Center (ERDC)

USDA

U.S. Fish and Wildlife Service



2011 Beneficial Use of Dredged Material Workshop

- Presentation Topics
 - ▶ Regional Sediment Management
 - ▶ Engineering With Nature
 - ▶ NEPA Compliance
 - ▶ Planning for Beneficial Use
 - ▶ FY12-13 Dredging Projects and Notable BU projects
 - ▶ Ongoing Dredged Material Management Plans



2011 Beneficial Use of Dredged Material Workshop

- Discussion Topics
 - ▶ Brainstorming potential projects
 - ▶ Identification of Needs



2011 Beneficial Use of Dredged Material Workshop

- Conclusion
 - ▶ Desire for more frequent BUDM meetings
 - ▶ Implement better communication between Corps and Resource Agencies
 - ▶ Begin identifying potential BU projects with teams
- 2012 Workshop: Tentatively Nov 6, 2012



Questions?



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