

# The Houston-Galveston Navigation Channel Project: Then and Now

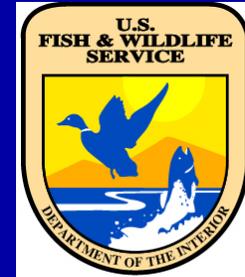
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National Dredging Team Conference

Managing Sediments in the Watershed: Bringing Dredged  
Material and Watershed Managers Together

August 29-31, 2006 Portland, Oregon

# The BUG









Transplanting at High Tide

In 2005 (a little over 10 years after creation) the Demonstration marsh supported 64-77% of the mean nekton marshes. population estimates from the 4 nearby natural reference





Maintenance Material placed in a subsiding marsh



85 Acres of restored wetland two years after planting



All population modeling for shrimp and crabs in the Demonstration Marsh indicated that populations were substantially higher (12 to 154 times) than the populations expected in the area before the Demonstration Marsh was constructed."









03/04/2005

## Spartina Alterniflora Seeds

- Harvested
- Treated
- Scarification

A photograph showing a white and black hovercraft on a cracked mudflat. Two men are seated in the hovercraft; one is wearing a white shirt and a dark vest, and the other is wearing a red life vest and a dark shirt. The hovercraft is positioned on a large, flat area of cracked mud that extends towards a body of water in the background. In the foreground, there is a grassy bank with some dry brush and a white cooler. A person in a blue shirt is partially visible on the left edge of the frame. The sky is clear and blue.

Hovercraft used for  
seeding at Atkinson  
Island

03/04/2005



03/04/2005

# Atkinson Island—New Work Cell





Planting Large areas: This site is three times as large as demonstration site.

# Bolivar Marsh



# Mid Bay

(600 acres total)

20 acre (each) upland habitats

60 acres of marsh

200 acres of marsh

150 acre (each) cells



# Mid Bay—Birds at Upland Habitat



Evia Island

6 acres

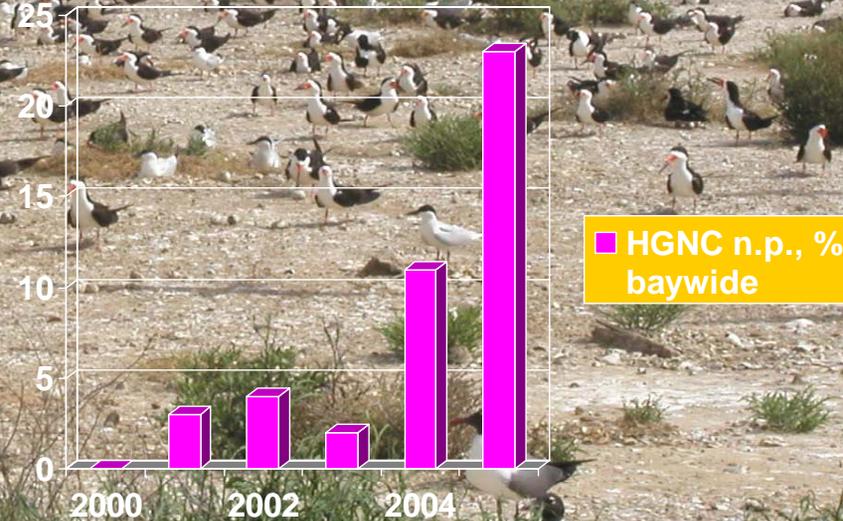
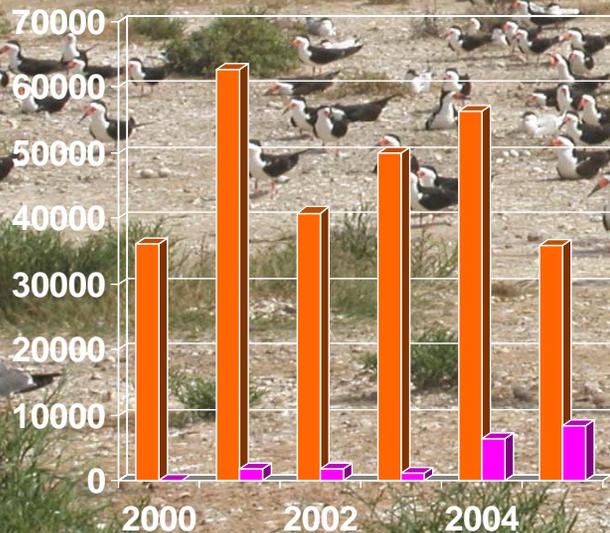


# Evia Island



# M3 Goals, CWB #'s Are Doing Great !

If you look at the data the "right" way!



# Where We Stand --- 2006

Conditions and response's)  
require yearly adjustments

Waders (tree and brush)  
need our help (probably)

“Keep building” for the ground  
nesters

CWB #'s at HGNC features depend also on  
what's happening at other colonies

For future islands, **START WINDBREAK  
EARLY**, then proceed to next tasks





# Goat Island

125 acres

Baytown Nature Center/Old  
Brownwood Subdivision

75 acres





Contract DACW 64-02-C-0043  
Houston-Galveston Mid-Bayou  
November 2004 Progress

North Goat Island  
All grading of area complete  
Luhr has rock slopes remaining



Marsh info- [www.betterbay.org](http://www.betterbay.org)

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