

BIODEGRADABLE CONTAINMENT STRUCTURE DEMO GAILLARD ISLAND

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RSM Bi-monthly Conference Call
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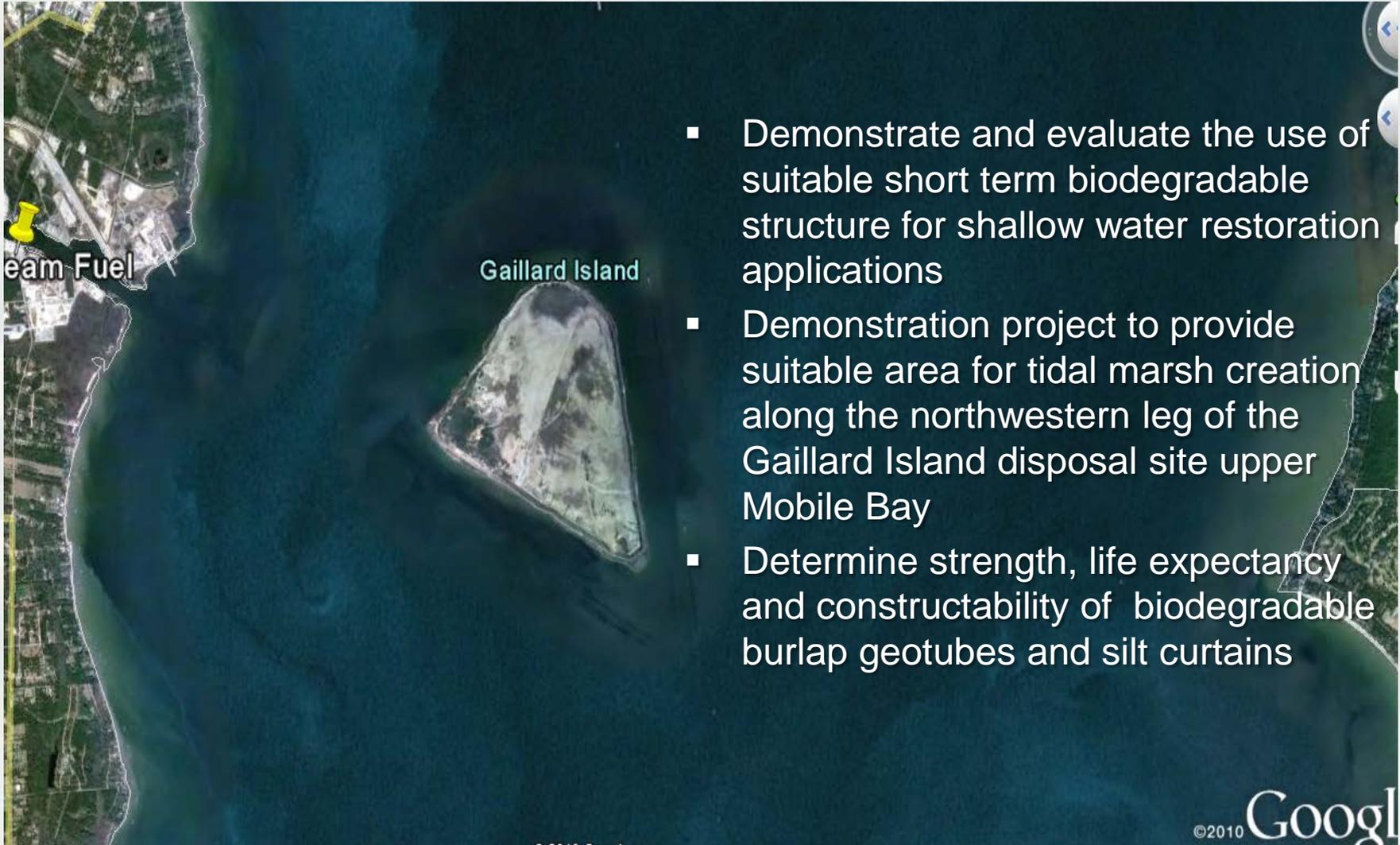
US Army Corps of Engineers
BUILDING STRONG[®]



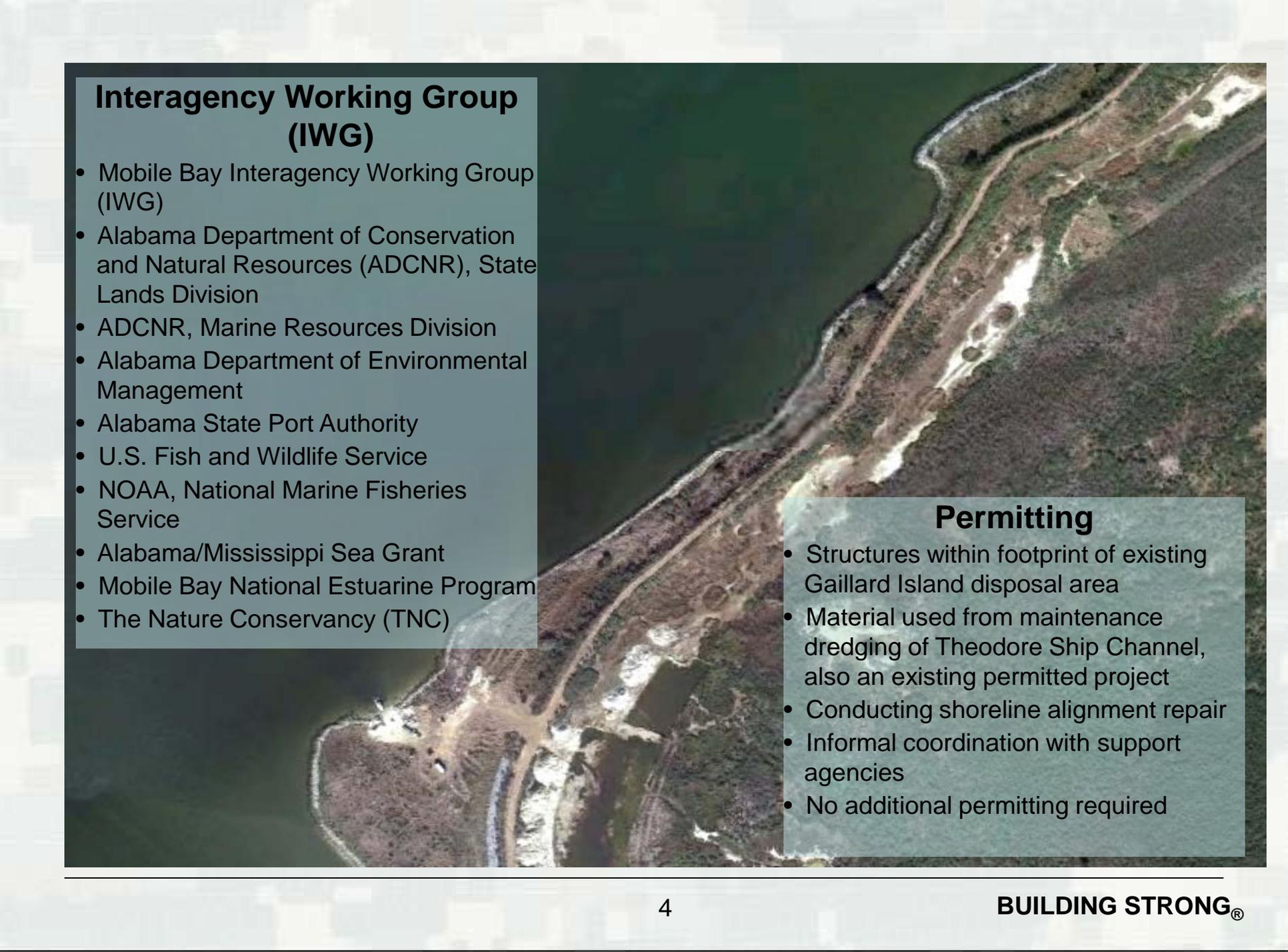
Mobile District

Gaillard Island Demonstration

Purpose



- Demonstrate and evaluate the use of suitable short term biodegradable structure for shallow water restoration applications
- Demonstration project to provide suitable area for tidal marsh creation along the northwestern leg of the Gaillard Island disposal site upper Mobile Bay
- Determine strength, life expectancy and constructability of biodegradable burlap geotubes and silt curtains

An aerial photograph showing a coastal area. On the left is a body of water. A road or path runs along the shoreline. To the right of the road is a large, irregularly shaped area that appears to be a disposal site or a dredged area, with some vegetation and what looks like a small structure or pile of material. The background shows more land with some trees and a road.

Interagency Working Group (IWG)

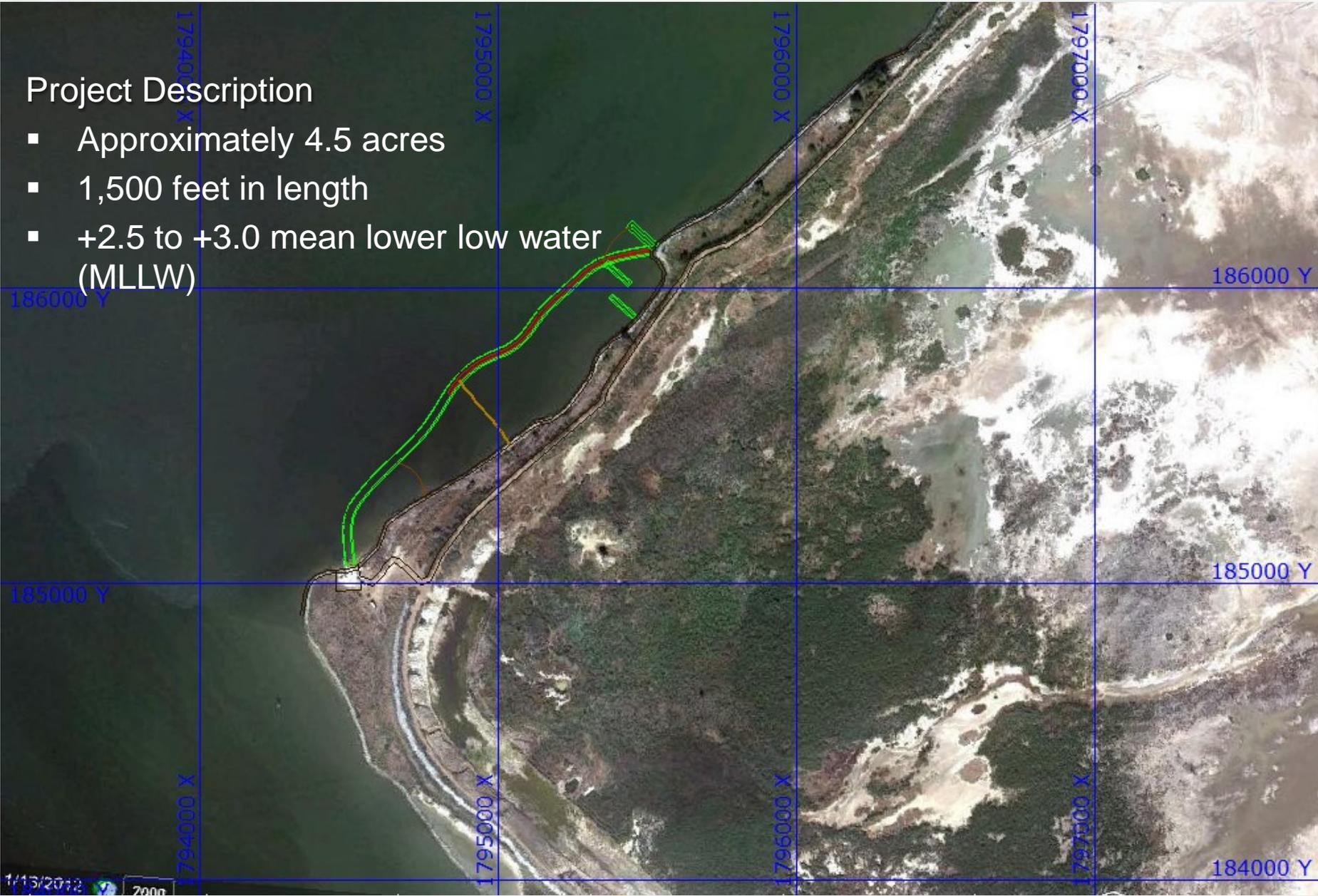
- Mobile Bay Interagency Working Group (IWG)
- Alabama Department of Conservation and Natural Resources (ADCNR), State Lands Division
- ADCNR, Marine Resources Division
- Alabama Department of Environmental Management
- Alabama State Port Authority
- U.S. Fish and Wildlife Service
- NOAA, National Marine Fisheries Service
- Alabama/Mississippi Sea Grant
- Mobile Bay National Estuarine Program
- The Nature Conservancy (TNC)

Permitting

- Structures within footprint of existing Gaillard Island disposal area
- Material used from maintenance dredging of Theodore Ship Channel, also an existing permitted project
- Conducting shoreline alignment repair
- Informal coordination with support agencies
- No additional permitting required

Project Description

- Approximately 4.5 acres
- 1,500 feet in length
- +2.5 to +3.0 mean lower low water (MLLW)



1/15/2012 200m



Tube constructed of 4 layers of 10 oz. just burlap



Waterproofing and UV Protection:
Olympic waterproofing and sealer
Thompsons water sealer





Anti-Scour Apron (ASA) Installation



700 LF of ASA covered berm completed





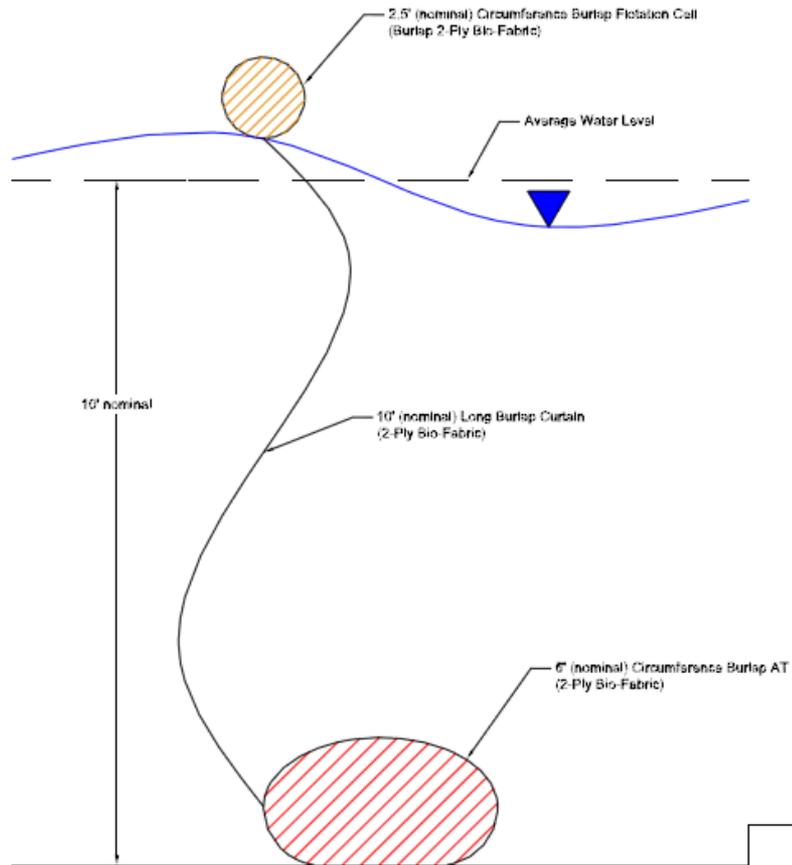












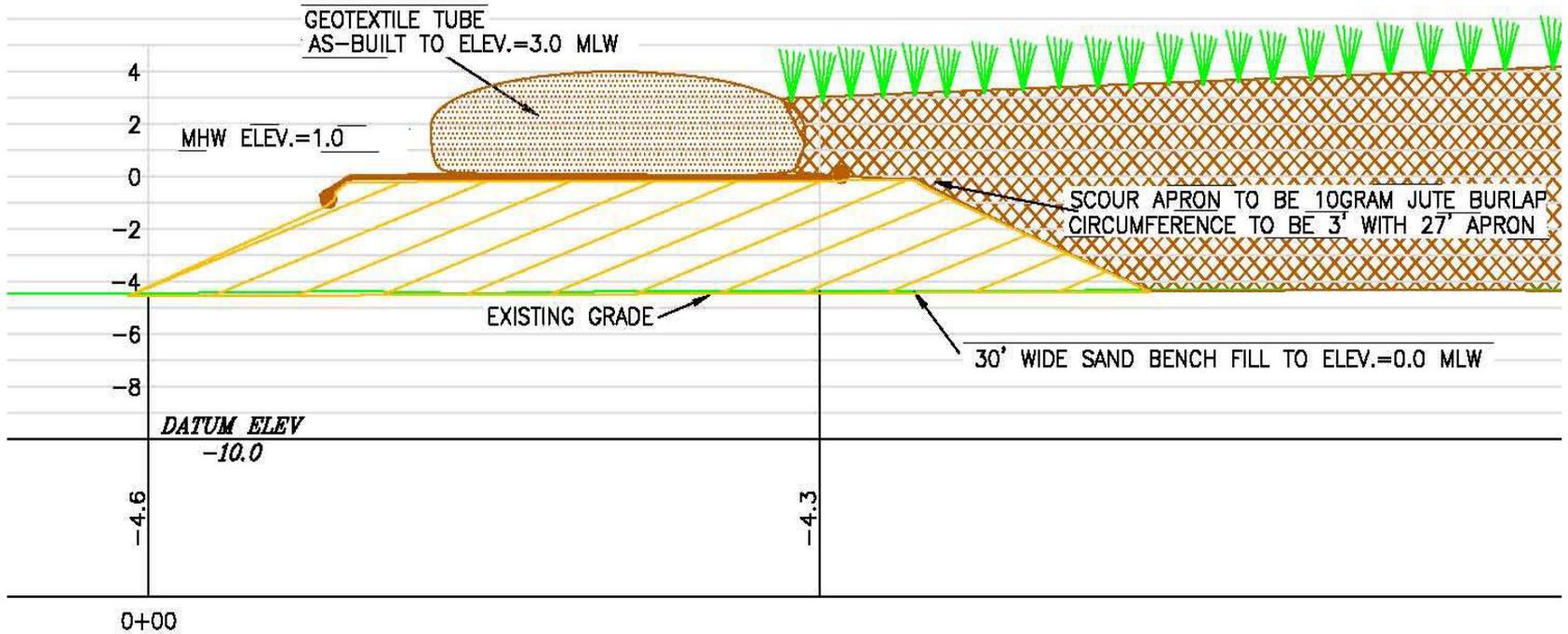
Giallard Island	
Biodegradable Boom	
Drawing Scale: NTS	Owner: Mobile Dist. USACE
Date: 12/12/2012	Drawing By: ARP









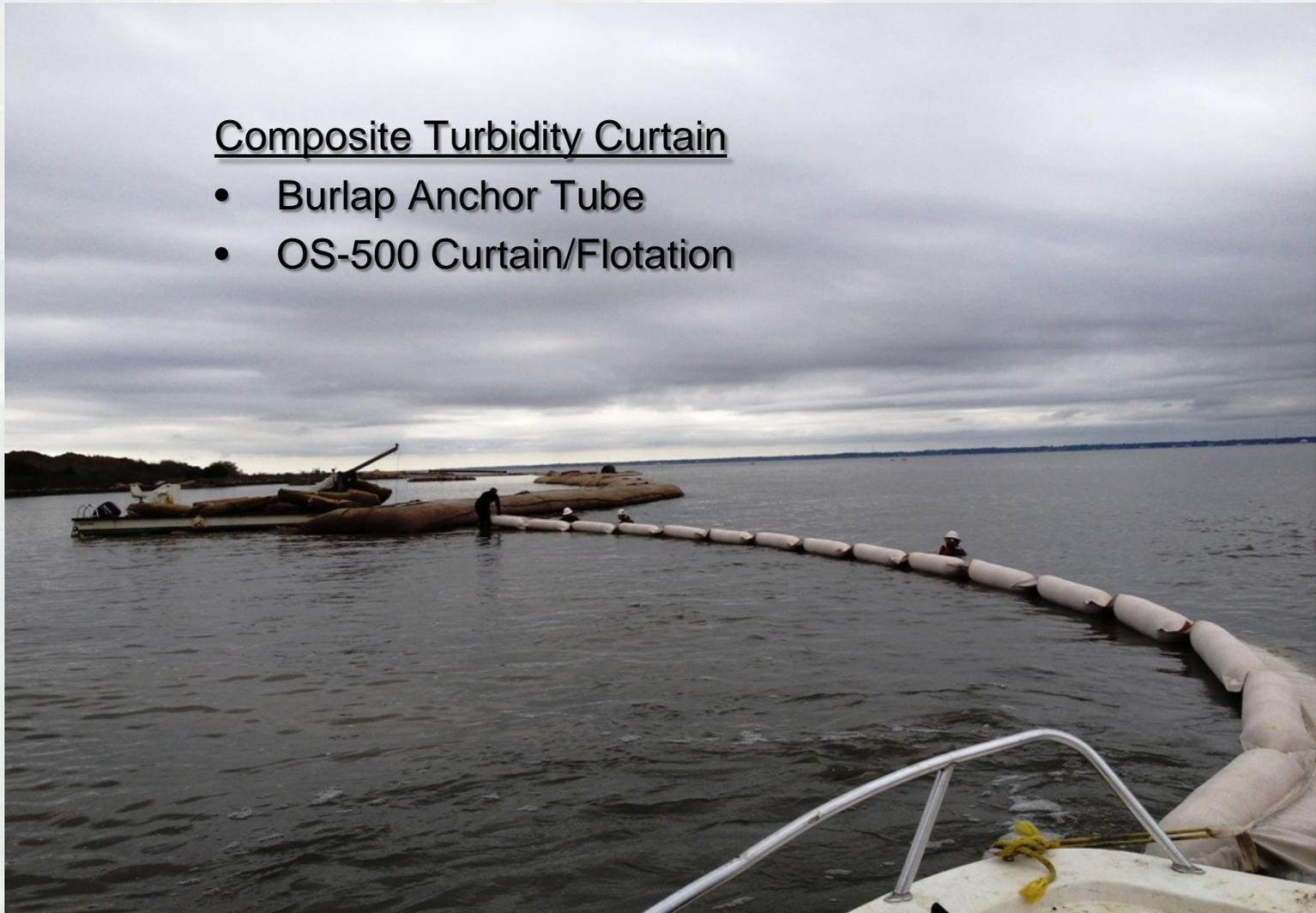


Hay Bale Weir Installation



Composite Turbidity Curtain

- Burlap Anchor Tube
- OS-500 Curtain/Flotation





Biodegradable Turbidity Curtain

- Burlap Anchor Tube
- Burlap Curtain/Flotation

