

Beneficial Uses of Dredged Material

**Harbors & Navigation
Committee Meeting**

Feb 12-13 2014

**Alabama State Port
Authority**



**US Army Corps of Engineers
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Beneficial Uses of Dredged Material

Definition: Utilizing dredged sediments as resource materials in productive ways which provide environmental, economic, or social benefit.

- **Habitat Development**
- **Shore Restoration/Protection**
- **Reclamation**
- **Construction/Industrial**
- **Agriculture/Horticulture**



FEDERAL STANDARD

The Federal Standard is defined in USACE regulations as the least costly dredge material disposal or placement alternative identified by USACE that is consistent with sound engineering practices and meets all federal environmental requirements, including CWA and MPRSA.





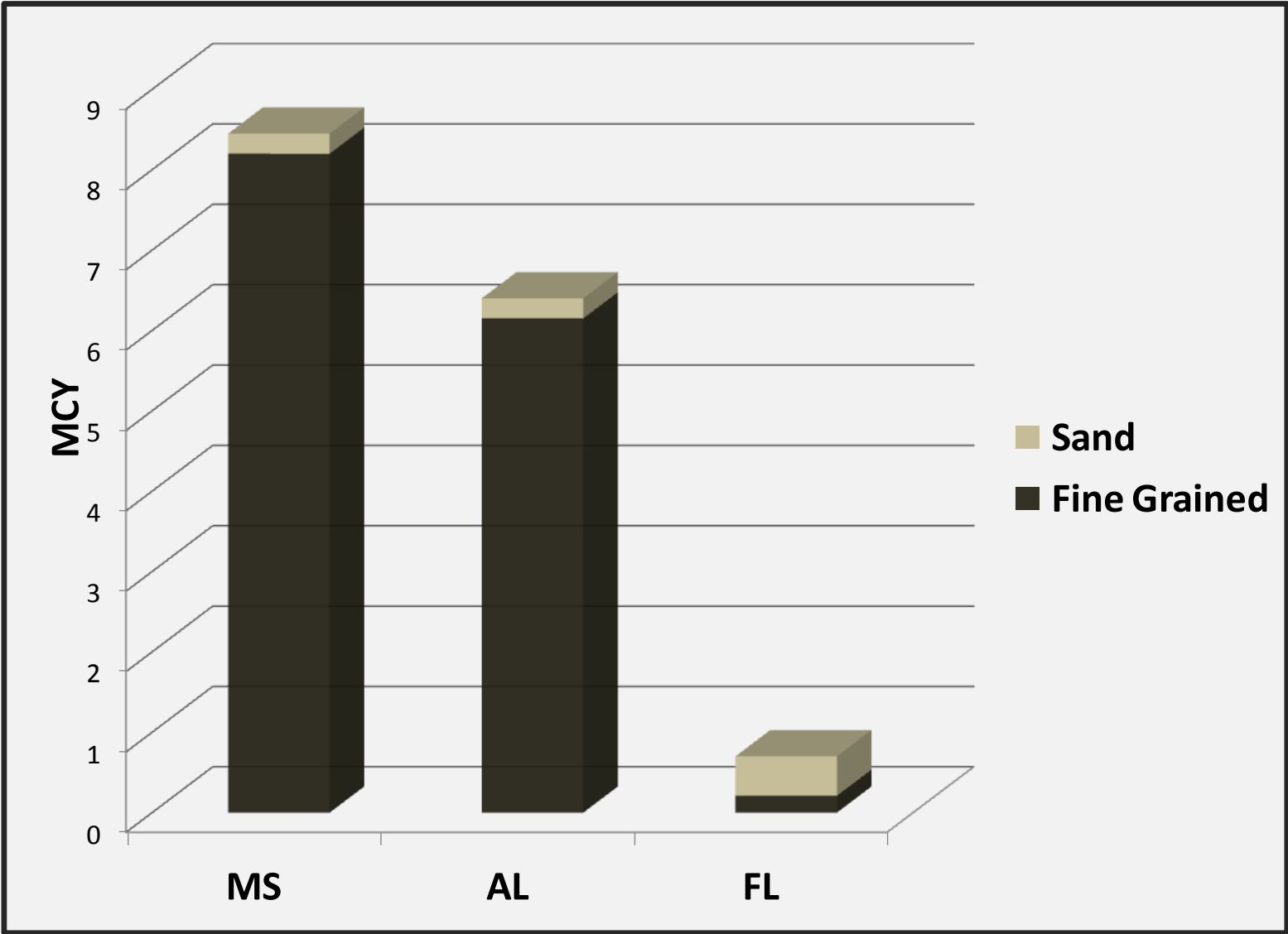
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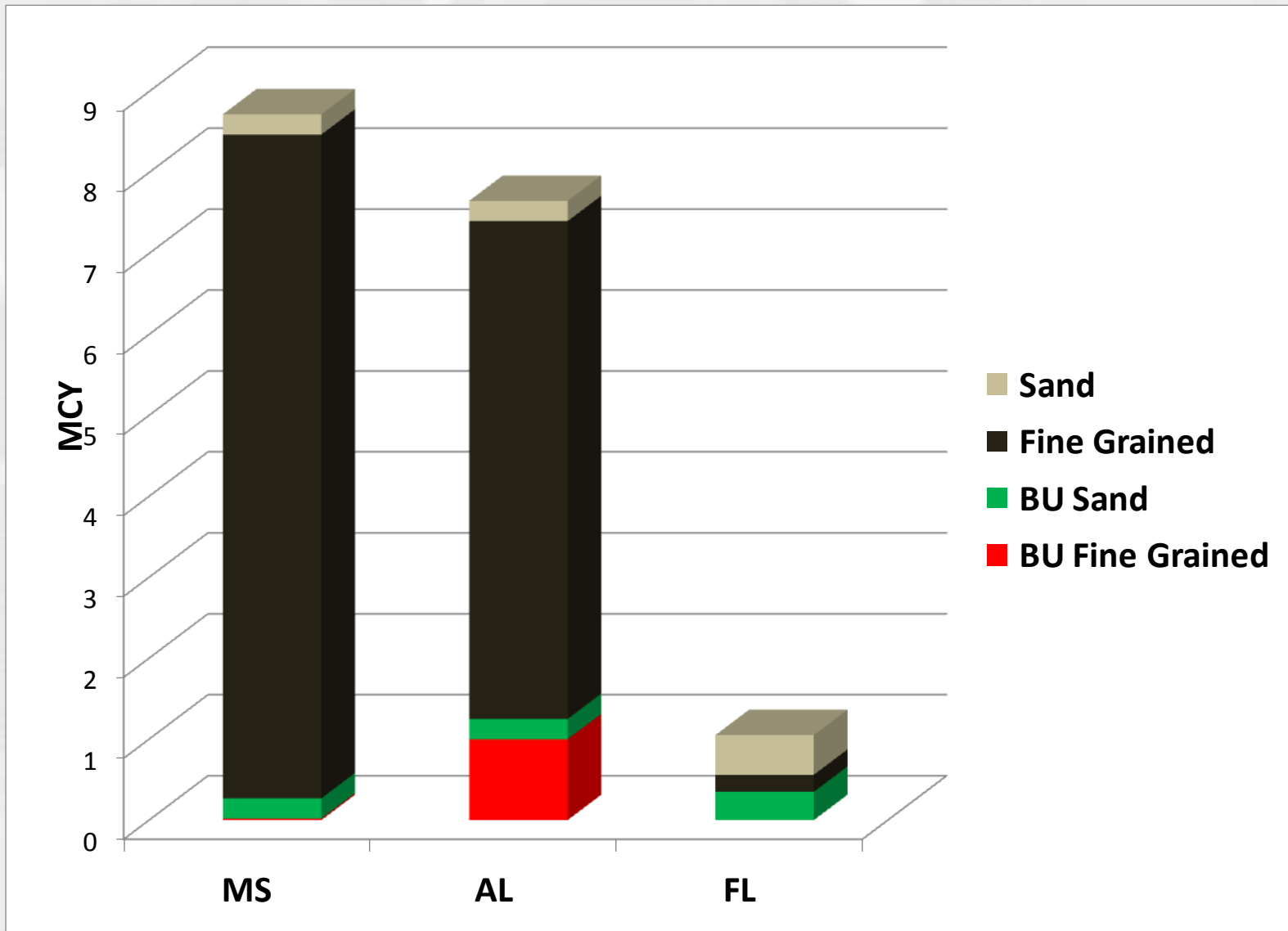
COASTAL ZONE QUANTITIES

MOBILE DISTRICT



COASTAL ZONE QUANTITIES

MOBILE DISTRICT

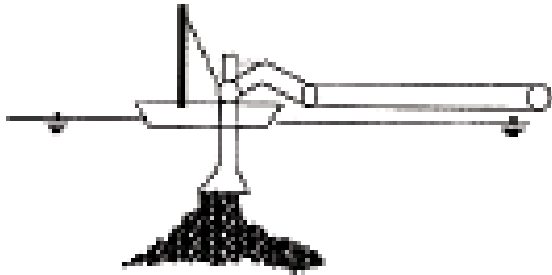


What Constitutes Beneficial Use?

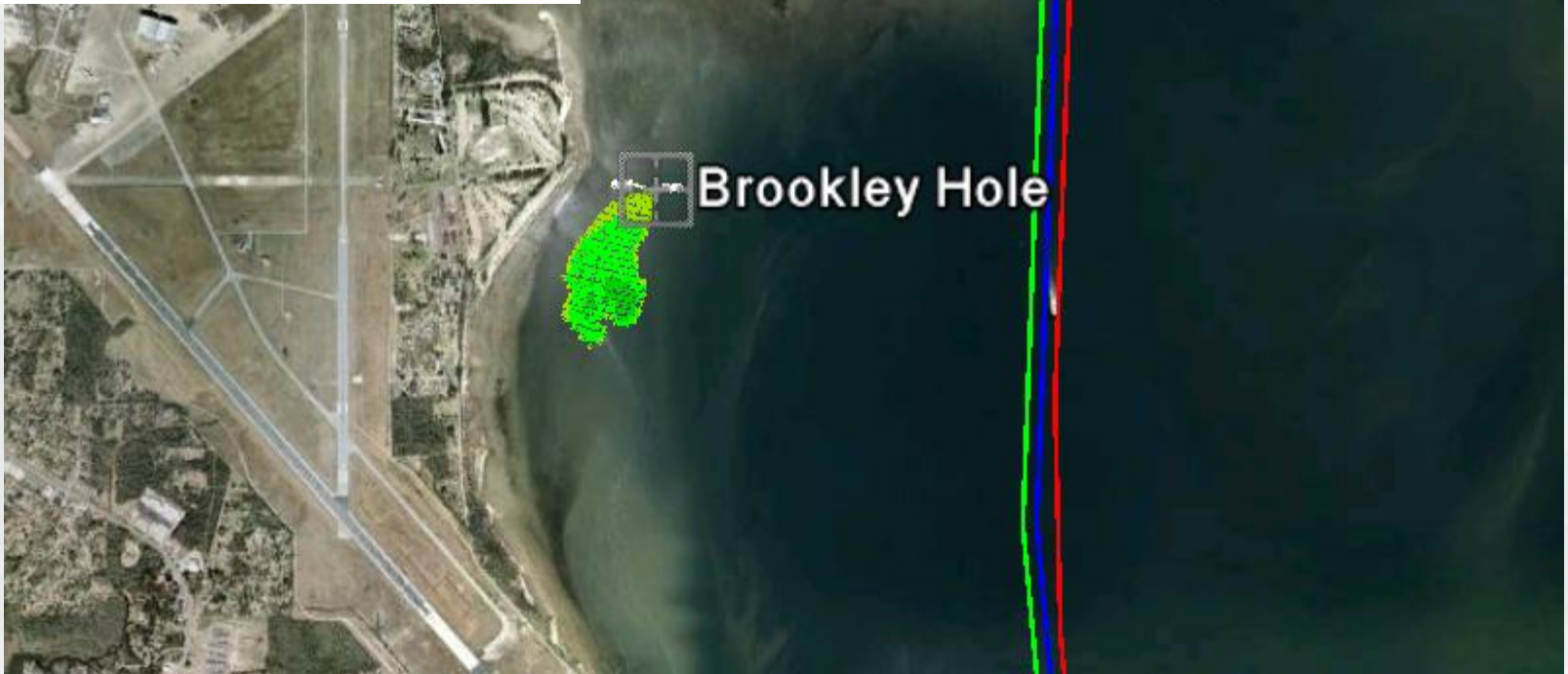




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Submerged Diffuser with Pipeline



CADET BAYOU





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BASIC QUESTIONS?

- Environmentally Acceptable?
- Cost Benefit?
- Legal Constraints?



- 
- The background is an aerial photograph of a river system. Overlaid on the map are several colored lines and shapes representing management plans or sections. A red line runs vertically through the center, labeled 'RIVER CHANNEL SECTION' at the top. A yellow line runs vertically on the right side, labeled 'BAY CHANNEL SECTION' on the right. A yellow line runs horizontally across the bottom, labeled 'MOBILE NORTH ODMS' on the left and 'BAR CHANNEL SECTION' on the right. A yellow line runs horizontally across the middle, labeled 'THEODORE SHIP CHANNEL' in the center. A yellow line runs horizontally across the bottom, labeled 'SAND ISLAND BEACH RECREATION' in the center. The text of the list is overlaid on the left side of the map.
- **Who is Defining Beneficial Use and Why?**
 - **Are the Expectations Reasonable?**
 - **Will Beneficial Use Govern Funding?**
 - **Does Beneficial Use Jeopardized Long-Term Management Plans?**



Selling Points?



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Dredge Material Ratios:

In-Situ Channel Material

1 : 2

Initial Placement Into Site

In-Situ Channel Material

1 : 1

Within Site Relay Material

In-Situ Channel Material

2 : 1

Truck Haul

In-Situ Channel Material

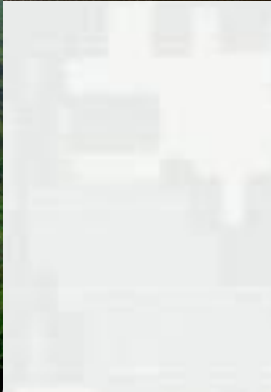
3 : 1

Dike and Final Floor Material



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DEER ISLAND 204 SITE



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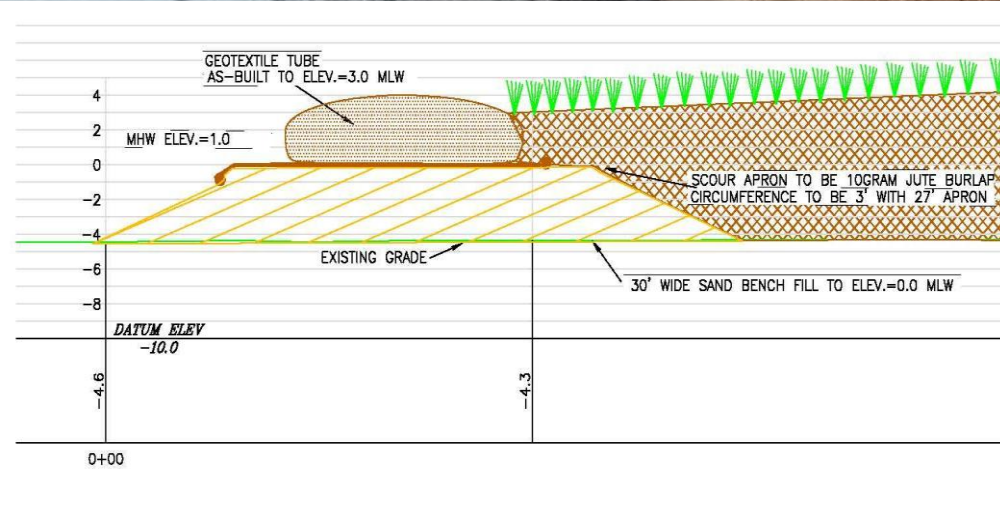
THE BUG

- Gather the Decision Makers
- Present Your Problem
- Solicit “Out of the Box” Solutions
- Find Common Ground
- Foster Ownership of Solutions
- Assign Homework
- Accountability
- Pilot Projects
- Myth Buster



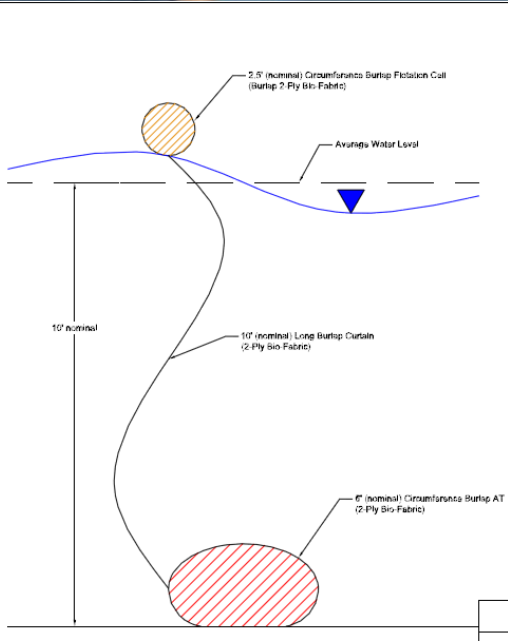
FY13 RSM IPR-Mobile District

Evaluation of Short Term Biodegradable Containment Structures for Shallow Water BU Nate Lovelace (SAM), Larry Parson (SAM)



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DO YOU HAVE A BUG ENDORSED MASTER PLAN?

- **Environmentally Acceptable**
- **Cost Benefit – Fed Standard**
- **Legal**
- **Proactive vs Reactive**
- **Shovel Ready Project**



ANY QUESTIONS?

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www.dredgeamerica.com

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