REGIONAL SEDIMENT MANAGEMENT
Regional Sediment Management (RSM) and Beneficial Use Along the Northern Gulf of Mexico

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Outline

- Mobile District Overview
- Timeline of RSM within Mobile District
- Key Recent Examples of RSM Practices
  - Mobile Bay, Alabama
  - Mississippi Barrier Islands
  - Islands in the Mississippi Sound
  - Dredged River Sands to the Coast
Timeline of Mobile District Initiatives Aligning with RSM Principles

- **RSM Northern Gulf of Mexico Demonstration Project Initiated**
  - 2000

- **Perdido Pass – Post Ivan Beach and Dune Repair**
  - 2004

- **Mobile Bay Watershed Initiative and Interagency Working Group Formed**
  - 2003

- **MsCIP – Mississippi Coastwide Regional Sediment Budget**
  - 2008

- **MsCIP Deer Island Restoration**
  - 2010

- **Sand Island Lighthouse Placement**
  - 2011

- **Mobile Bay Brookley Hole Phase I**
  - 2012

- **MsCIP DA 10 Dredged Material Placement Revisions and Tracer Study**
  - 2014

- **Round Island Restoration**
  - 2016

- **Coastwide Regional Sediment Budget and System Wide Approach to Managing Sediment at Perdido Pass, Alabama and Pensacola Harbor, East Pass and St. Andrew Inlets in Florida**
  - 2017

- **Brookley Hole Phase I and Mobile Bay Thin Layer Placement Demonstration Project**
  - 2017
Mobile Bay, Alabama

"Is it smart to continue removing 4 MCY from the Bay and hauling it to the Ocean?"

Thin Layer Placement
Brookley Hole Restoration
Oyster Shell Mining

Macro Sediment Budget 1917/18 to 1984/2011
(Byrnes, 2012)
Mississippi Barrier Islands

Mississippi Barrier Islands

Erosion and Accretion 1917/20 to 2005/10 (Byrnes, 2012)

Island Change 1848/49 to 2005 (USGS, 2007)
Mississippi Barrier Islands - DA 10/Sand

Erosion and Accretion 1917/20 to 2005/10 (Byrnes, 2012)
Mississippi Sound Island Restoration

Round Island

Deer Island
Bring River Sand to the Coast

Pascagoula Beach

Dauphin Island Pilot Study
Key Take Always

- Sediments Beyond Sand are Valuable Resources
- Regional Implementation Strategies Across Multiple Projects and Funding Sources
- Multi-Disciplinary Teams and Partners
- Collaboration, Collaboration, Collaboration!
Question?