

# Louisiana Coastal Area

Beneficial Use of Dredged Material (BUDMAT)

## Construction Projects in the Mississippi River Delta

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US Army Corps of Engineers  
**BUILDING STRONG**®



# Overview

- Authority
- Objectives
- Implementation
- Challenges
- 1<sup>st</sup> Proposed BUDMAT Projects
- Solicitation of Potential Projects



# Study Authority

- Title VII, Section 7006(d) of the Water Resources Development Act (WRDA) of 2007 (Public Law 110-114) subject to approval of a decision document by the Secretary of the Army at a cost of \$100,000,000.
  - ▶ *Delegated approval authority to MVD Commander for projects not to exceed \$20M.*
  - ▶ *Cost Shared 75% Federal/25% non-Federal*



# BUDMAT Objectives

- The BUDMAT Program planning objectives are:
  - ▶ (1) to cost effectively increase the beneficial use of material dredged from federally maintained waterways at a total cost of \$100 million over a 10-year period.
  - ▶ (2) to address the critical needs of the LCA Program by soliciting, selecting, planning, designing, and constructing individual ecosystem restoration projects that use material dredged from the federally maintained waterways.



# New Orleans District's

Primary Beneficial Use  
Navigation Channels





# BUDMAT

## Project Screening Criteria

- Protection of critical landscape features
- Protection of infrastructure
- Relative cost-effectiveness
- Synergy with other restoration projects



# BUDMAT Implementation

## FEDERAL STANDARD:

- Federal Standard requires that maintenance activities be conducted in the least costly, environmentally acceptable manner consistent with sound engineering practices.

## LCA BUDMAT:

- Program funds would be used for disposal activities associated with incremental, cost-shared, projects that are above and beyond the disposal activities that are covered under the USACE O&M maintenance dredging Federal Standard.



# BUDMAT Implementation

- Requires Design Agreement
  - ▶ cost shared at 75% Fed/25% non-Fed
  - ▶ NTE 1 year
  
- Requires Project Partnership Agreement
  - ▶ cost shared at 75% Fed/25% non-Fed
  - ▶ Linked to O&M dredging contract
  - ▶ Targeted around \$20M project





# Challenges

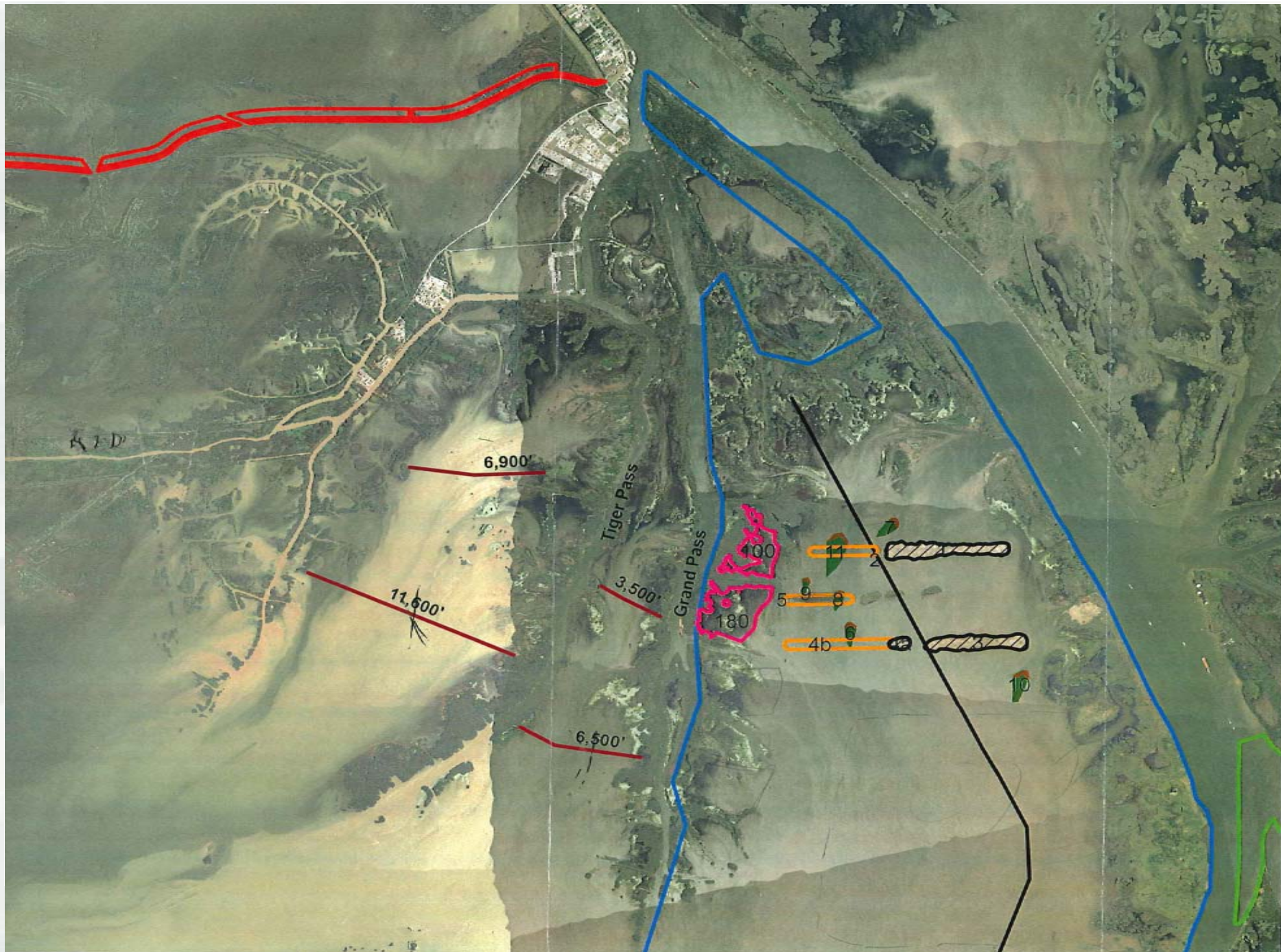
- Dredging locations are typically miles away from optimal placement area
- Syncing O&M budgets with projects that have willing non-Federal sponsors
- Can we make barge transportation efficient
- Can we make hopper pump out efficient



# 1<sup>st</sup> Proposed BUDMAT Projects

- **Plaquemines Parish Government**
  - ▶ Vicinity of West Bay; completed July 2015
  - ▶ Vicinity of Tiger Pass; in planning and design phase
- **Combination of marsh creation and ridge construction**
- **Utilizing dredged material from the HDDA**
- **Projects will have synergy with O&M dredging, Plaquemines Parish Coastal Plan, CWPPRA – West Bay diversion project, and LCA**
- **Received \$10M “new Start” in FY15**
- **FY16 President’s Budget for \$10M**







# Minimum Submittal Requirements for Nominating Projects

- Proposed Project Name
- Project Location
- Project Description with Purpose/Goals
- Navigation channel reach to be dredged for beneficial use source material
- Distance of beneficial use site from navigation channel dredging reach
- Project Originator and Contact Information



# Conclusions

- WRDA 2007 authorized \$100M Program to be used in connection with Federal dredging activities.
  - ▶ increase the beneficial use of material dredged from federally maintained waterways
- Challenges with transporting the material long distances
- First project was executed successfully with Plaquemines Parish Government
  - ▶ Design and Construction is cost shared 75/25
- Opportunity to submit proposed projects for evaluation





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