

PROJECT OVERVIEW



UPPER MOBILE BAY WETLAND CREATION

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PROJECT GOAL

The goal of the Upper Mobile Bay Beneficial Use Wetland Creation Site Project is to create 1,200 acres of wetlands in the Upper Mobile Bay through the beneficial use of dredged material. This project will ensure that sediments dredged from the Upper Mobile Bay area are used beneficially to help restore our coastal wetland habitats.

TIMELINE



LATEST NEWS

The Project Team of engineers and scientists has been working on several tasks over the last 6 months including conducting field site investigations, desktop analysis, and setting design criteria to create a conceptual design to meet the project goal to create 1,200 acres of wetlands in the Upper Mobile Bay through the beneficial use of dredged material.

These site investigations, desktop analyses, and design criteria helped the Project Team explore conceptual designs that satisfy environmental, social, cultural, and physical conditions in Upper Mobile Bay ultimately maximizing habitat value.



IN-FIELD SITE INVESTIGATIONS (LOCAL BUSINESSES)

- Mapping Bay bottom elevations over 2000 acres
- Geotechnical samples collected through 70 soil borings
- Cultural resources re-assessment.



DESKTOP ANALYSES

- Sea level rise estimations
- Water level analyses
- Typical wave climate and hydrologic modeling
- Sediment settlement analyses
- Environmental modeling for habitat benefits.



DESIGN CRITERIA

- Environmental, Social-economic, and Cultural criteria include:
 - Maximize habitat diversity and increase habitat productivity
 - Minimize impacts to current commercial and recreational fishing areas
 - Avoid cultural resources
 - Avoid submerged aquatic vegetation and oyster reefs
 - Determine EPA-standard tested sediments for open water dredged material placement.
- Physical Site Condition criteria include:
 - Wind and wave climate to inform shoreline protection features
 - Elevation of wetland to create habitat
 - Slope stability of sediments for containment design to reduce turbidity
 - Depth of water for maximized capacity of dredged material and site access.

STAY IN TOUCH

For further information about the project, either visit our website at uppermobaywetlands.com or email us at uppermobaywetlands@asdd.com

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