Mississippi River Dredging and Restoration Efforts



COASTAL PROTECTION GENESTORATION GENESTORATION GENESTORATION CORRESPONDED TO THE PROTECTION OF PROTE

67.200 BENEFITED (105 SQUARE MILES)

214 M Y D 3 OF SEDIMENT FILLED

71.6 MILES
OF BARRIER ISLAND RESTORATION

383 MILES OF IMPROVED LEVEE

S 2 1.6 B FUNDING SECURED

COASTAL PROTECTION GERESTORATION GERESTORATION CONTRACTOR SINGE 2007

Constructed Hydraulic Dredging Projects:

18 Barrier Island/Headland Projects

38 Marsh Creation Projects

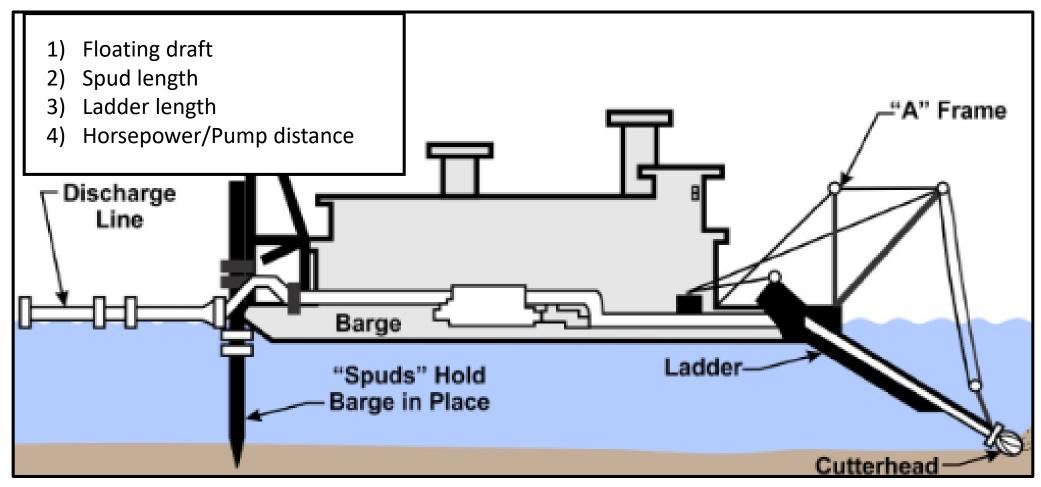
Nearly 30,000 acres marsh/beach/dune/ridge habitat created

Total Investment = \$2.6 Billion

15 Restoration Projects with Mississippi River Dredging

COASTAL PROTECTION AND RESTORATION AUTHORITY

Hydraulic Dredging – Equipment Limitations



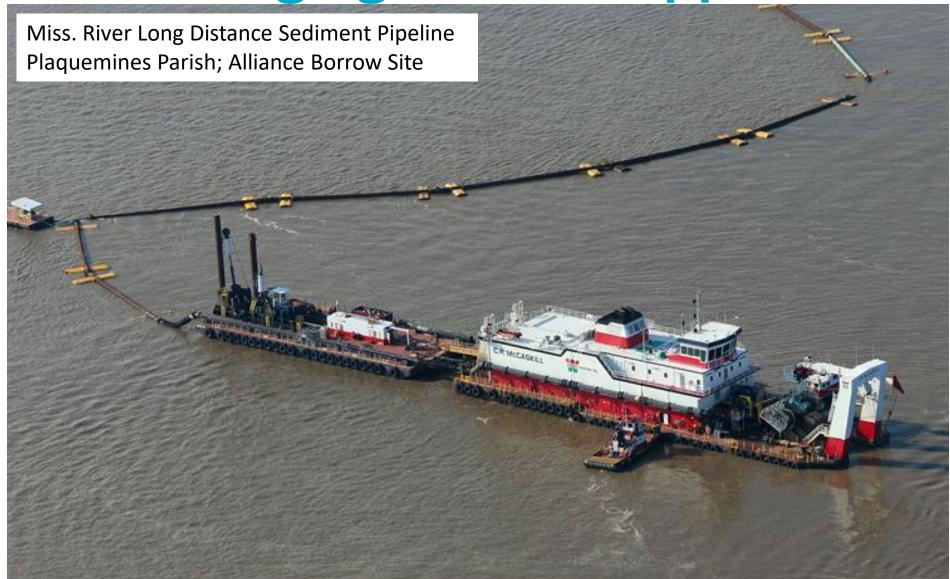
CREDIT: FEDERAL REMEDIATION TECHNOLOGIES ROUNDTABLE

COASTAL PROTECTION AND RESTORATION AUTHORITY

Hydraulic Dredging – Shallow Lakes and Bays

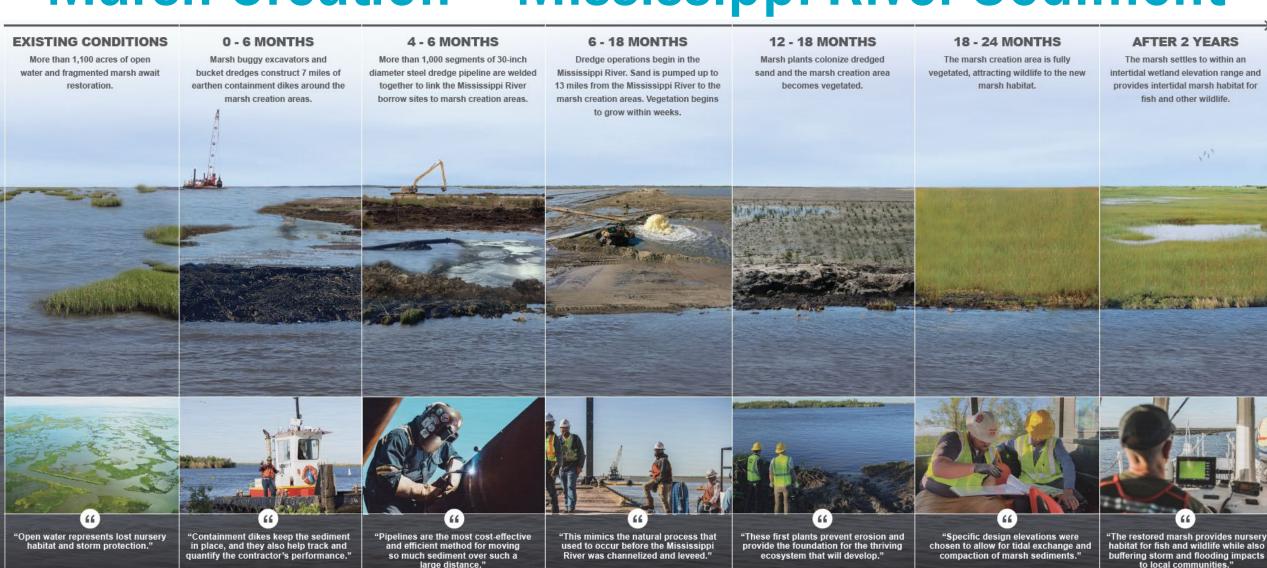


Hydraulic Dredging - Mississippi River



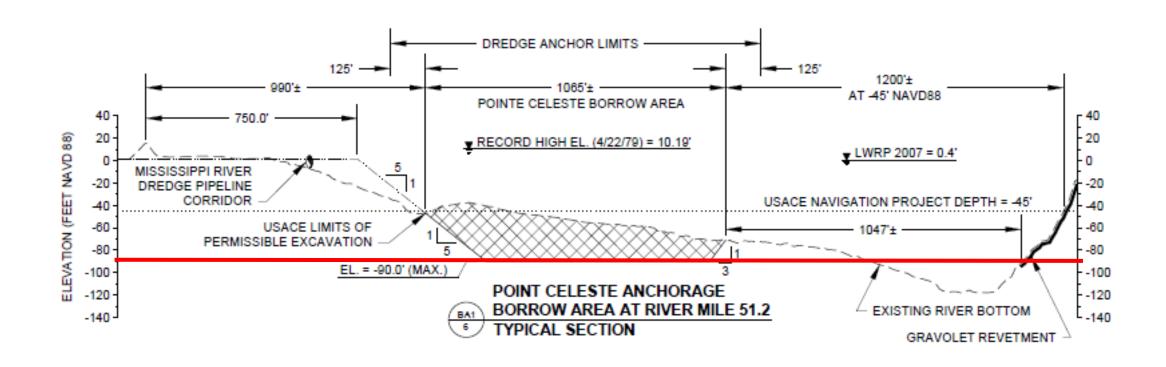
COASTAL PROTECTION AND RESTORATION AUTHORITY

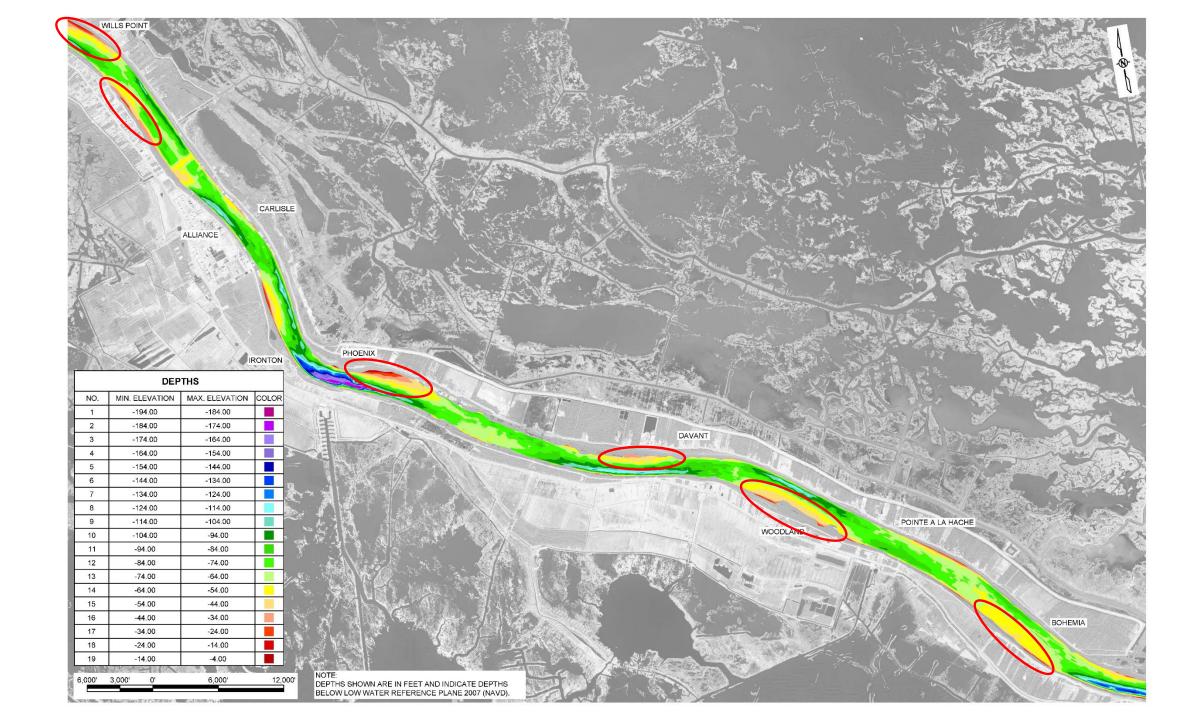
Marsh Creation - Mississippi River Sediment

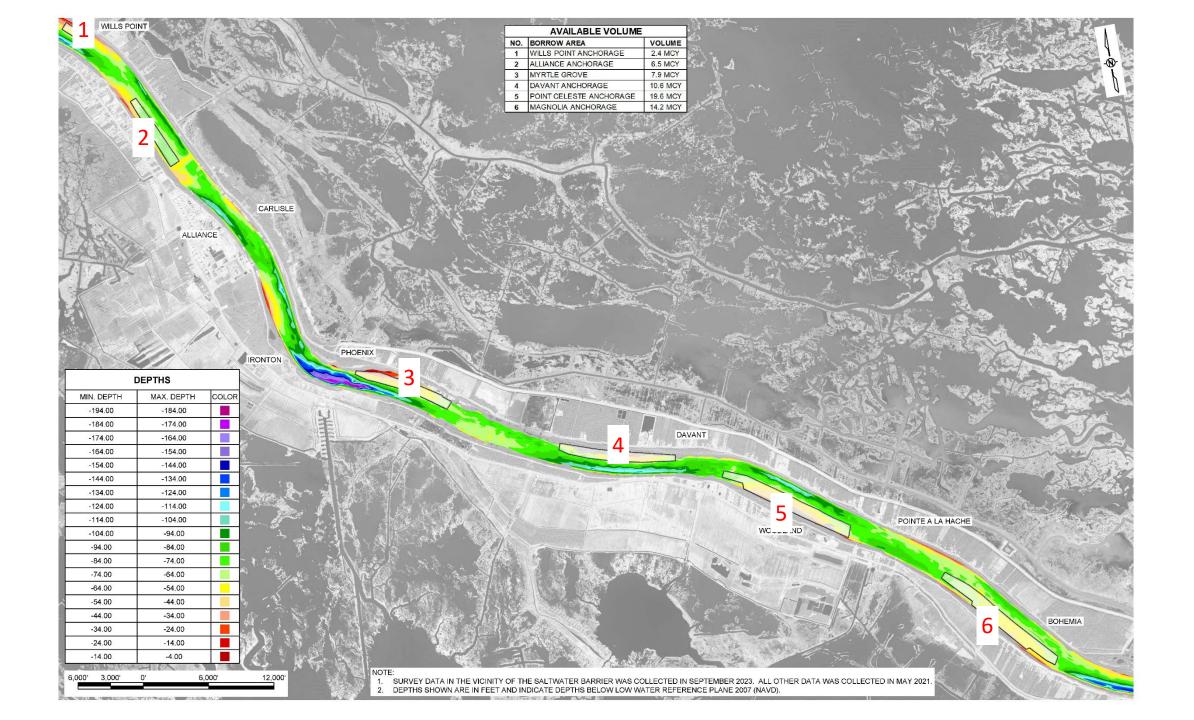


CREDIT: MOFFATT & NICHOL

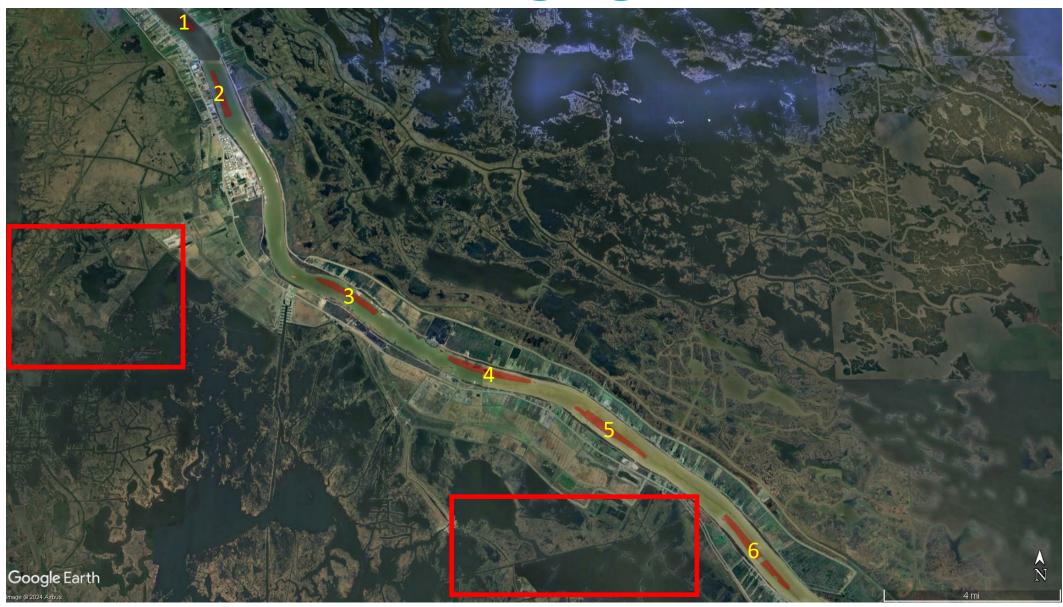
Mississippi River "Dredgeable" Sediment

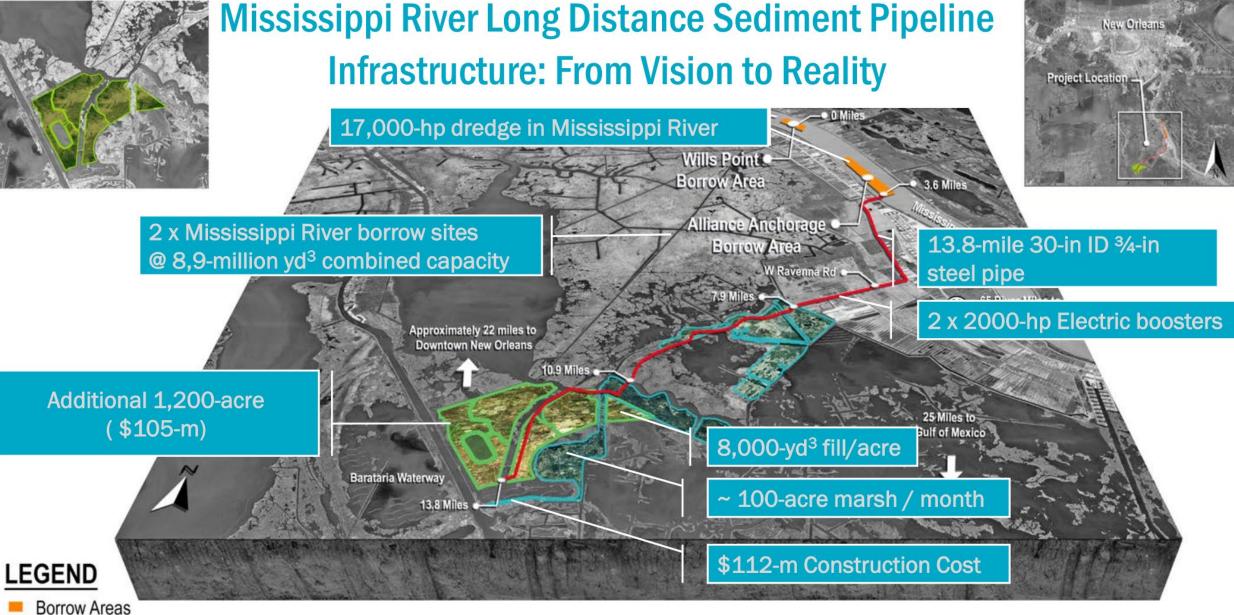






Mississippi River Dredging





- Dredge Pipeline Route with Marker Miles Starting at Wills Point Borrow Area
- **UBMC Marsh Creation Areas**
- Previously Constructed Marsh Creation Areas

Upper Barataria Marsh Creation (BA-0207)





Upper Barataria Marsh Creation (BA-0207)

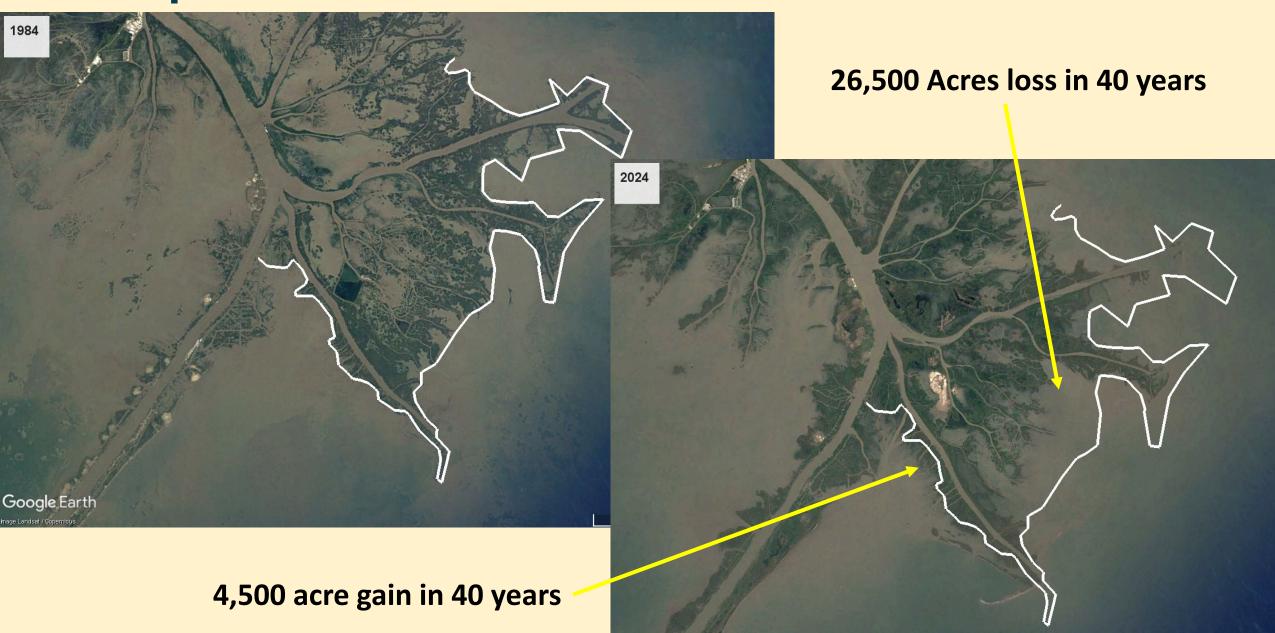


BIRD'S FOOT DETLA HYDROLOGIC RESTORATION PROJECT





Purpose and Need:



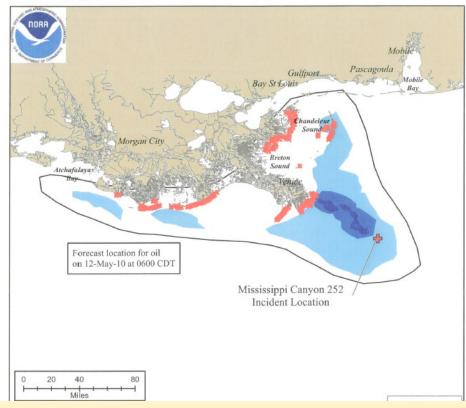
Purpose and Need:

Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

Estimate for: 0600 CDT, Wednesday, 5/12/10 Date Prepared: 1300 CDT, Sunday, 5/09/10

This forecast is based on the NWS spot forecast from Sunday, May 9th AM. Currents were obtained from the NOAA Gulf of Mexico, USF West Florida Shelf, Texas A&M/TGLO and NAVO/NRL models; and HFR measurements. The model was initialized from satellite imagery and analysis provided by NOAA/NESDIS obtained the evening of May 8 and Sunday morning overflight observations. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization).





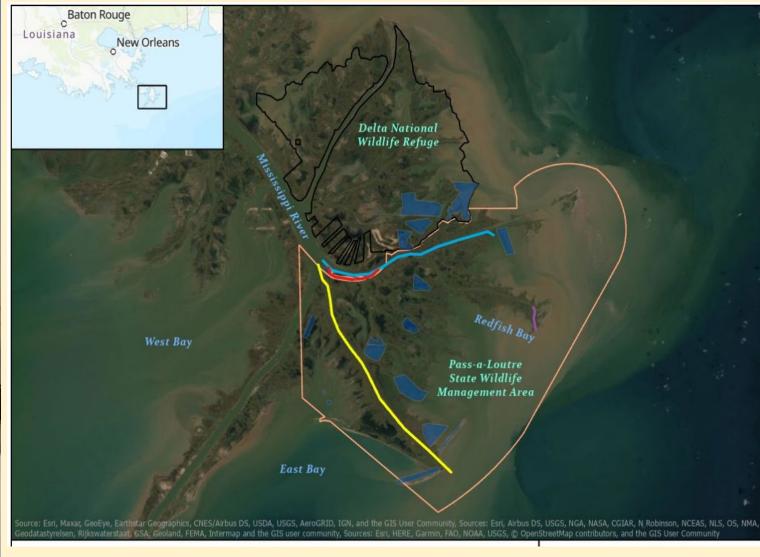
Purpose and Need:



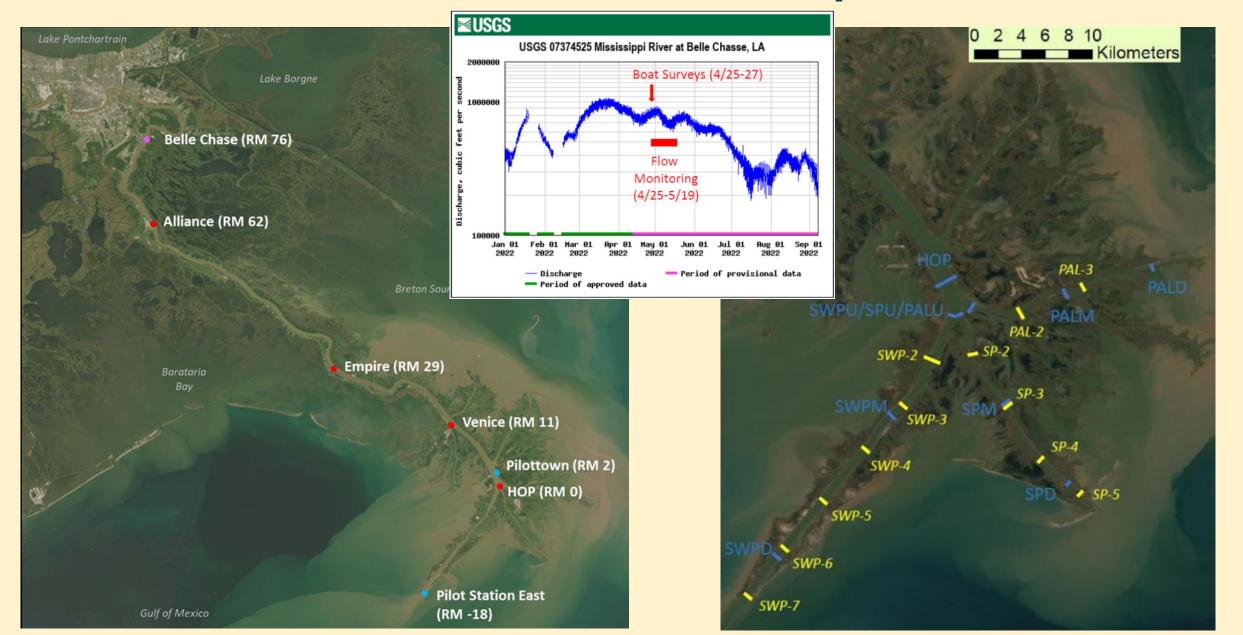
Funding for E&D: LA TIG Restoration Plan #7

Deepwater Horizon Oil Spill Louisiana Trustee Implementation **Group Final Restoration Plan and Environmental Assessment #7:** Wetlands, Coastal, and Nearshore **Habitats and Birds** November 13, 2020

\$6,000,000 Engineering and Design



Data Collection and Model Inputs:



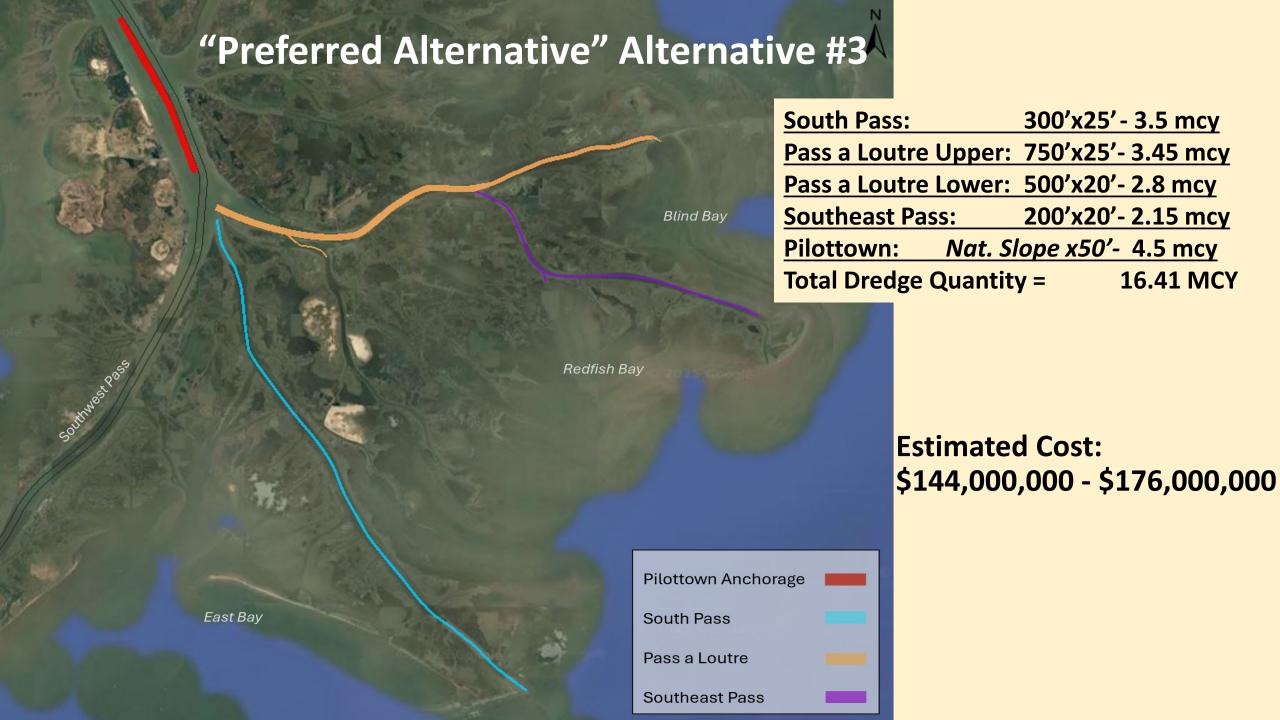
Stakeholder Engagement:



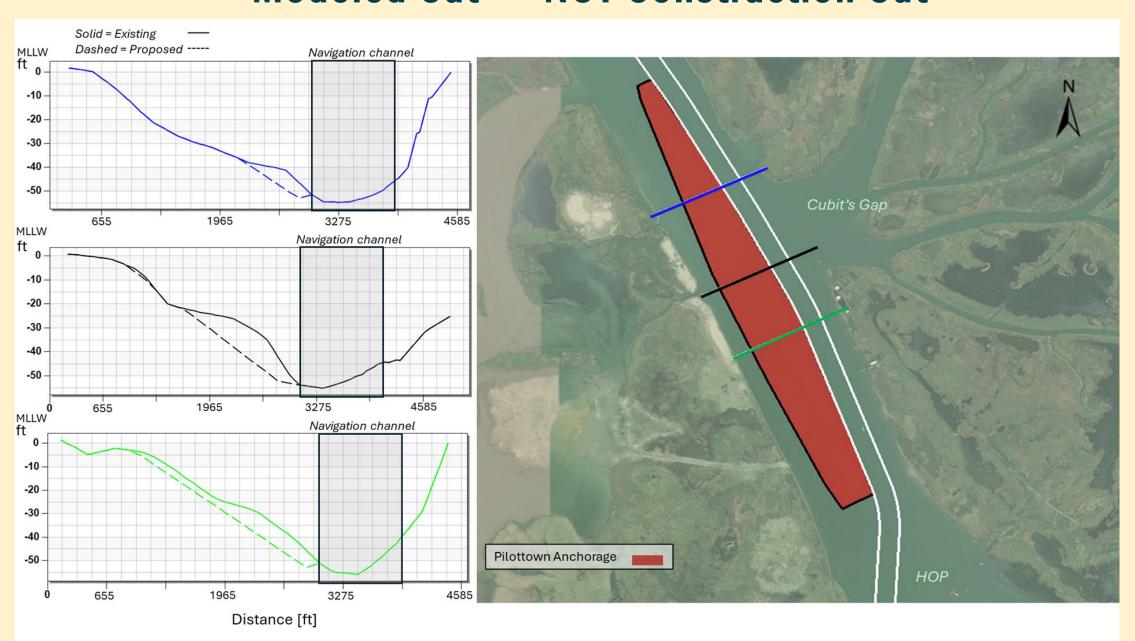






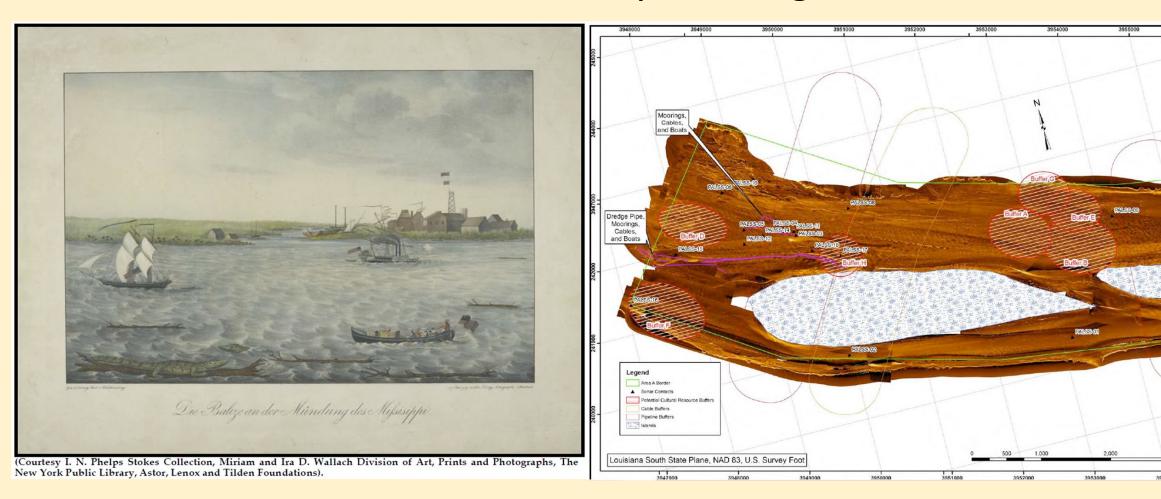


Pilot Town Anchorage Dredging ** "Modeled Cut" - NOT Construction Cut



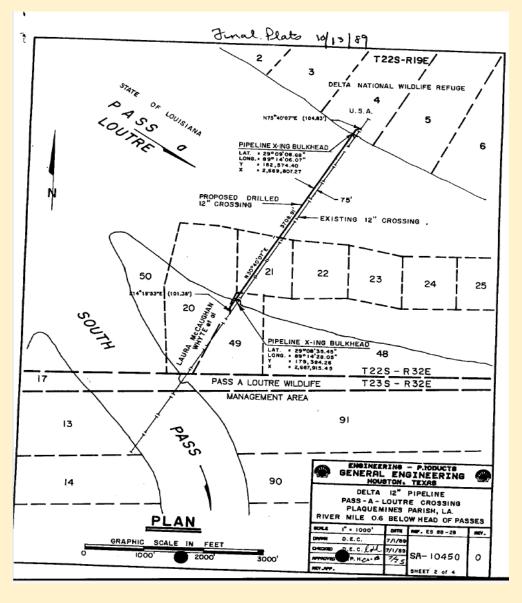
Next Steps: Archeological Surveys

363 miles of survey covering 2,878 acres

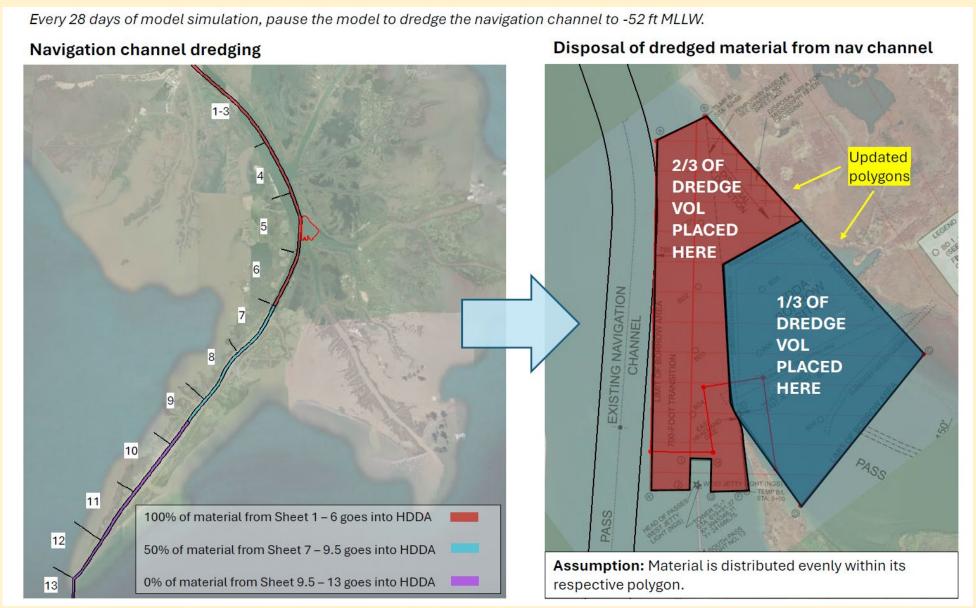


Next Steps: Oil and Gas Infrastructure

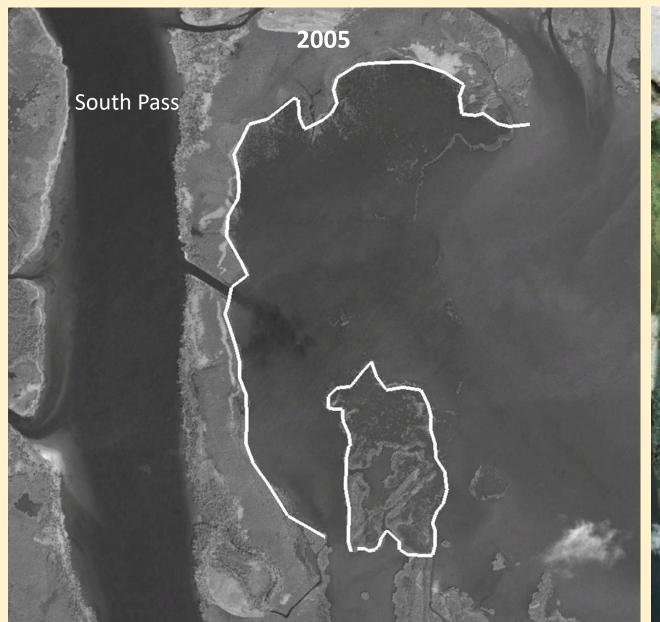




Next Steps: Determine Project Longevity



Next Steps: Calculate Project Benefits "Acres"





Next Steps: Develop Sediment Disposal Areas





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