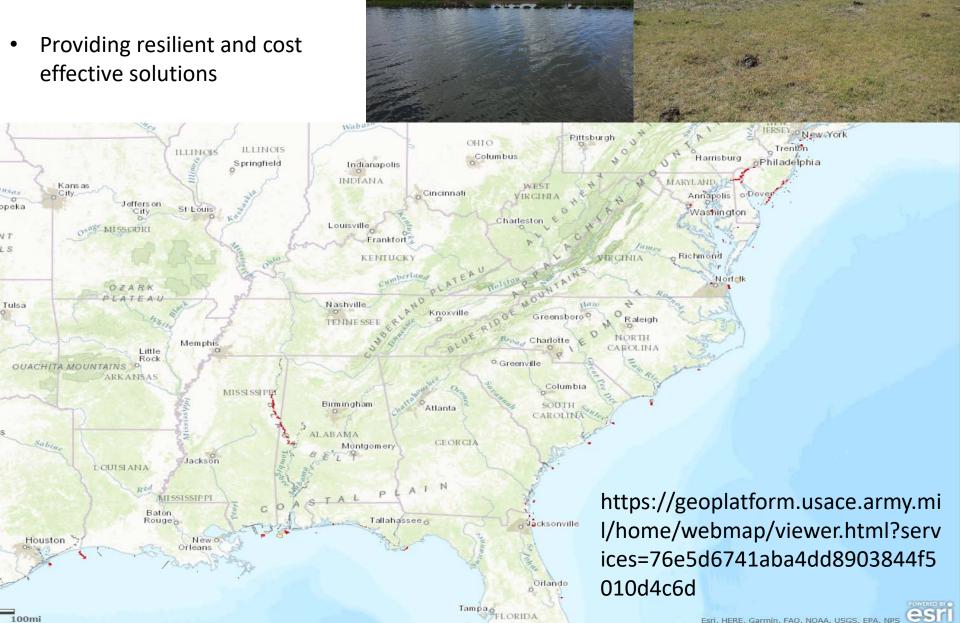


Introduction

 Dredged Material Placement Areas potentials are undermined

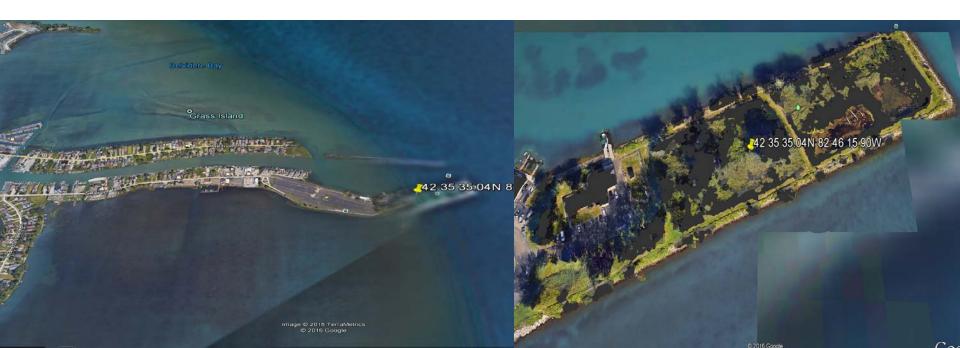


Introduction Contd.

Marsh Creation-Ecosystem Restoration-Detroit District

- Wet-mesic coastal savanna
- Limestone cobble shore
- Sedge meadow pocket wetlands
- Large wood debris fish habitat

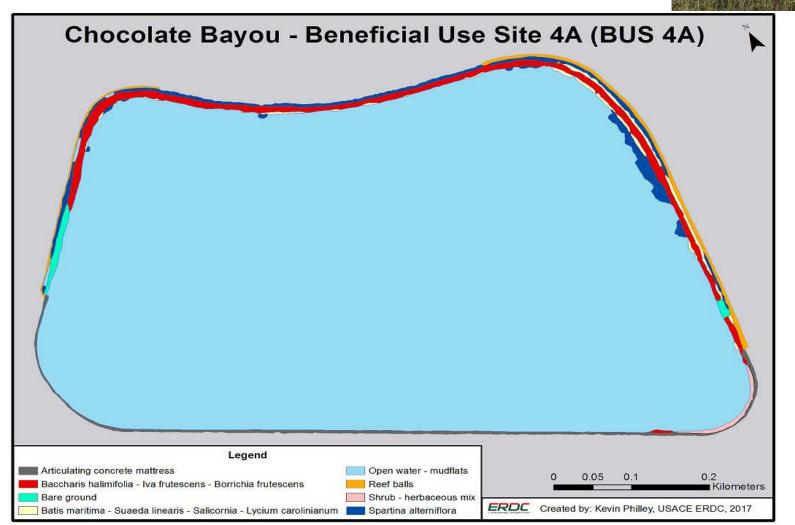
- Clinton River Mouth Restoration
- Desirable Vegetation
- Sediment Characterization
- Sediment Consolidation
- Water Level Fluctuations



Concepts

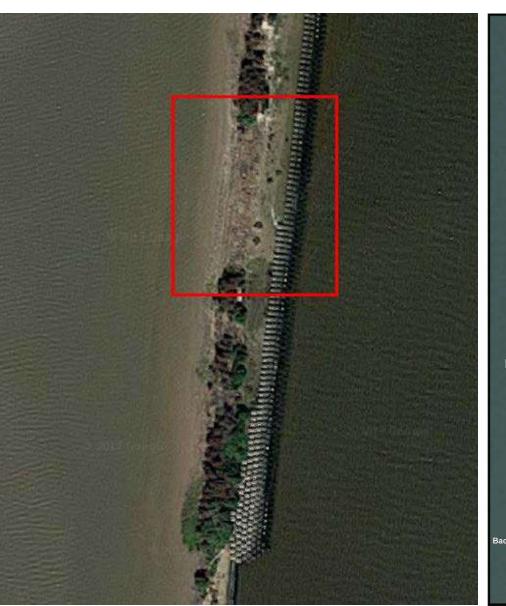
BUS 4A-Chocolate Bay-Galveston District

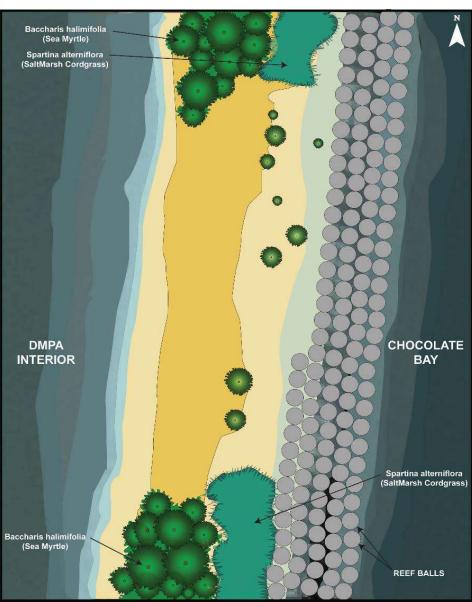






Method





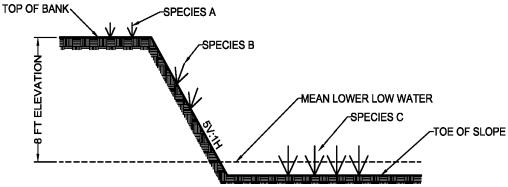
Method

BENEFICIAL USE SITE 4A CROSS SECTION PROFILE

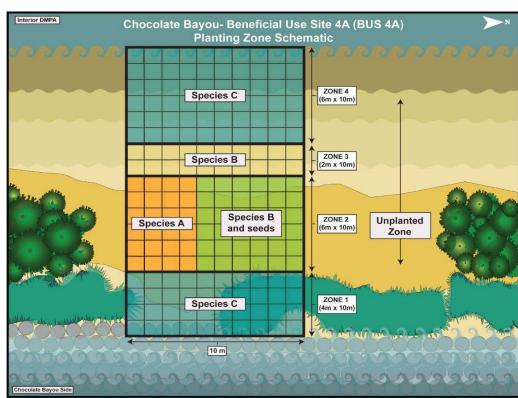
SPECIES A FORESTICA ACUMINATE ERYTHRINA HERBACEA MORELLA CERIFERA ILEX VOMITORIA

SPECIES B SPARTINA PATHENS SCHOENOPLECTUS MARITIMUS DISTICHILIS PISCATA LYCIUM CAROLINIANUM

SPECIES C SPARTINA ALTERNIFLORA PASPALUM VIRGINIATUM SPOROBOLUS VIRGINIANUS IVA FRUTESCENS BORICHIA FRUTESCENS



NOT TO SCALE



Team

Tosin Sekoni - Research Ecologist - Principal Investigator

Susan Bailey - Research Engineer - Dredging Focus

Kevin Philley - Research Botanist

Brian Durham - Research Biologist - Biotechnical Planting SME

Matt Balazik - Research Ecologist - Coconut Fiber SME

Jason Pietroski - Research Ecologist

Scott Alford – Soil Scientist- USDA Plant material SME



Funding Source

Engineering with Nature (EWN)



Dredging Operations Technical Support (DOTS)



Water operations Technical Support (WOTS)

Implementation

- Series of Coordination
- Transparency and buy-in
- Site visits/Site selection
- Pre-workshop activities
- Onsite and offsite harvest site
- Workshop









Outcomes/Impacts

PA 14 Marsh Cell 10 Planting in Mar. 2018





