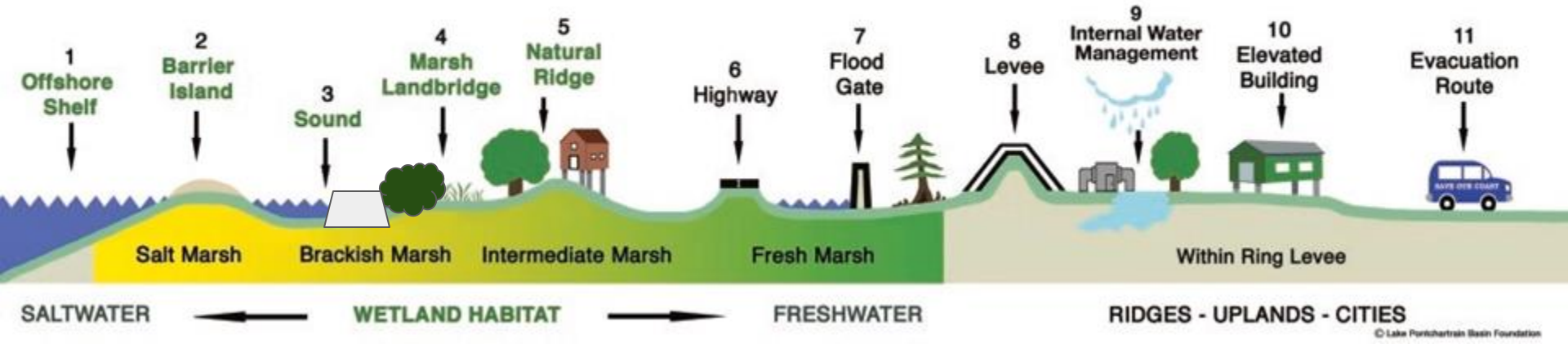
GANBASE
Coastal Restoration Louisiana

Meraux Foundation
Blaise Pezold

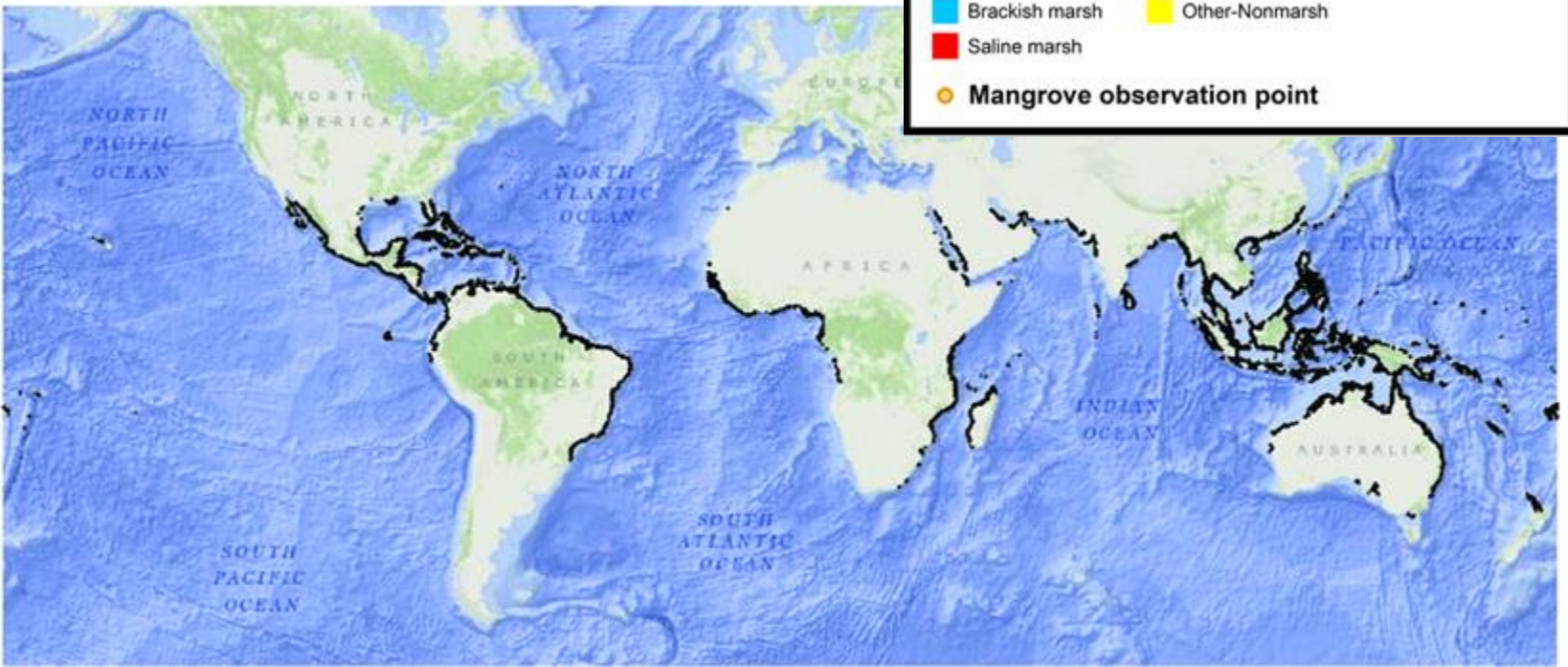
Multiple lines of defense

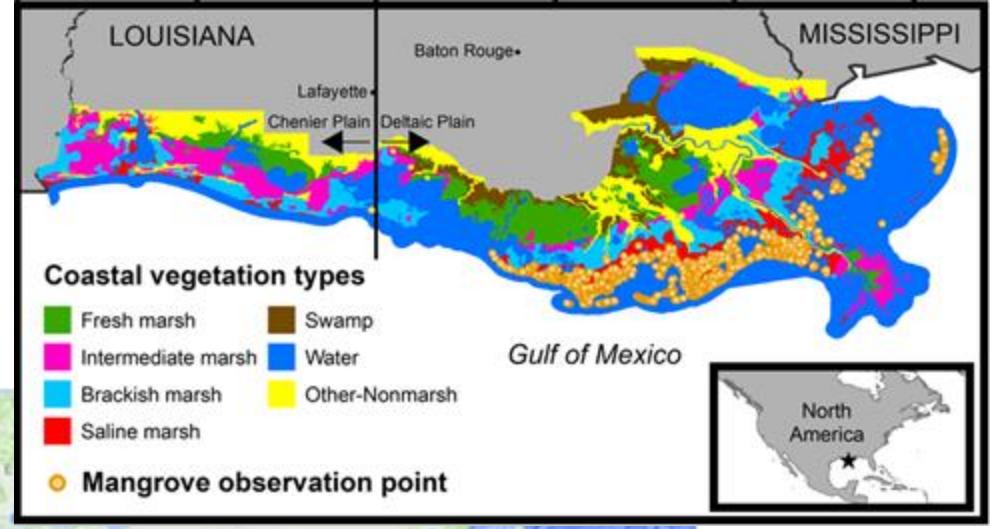
- Uses natural obstructions to slow storm surge
- Uses anthropogenic obstructions to slow storm surge
- Integrates both into a plan to reduce storm surge impacts



FRICTIOn

Black Mangroves of the North





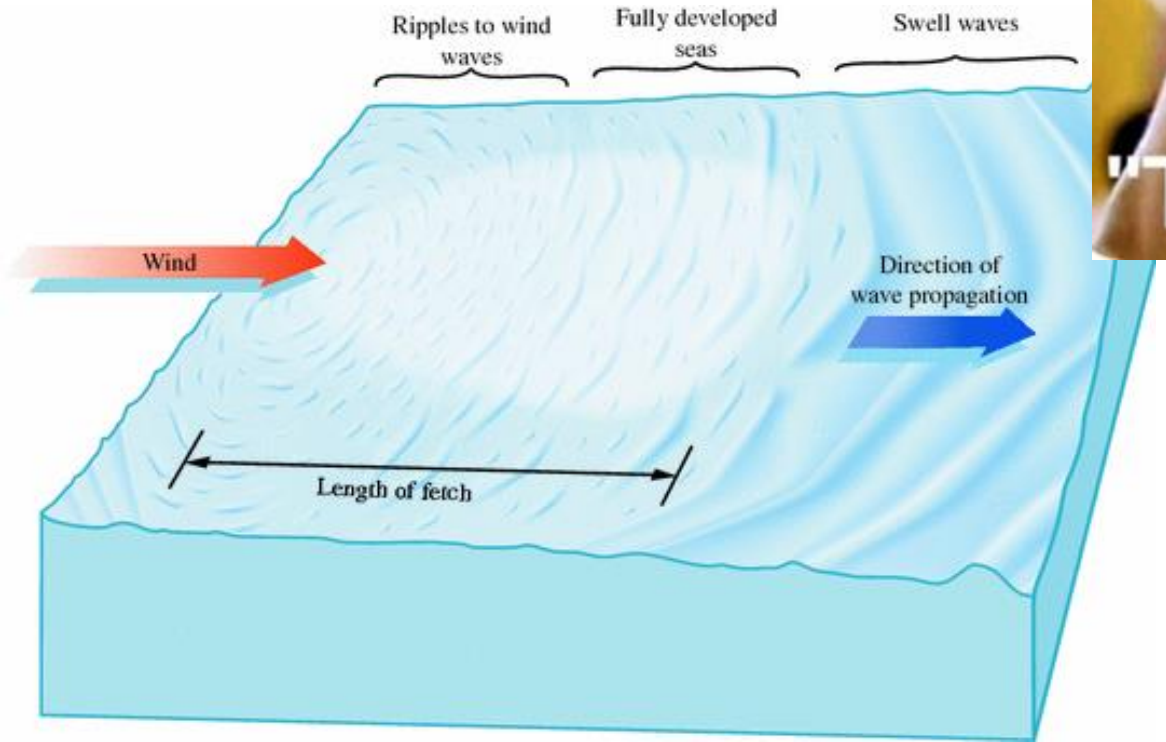
Chalmette High School 4H Black Mangrove Project


4H Black Mangrove
Planting sites
Legend
Black Mangrove 2023, 7,135 ft.
Black Mangrove 2024, 8,715
Black Mangrove Planting 2021
Mangrove Site 2017
Mangrove site 2018
Mangrove site 2019
Treasure Bay
Eloi Bay
Google Earth
Image © 2023 CNES / Airbus
Image © 2023 Maxar Technologies
N
1 mi

Where?

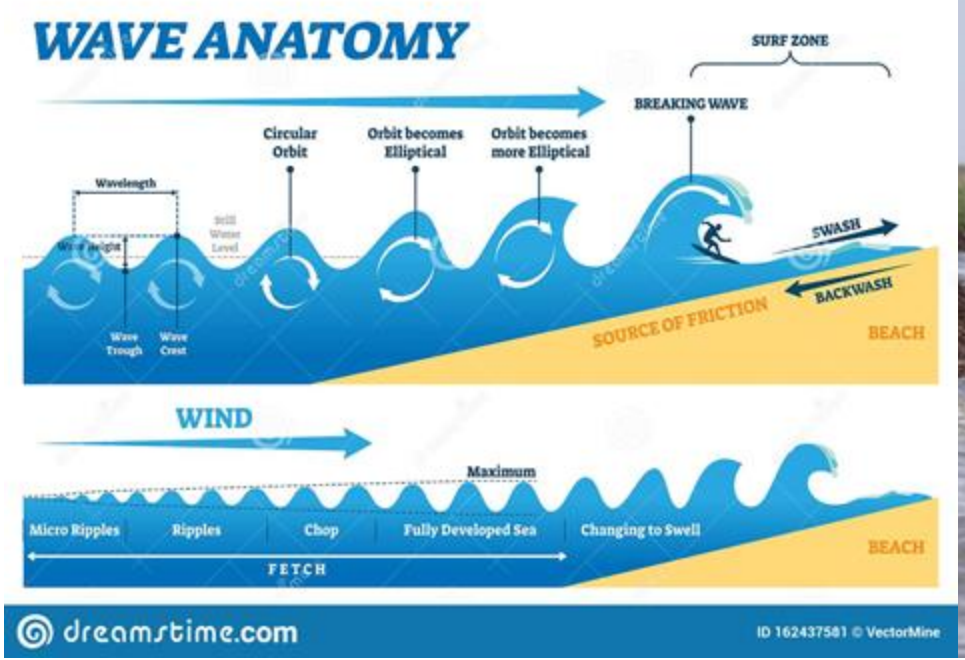

LOUISIANA
Shreveport
BATON ROUGE
NEW ORLEANS
Gulf of Mexico

That’s so Fetch



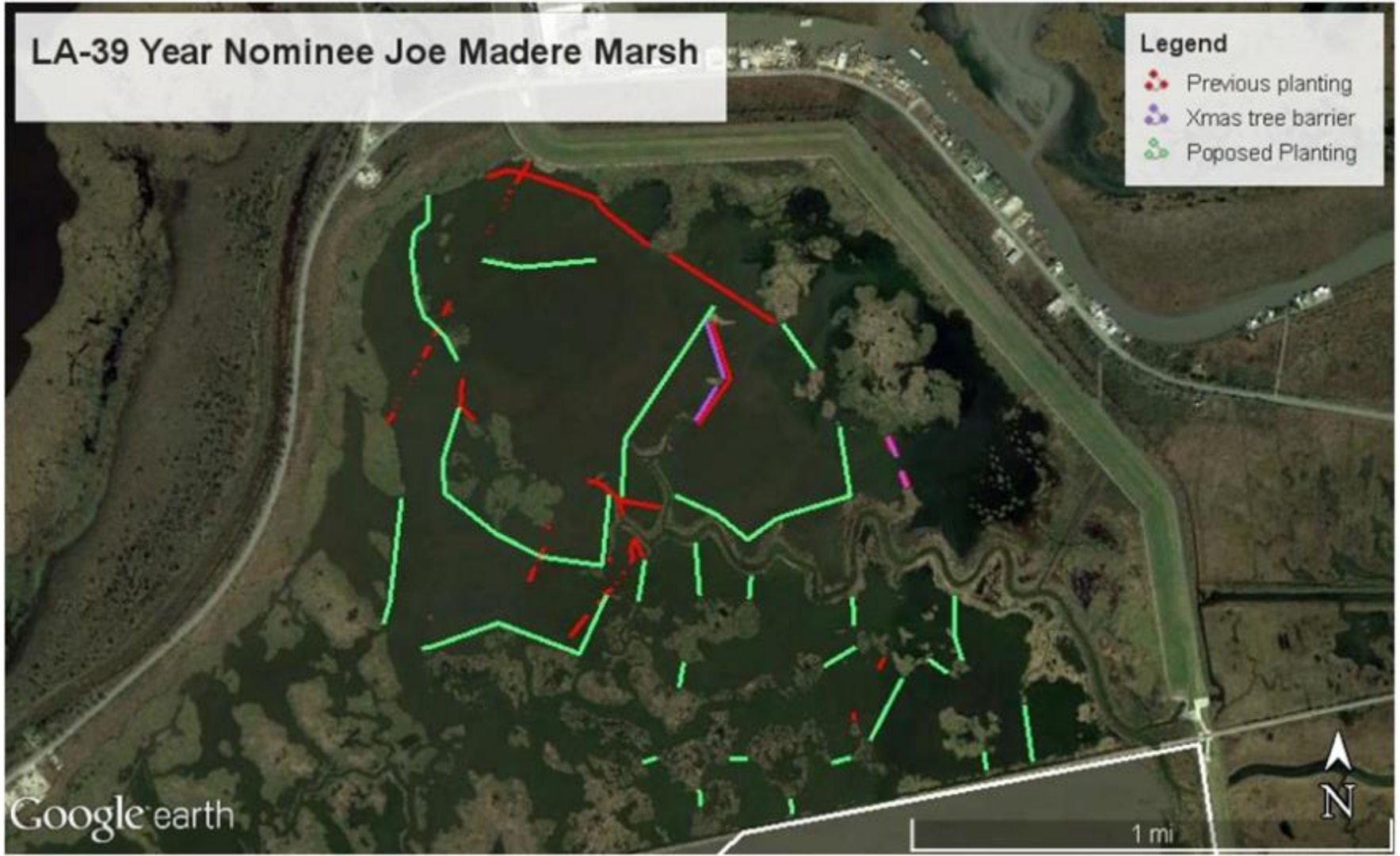
- Wind induced erosion
- Based on length traveled across a water body
- Can be mitigated by vegetation type or armoring

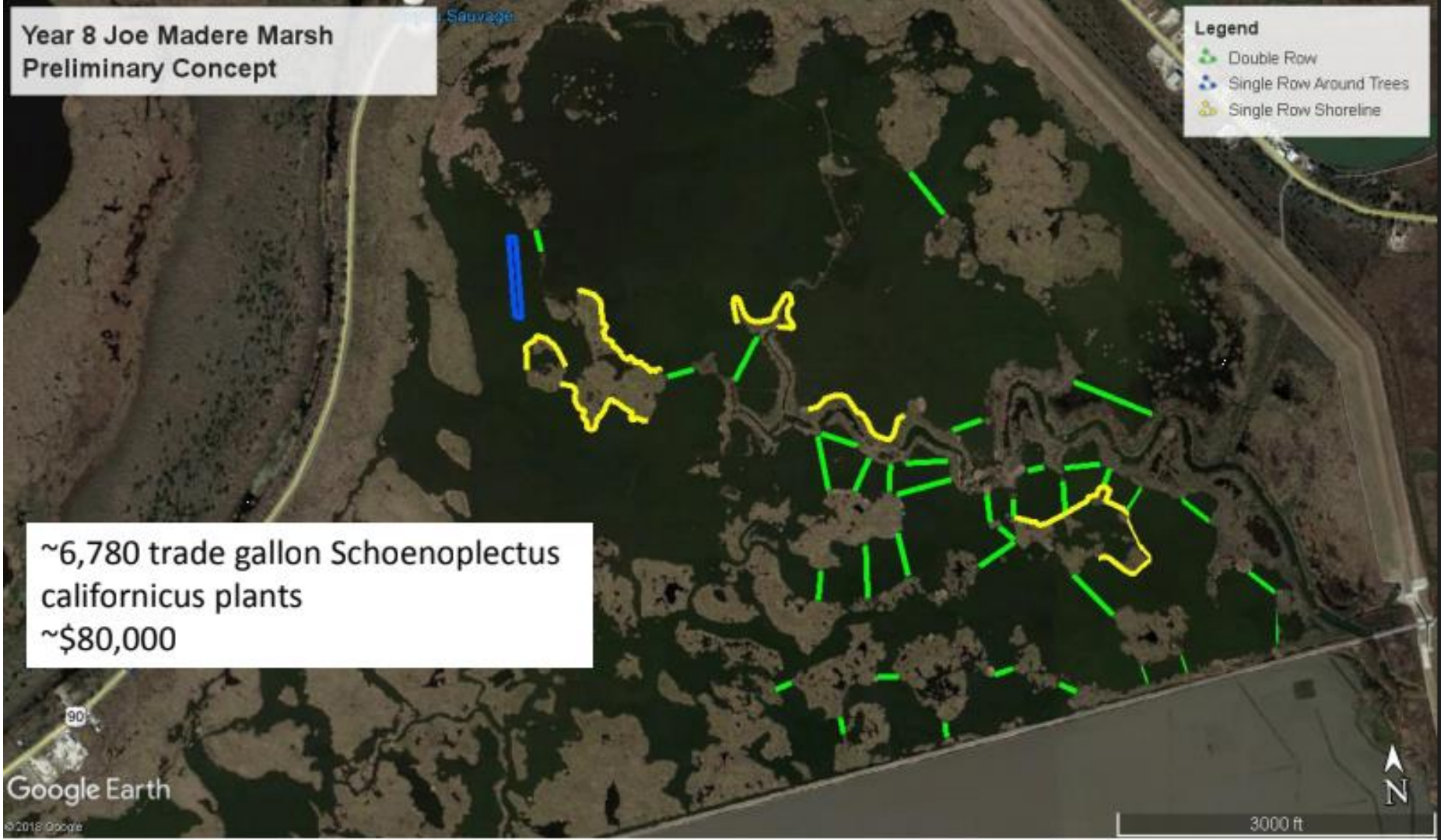
Large Shallow Lakes= Large waves and High erosion



CWPPRA (Breaux Act) La.39 Coastwide Vegetation Program


3/2023
N
Survey
Image © 2023 Maxar Technologies
Image © 2023 Airbus
Google Earth


LA-39 Year Nominee Joe Madere Marsh
Legend
Previous planting
Xmas tree barrier
Poposed Planting
Google earth
1 mi
N


Year 8 Joe Madere Marsh
Preliminary Concept
Legend
Double Row
Single Row Around Trees
Single Row Shoreline
~6,780 trade gallon Schoenoplectus californicus plants
~$80,000
90
Google Earth
© 2018 Google
N
3000 ft

Growth from 2018-2021

MRGO/Rock Dam/35 ppt

The Central Wetlands Unit

Dreams to reality via teamwork

St. Bernard Wetlands Foundation

COMMON GROUND RELIEF

Louisiana Department of Agriculture and Forestry

the MERAUX FOUNDATION

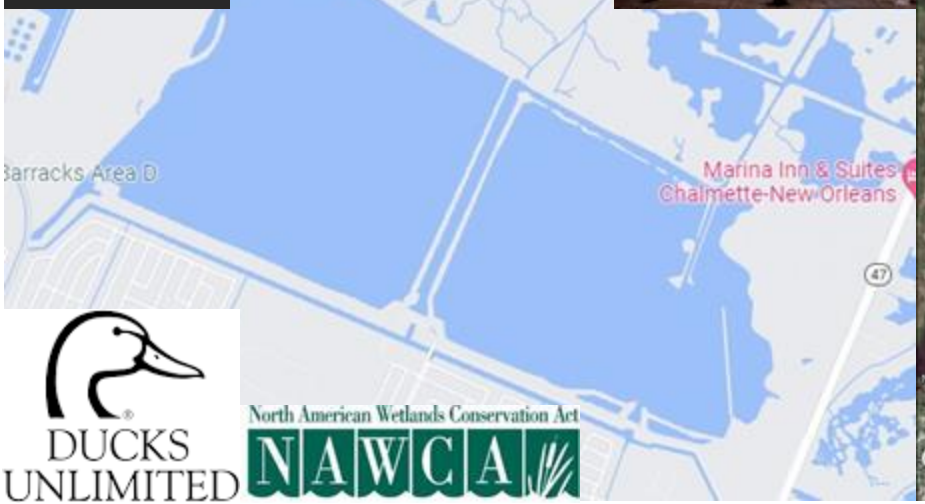
The rise of Central Wetlands Reforestation Collective


Central Wetlands Reforestation Collective 2/21/25: Bayou Bienvenue
[Common Ground Relief, Meraux Foundation, CSED]
N
Trees Planted to date: 6,408
Grasses Planted to date: 7,000
Arabi
Paris Rd
Pontchartrain Conservancy
CPRA
NOAA

1-2 miles wide and 3 ft. depth/Multiple funding sources

the MERAUX FOUNDATION

COASTAL DIVISION
ST. BERNARD PARISH

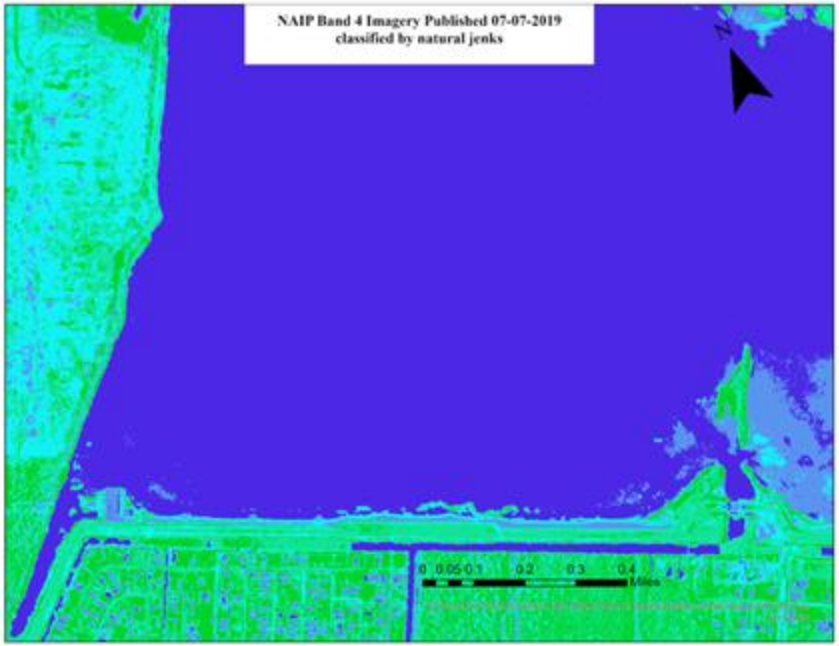


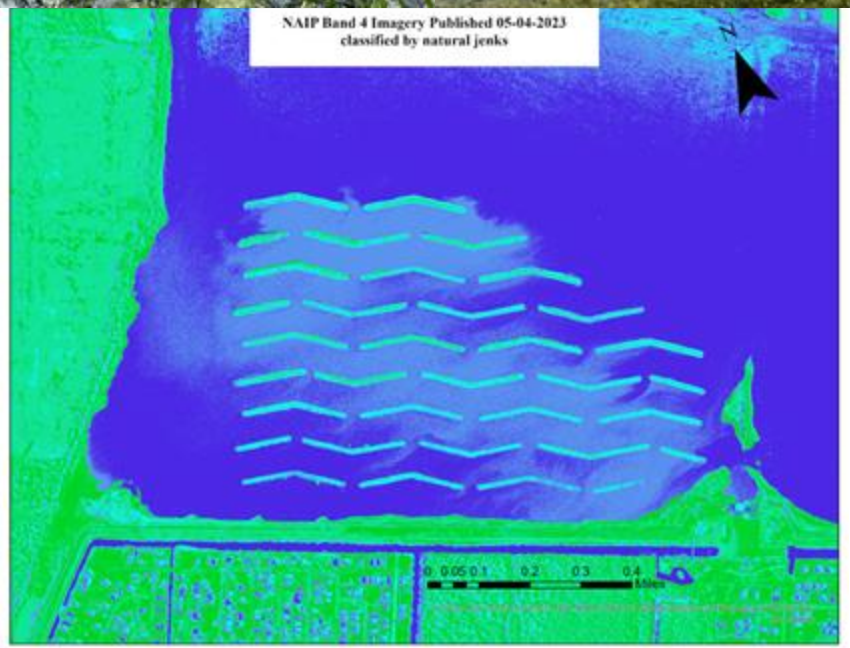
DUCKS UNLIMITED

North American Wetlands Conservation Act
NAWCA

Construction and goals

Submersed Aquatic Vegetation





Woody plants:







Cypress, Tupelo, Red Maple, Green Ash, Button Bush, Black Willow and Lead Plant

Grass/Pollinators plants:



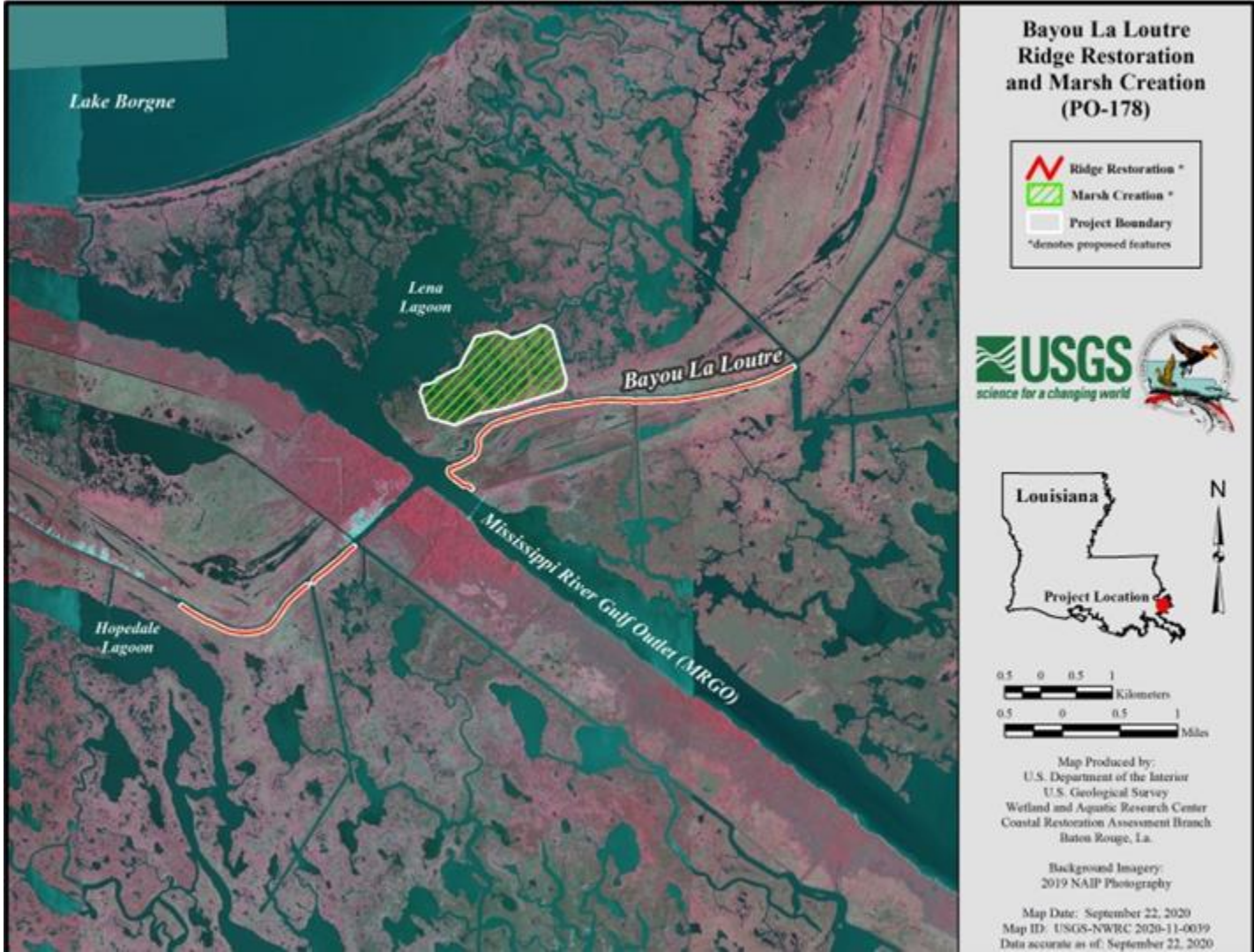




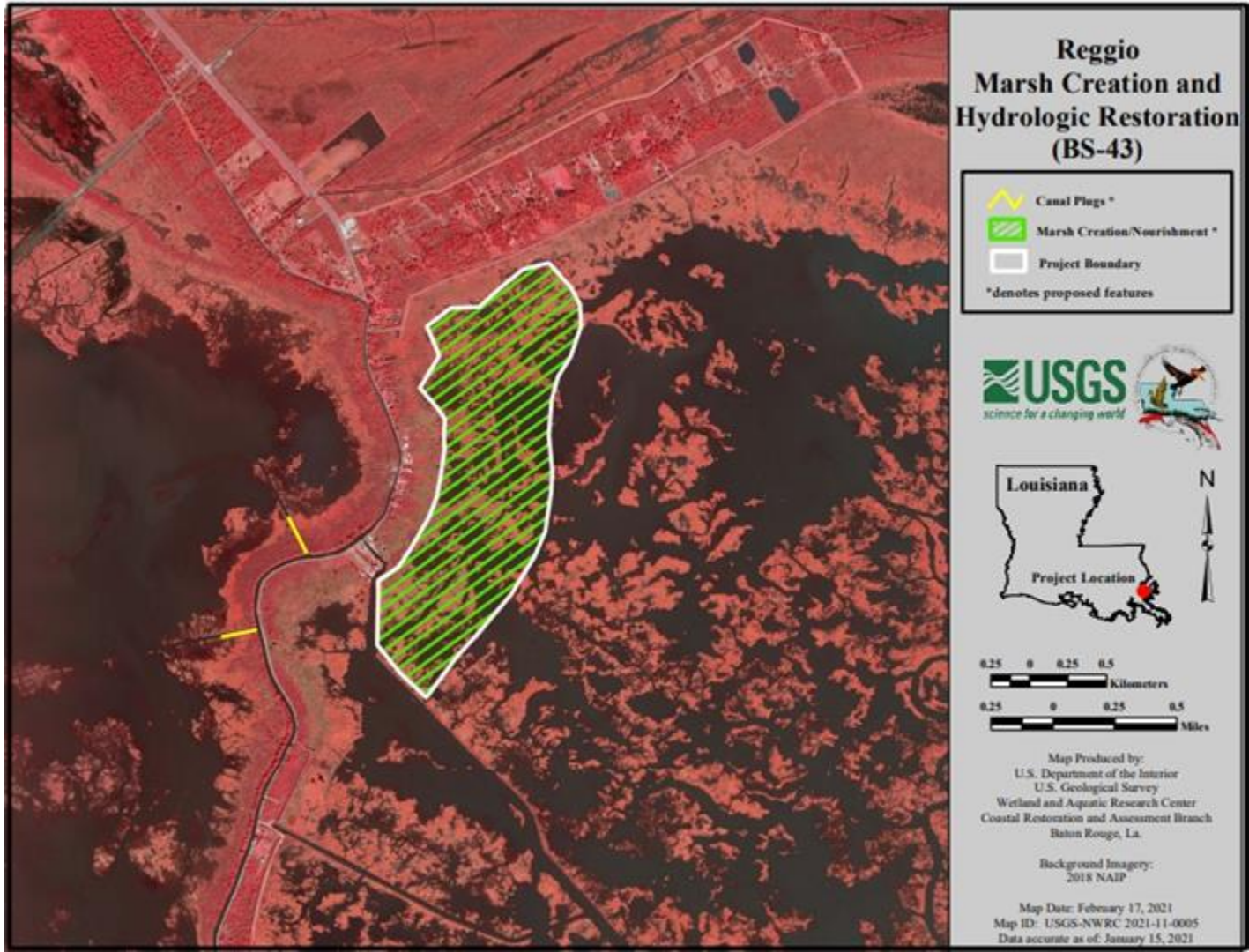

Bulrush, Giant Cutgrass, Sawgrass, Bulltongue, Swamp Sunflower, Pickerel Weed, American Lotus, Louisiana Iris

CWPPRA dredge projects

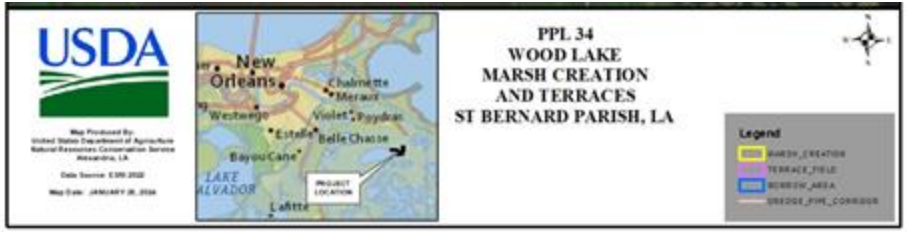
Bayou La Loutre Ridge Restoration and Marsh Creation

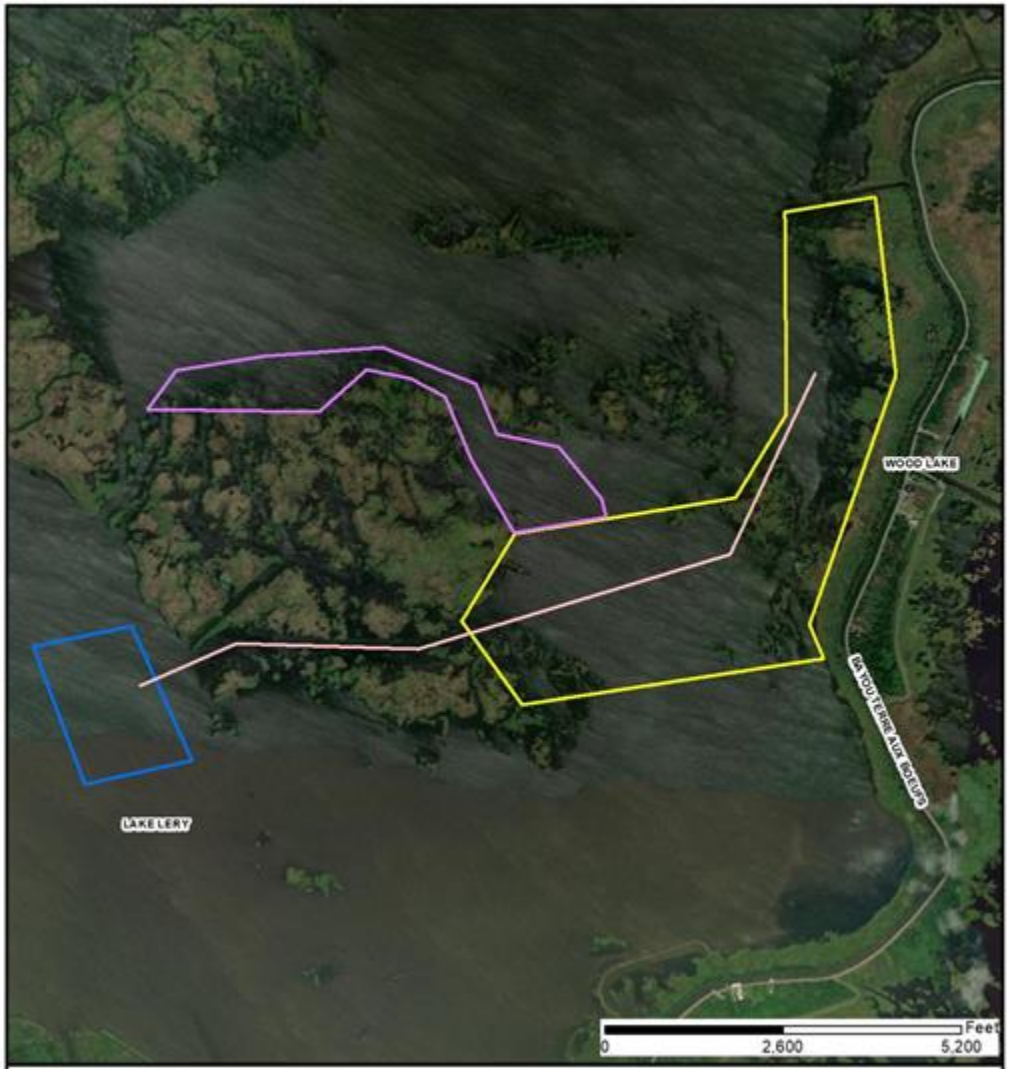


Reggio Marsh Creation and Hydrological Restoration



Woodlake Marsh Creation and Terraces





Reggio West Marsh Creation and Hydrological Restoration


Questions?