D
LAKE BOUDREAUX LIVING MITIGATION

LA SAFE
Louisiana's Strategic Adaptations for Future Environments

2015 / **1990**
The project site is within the wetland area circled in red
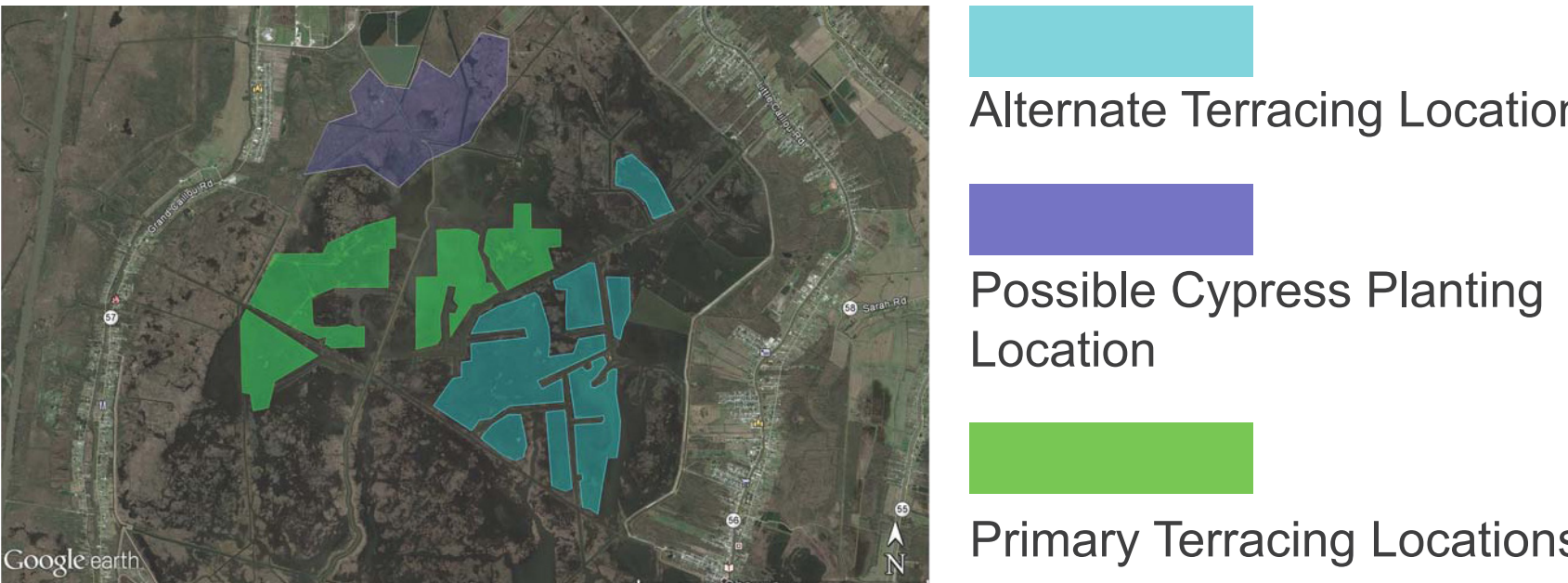
Alternate Terracing Locations
Possible Cypress Planting Location
Primary Terracing Locations
Potential Project Area and Layout

Precedent image of coastal restoration

Precedent image of duck wing terraces

Precedent image of Four-Mile Terracing in Vermillion Bay, LA

Original image courtesy of LSU Coastal Sustainability Studio, edits by Waggonner & Ball

Aerial View
Vegetated terraces create marshland and reduce storm surge impact

Precedent image of wetlands as natural habitat

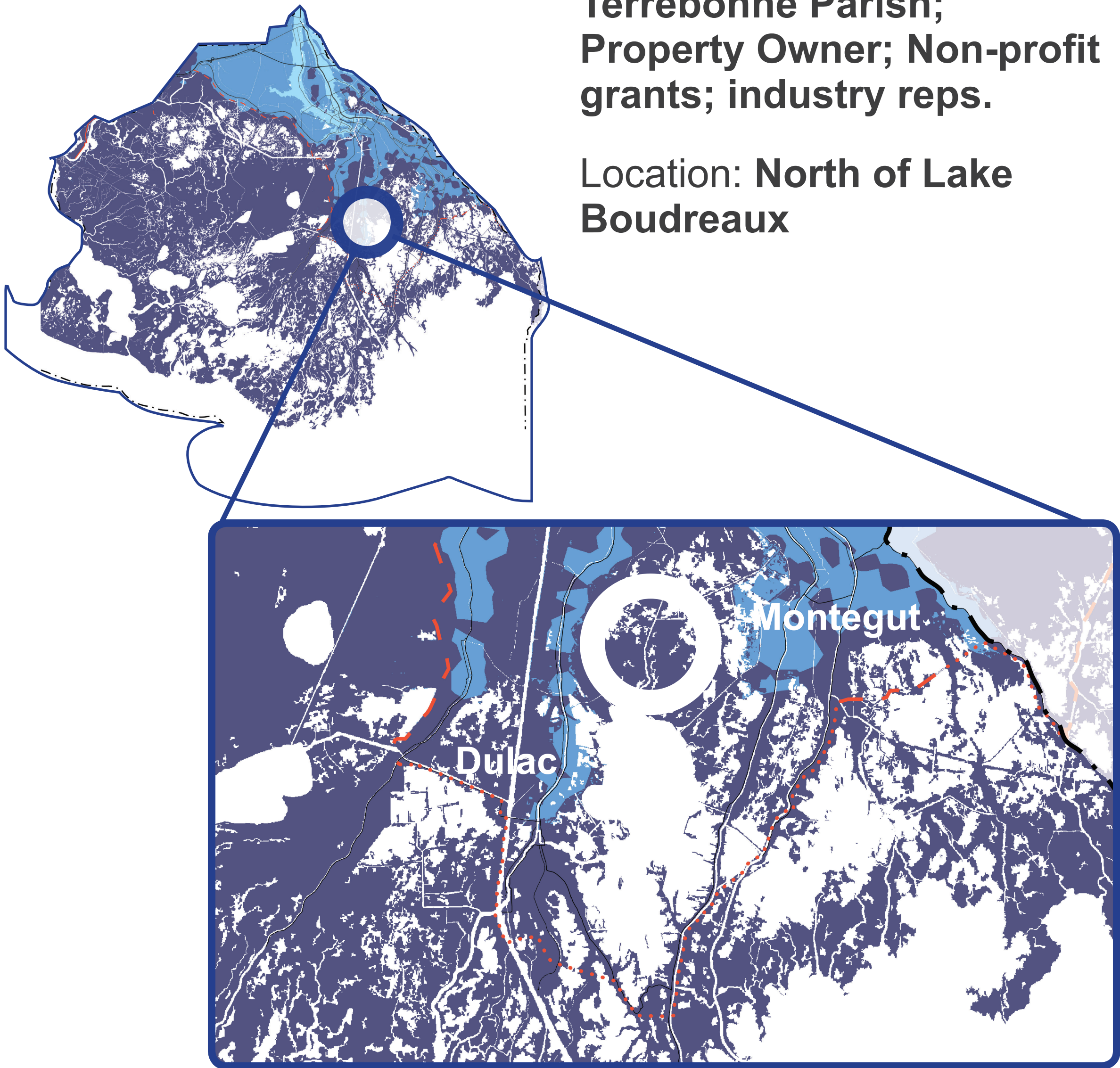Precedent image of recreational fishing

Precedent image of duck hunting in wetlands
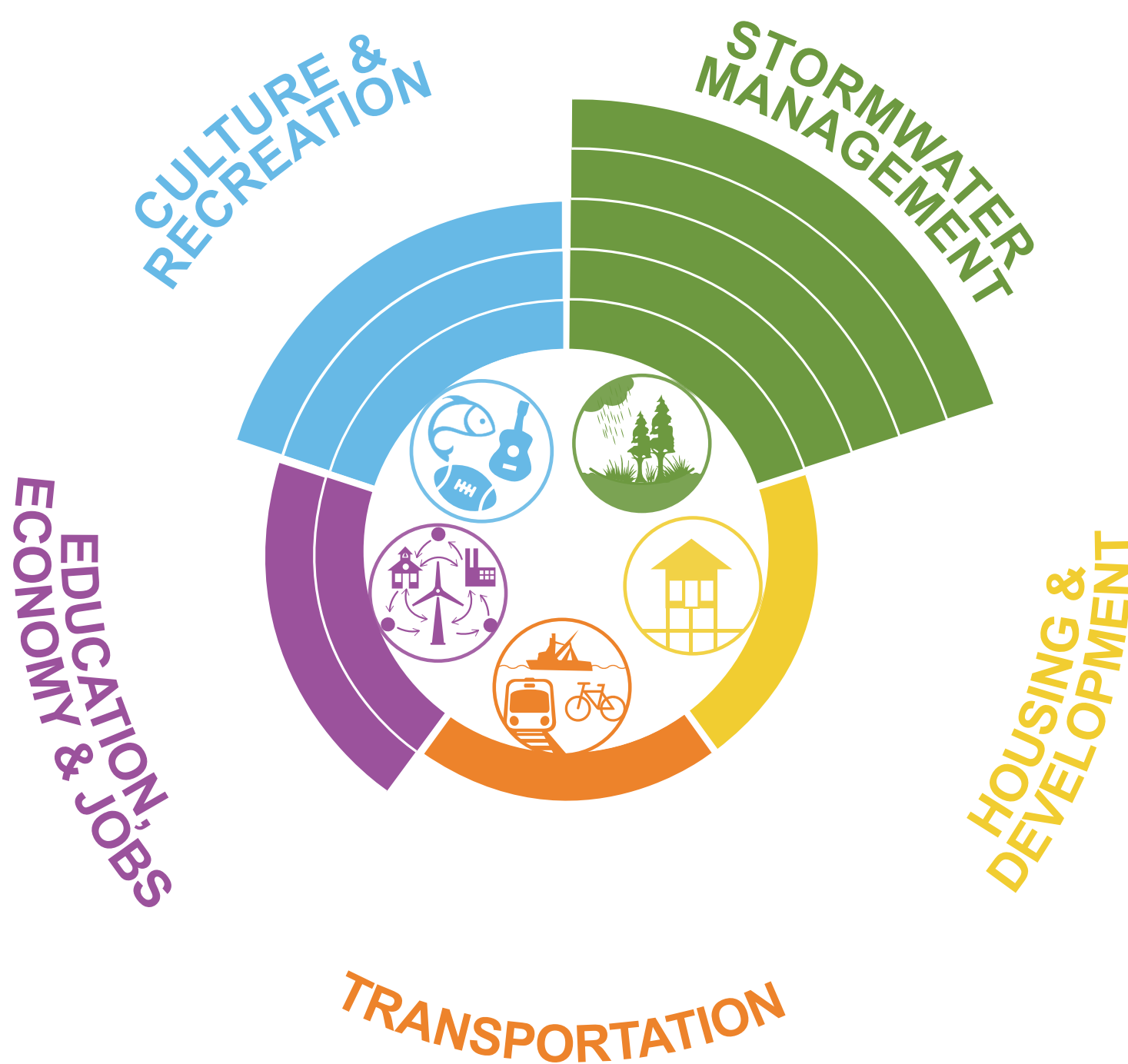
PROPOSAL

In thinking through a future with increasing flood risk, it will be important to employ what is known as a 'multiple lines of defense' approach. The living mitigation terraces create over 300 acres of terraces and marshlands within the Morganza to the Gulf protection system that will assist in reducing the impacts of storm surge for residents and businesses, as well as protecting Terrebonne's infrastructure. The terraces also have environmental benefits such as enhancing submerged aquatic vegetation growth, restoring habitats, and trapping suspended sediments generated by wind and wave action.

Key Info

Project Area	**1235 acres / 300 acres of created marsh**
LA SAFE Investment	**Approx. $2 million**
Estimated Project Cost	**$10 million**
Partners	**Terrebonne Levee & Conservation District; Terrebonne Parish; Property Owner; Non-profit grants; industry reps.**

Location: **North of Lake Boudreaux**

Montegut
Dulac

Community Benefits

CULTURE & RECREATION
STORMWATER MANAGEMENT
EDUCATION, ECONOMY & JOBS
HOUSING & DEVELOPMENT
TRANSPORTATION

The terraces produce marshlands and reduce storm surge, wave fetch, and turbidity. The project also traps suspended sediments generated by wind and wave action.

Protects residences and businesses from storm surge.

Protects roadways and infrastructure from storm surge.

Provides educational example of the value of wetlands and marshlands and habitat diversity.

Enhances submerged aquatic vegetation growth, providing resting and nesting habitat for avian life and the American alligator to support birding and tourism industries.

COMMENTS