

Terrebonne Biodiversity and Resiliency Projects - *at Point Aux Chenes*

Scope:

- 100 acres
- 300 trees per acre
- 30,000 restorative cypress trees
- 5 years monitoring
- 3 invasive species treatments

Restoration of historic Cypress-Tupelo Swamp habitat through vegetative plantings and invasive species management. Invasive management and Cypress Swamp plantings will rehabilitate areas of the WMAs to its historic state.

Reportable and Measurable:

- 5 year of monitoring Monitoring Reports and Aerial Mapping
- Drone Flights Pre & Post – Annually to demonstrate project success

Wetlands Restoration:

Economic Value of \$792,700 per year

CO₂ Sequestration:

153 to 168 tons per year

Water Quality Nutrient Elimination:

Phosphorus: Approx. 178 pounds removed per year

Nitrogen: Approx. 7,135 pounds removed per year



BHP



Terrebonne Biodiversity and Resiliency Projects - *at Bayou Terrebonne*

Scope: Design, permit, construct, plant, and monitor for 5 years post-construction

- 25 acres
- 11,871 linear feet of Marsh Terraces
- 5,000 Restorative cypress trees
- 35,000 Marsh grass plugs

Community Outreach Aspect: Protection of citizens in Chauvin, Montegut, Bourg, Houma by external protection and stabilization of levee system. Opportunity for nearby schools and communities to be educated on the need for resiliency projects in the area.

Five years of Monitoring to ensure stabilization and establishment of marsh and cypress species within the project area. Replanting will occur within project area to ensure success

Reportable and Measurable: Annual Monitoring Reports and Aerial Mapping with Drone Flights Pre & Post to demonstrate project success

Site Disposition Options:

- Donation of site to State of Louisiana LDWF: PAC WMA
- Donation of site to USFWS: Rockefeller WMA
- Donation of site to City of Chauvin or City of Houma
- Long term stewardship by U.S. Land Conservancy

Wetlands Restoration:

Economic Value of \$380,496 per year
(48-acre project area includes accretionary area between terraces)

CO₂ Sequestration:

111 to 114 tons per year

Water Quality Nutrient Elimination:

Phosphorus: Up to 85 pounds removed per year
Nitrogen: Up to 3,426 pounds removed per year

BHP



Many fishermen and duck hunters in coastal Louisiana have discovered ample game near terracing projects. Here's why:

1

Along terrace edges, fish and crustaceans find food and nursery habitat and attract the larger fish that feed on them.

2

Marsh grasses on terrace slopes provide nesting cover for waterfowl, while woody vegetation atop terraces offers resting perches for migratory birds.

3

Ducks feed on the submerged aquatic vegetation that often grows along terrace edges.

