

# Lake Leary to Lake Borgne Marsh Restoration Project

Plaquemines and St. Bernard Parish, LA



## Owner

Colonial Pipeline/C.H Fenstermaker

## Point of Contact

Daniel Dehon, MS, P.E.  
225-344-6701

## Completion Date for Professional Services

N/A

## Completion Date for Construction

N/A

## Project Disciplines

- ◆ Asset Management
- ◆ Civil Engineering Services
- ◆ Coastal Services
- ◆ Construction Phase Services
- ◆ Green Infrastructure
- ◆ Planning and Assessments
- ◆ Program Management
- ◆ Project Management
- ◆ Water Resources

## General Scope of Project

Colonial Pipeline Company (Colonial) replaced approximately eight miles of 20-inch pipeline due to anomalies that have developed over time between Lake Leary and Lake Borgne in Plaquemines and St. Bernard Parish, Louisiana. Due to unstable/fluid soils, construction activities, storm events and environmental conditions, approximately 7 acres of marshland were unable to be returned to its original elevations. As a result of their actions, Colonial agreed to propose methods to restore and create healthy marsh utilizing imported sand fill material at the request of the property owners and to comply with existing permit conditions.

The project consists of building approximately 3,000 linear feet of Lake Rim Embankment and 4,000 linear feet of containment dikes and hydraulically dredging approximately 250,000 cubic yards of material to replenish the marsh. As a subconsultant to C.H. Fenstermaker, Wingate Engineers was tasked with performing construction management and resident inspection services.



Wingate's Resident Inspector attends daily health and safety meetings before traveling to the project site by boat. The inspector is responsible for documenting contractor's daily quantities and updating C.H. Fenstermaker (Engineer on Record) on the contractor's progress. This is done by submitting inspection reports through a cloud-based platform (SharePoint). The inspector is also responsible for taking relevant photos and identifying any OSHA violations.

