T. BAKER SMITH
A CENTURY OF SOLUTIONS

COASTAL

Rapid wetland loss and the increased frequency of flooding threaten the existence of our coastal communities and culture. As industry leaders, T. Baker Smith provides solutions that balance the need for coastal restoration and flood protection. Both strategies are vital to enhancing and securing coastal shorelines to protect the communities within them. This critical synergy is our "Solution for Survival." Our project teams bring an urgency to these efforts with integrated project plans that are designed to expedite regulatory coordination and develop and restore ecosystems.





COASTAL SOLUTIONS

+ Coastal Planning and Surveying
- Topographic and Bathymetric Surveys
- Coastal Boundary Surveys
- Alternatives Analyses
- Dock Draft Monitoring Surveys

+ Coastal Engineering
- Shoreline Protection and Coastal Structures
- Dredging and BUDM for Marsh Restoration
- Hydrodynamic Monitoring
- Numerical Modeling

+ Environmental Surveys and Permitting
- Wetland Delineations
- Wildlife and Habitat Surveys
- Regulatory Permitting

+ Construction Administration

PROJECT TYPES

+ Flood Protection
- Flood Gates/Structures
- Levees
- Pump Stations
- Forced Drainage Systems

+ Coastal Restoration
- Marsh Creation
- Beach Nourishment
- Freshwater Reintroduction
- Marsh Terracing
- Shoreline Protection

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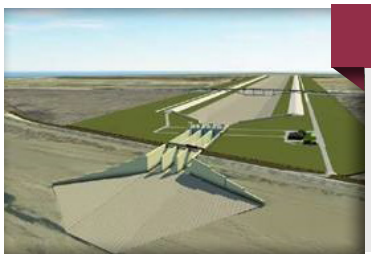
COASTAL EXPERIENCE

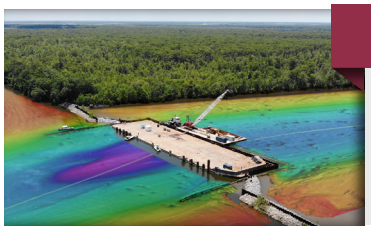
Bayou DeCade Restoration

The Bayou DeCade Ridge and Marsh Creation (TE-0138) project consists of creating approximately 473 acres of marsh between Bayou DeCade and Turtle Bayou and refurbishing approximately 11,133 linear feet of ridge habitat along the northern bank of Bayou DeCade. Sediment to create the marsh habitat will be dredged from Lake DeCade. The earthen material to refurbish the existing ridge will be obtained from Bayou DeCade. TBS' services for the project include construction administration and inspection services (resident project representation) and as-built drawings.



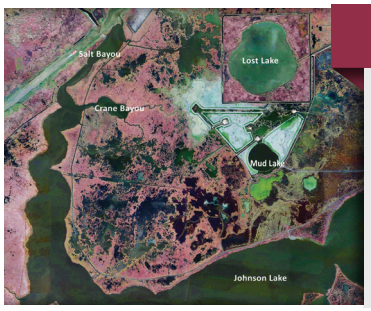
Mid-Barataria Sediment Diversion Project (BA-153)

The Mid-Barataria Sediment Diversion Project (BA-153) has been identified as a large-scale, long-term restoration project recommended for implementation in Louisiana's Comprehensive Master Plan for a Sustainable Coast. The Project is the largest, proposed sediment diversion that will reconnect the Mississippi River to the Barataria Basin. TBS is providing the following services: Magnetometer surveys; Mississippi River Sediment Monitoring Surveys; Mississippi River Levee Tie in Floodwalls; NOV Levee Tie in; LA 23 Floodwalls; Wing Wall Design (Intake); Outfall Channel Design; Utility Relocation Coordination; Beneficial Use of Excavated Materials; and MBSD Monitoring Plan.



Bayou Chene Flood Control

The project consists of levee alignments and water control structures on Bayou Chene to mitigate backwater flooding at times of high water in the Mississippi and Atchafalaya Rivers. TBS was responsible for preliminary engineering design, including: Initial site inspection; Topographic surveys; Multi-beam bathymetric surveys; Pipeline surveys; Engineering drawings; Cost estimates; Geotechnical oversight; Permit acquisition; Right-of-way mapping; Landowner coordination; Wetlands delineation study; Agency coordination; and Project administration.



Port Arthur LNG Beneficial Use of Dredged Material

Port Arthur LNG, LLC (PALNG) is planning and constructing a natural gas liquefaction and export terminal near the City of Port Arthur, Texas. PALNG proposes to dredge the turning basin and berthing area for the facility and use the dredged material beneficially for the restoration of 1,300 acres of nearby subsided coastal marsh. TBS is providing engineering design services, including tidal datum analysis, marsh inundation analysis, healthy marsh elevation analysis, and sea level rise analysis. Engineering and design also include fill area cell design, earthen containment dike design and construction fill area design. TBS is also performing permitting services, topographic, bathymetric, and magnetometer surveys, and magnetometer anomaly investigation surveys. TBS executed full data collection and 100% design on budget and on schedule for an accelerated timeline of 8 months to meet the client needs.

Terrebonne Oyster Bed Surge Protection System

TBS is providing coastal engineering services for the design and permitting of the Terrebonne Oyster Bed Surge Protection System Project. TBS has been tasked with collecting survey, environmental, and habitat data along the approximate 3.5 miles' shoreline of the proposed Project. Shoreline protection for the Project is located at two sites. Site 1 is approximately 1-mile-long across the north bank of Lake Chien, and Site 2 is approximately 2.5 miles along the northern bank of Lake Tambour. TBS will use this data to analyze coastal processes, prepare engineering plans, and supporting environmental documents and permit applications for the Project.

LOCATIONS

Lafayette, Louisiana	337.735.2800
Baton Rouge, Louisiana	225.744.2100
Thibodaux, Louisiana	985.446.7970
Covington, Louisiana	985.302.0730
Metairie, Louisiana	504.323.3460
Houston, Texas	281.240.0113
Corpus Christi, Texas	361.334.5719
Galveston, Texas	409.220.1669
Jackson, Mississippi	985.868.1050

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