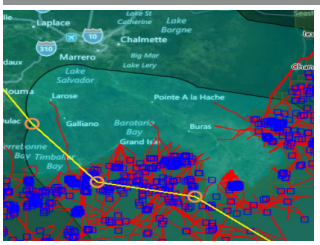
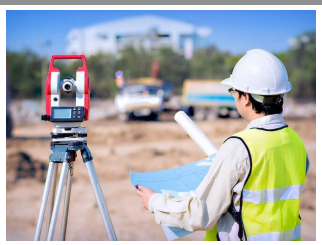
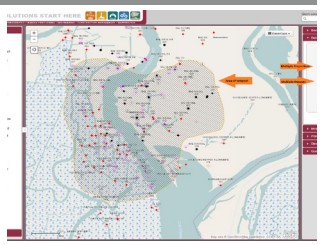
T. BAKER SMITH
A CENTURY OF SOLUTIONS

GIS/MAPPING

T. Baker Smith, LLC (TBS) introduces its Client History Information Portal Solution (C.H.I.P.S.), a complete data management tool designed to assist clients in the administration of assets. Hosted by TBS, the GIS-based solution consists of the implementation, configuration, and maintenance of updated, accurate records, which is accessible to authorized users via a web-based portal. By managing a project's data in one place, this dynamic resource can manage, track, and store data to allow each project phase to be run more efficiently.





GIS/MAPPING SOLUTIONS

+ Custom Solutions

- Data Conversions
- Data Integration
- FME Workspace and Server
- Software Development

+ Visual Reference of Data/Records

- As-built Survey Data and Drawings
- Decommissioning Documentation
- Environmental Permits
- Initial Construction Drawings
- Integrity/Assessment Management
- Inspection Records
- Landowner Information
- Maintenance Records
- Maps and Plats
- Right-of-way Agreements

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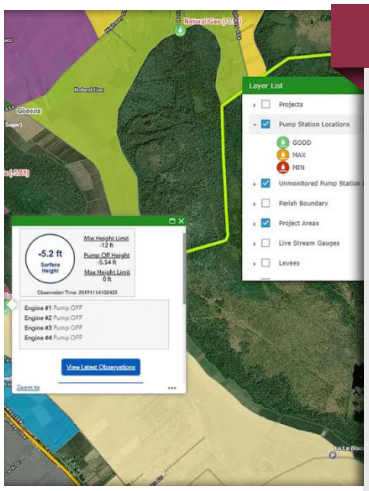
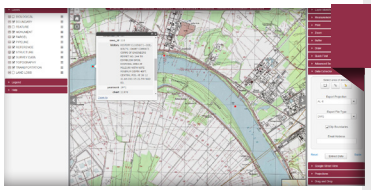
GIS/MAPPING EXPERIENCE



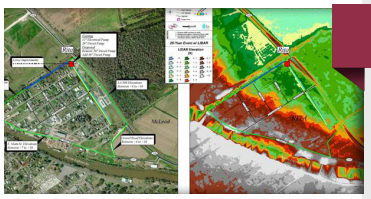
Pump Station Monitoring

To modernize existing pump station infrastructure, TBS designed a non-invasive physical self-contained, self-powered, weatherproof, and connected monitoring system to keep you informed of current and historical pump station events. Having easy insights to high quality visuals and accompanying data is crucial to local governments and water districts when analyzing and making strategic decisions that incorporate pump station operation and maintenance. To meet this need, TBS offers a series of highly customizable reports to view current and past historical pump station information. The reports are accessible via a series of secured user-friendly dashboards which can be filtered or queried for further analysis. Required personnel can access these dashboards anywhere with an established internet connection providing them with real time pump station observations. TBS developed API web services and data integration components to make integrating into existing GIS applications simple. The GIS integration allows users to spatially view real-time pump station observations integrated into their current GIS systems. Stakeholders can quickly navigate to areas that may need immediate attention while leveraging their current GIS information without switching between multiple applications. If you have no existing GIS platform, TBS can help implement GIS solutions that fit your operational needs. This is an American Council of Engineering Companies (ACEC) ***award winning project*** and is currently patent pending.



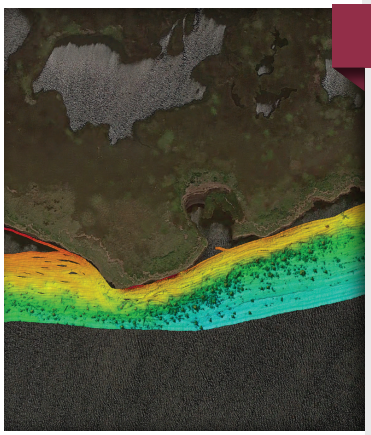
North Lafourche Levee District GIS Portal

Working within a limited budget, TBS is designing and hosting a GIS Portal available for the North Lafourche Conservation, Levee and Drainage District (NLCLDD) to access various data. Initial layers for the online portal include a LSU Atlas LIDAR Data and DNR Pipeline Database. Upon receipt of the records from the client, tax assessor records will be uploaded to the database (after launch of portal).



Lafourche Parish Master Drainage Plan

The main objective of The Lafourche Parish Master Drainage Plan was to research available information and receive public input to develop computer models that represent the “backbone” of forced and gravity drainage systems to help the Parish plan future drainage improvements. Major tasks discussed include public outreach, gathering new data, existing and proposed conditions modeling, GIS inventory, and review of existing ordinances.



Biloxi Marsh Living Shoreline Project

TBS is provided project control, topographic, bathymetric, hydrographic, magnetometer, and underwater obstruction surveying services for this project along with magnetic anomaly probing investigations. TBS is a sub consultant to Mott McDonald (MM) providing these data collection tasks in support of the design of this project. TBS also provided surveying services for the design of PO-0148, which was the original project. TBS is also collecting wave and WSEL data. TBS is deploying wave gages on the protected and unprotected sides of the different types of oyster breakwater structures constructed for the PO-0148 project. These gages collect raw wave data that is processed to determine water period. TBS is also deploying additional gages to collect WSEL data at the project. Several innovative surveying techniques are being utilized on this project to support the design process. The project area has multiple sunken stumps which is difficult to identify using standard surveying techniques. The multibeam echosound survey is able to clearly define these underwater obstructions. This project is also being flown using unmanned aerial vehicles (UAV). The UAV’s are capable of collecting high. TBS provided QA/QC of the project survey data and created GIS deliverables in accordance to client supplied specifications. Project deliverables for project consisted of formatting survey data and importing into .gdb file as per client submittal specifications.

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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Scan for more information