



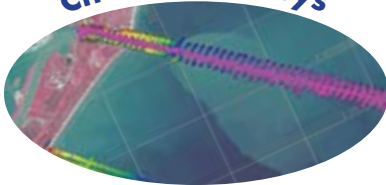
HYDROGRAPHIC SURVEYING

WHY CHOOSE FRONTIER SURVEYING?

Frontier Surveying Company provides professional land surveying, hydrographic surveying, and mapping services all over Texas. With 28 years of solid project history, our qualified professional staff takes pride in providing superior service to our clients.

Let us put our experience and expertise to work for you!

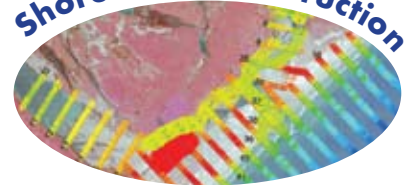
Channel Surveys



Wells & Pipelines



Shoreline Reconstruction



SERVICES INCLUDE:

- Deep Draft Channel Surveys
- Shallow Draft Channel Surveys
- Dredge Support
- Ebb and Flood Shoal Surveys
- Surf Zone / Transition Zone
- Erosion / Shoreline Monitoring / Beach Nourishment
- Upland Surveys for Design
- Dock Clearance
- Tow-Out Support
- Submerged Hazard Location / Identification
- Data Collection for Marine Archaeological Surveys
- Oil & Gas Well Staking
- Pipeline As-Built, Location, & Staking

EQUIPMENT:

- Dual Frequency Echo Sounders
 - Odom DF3200 (24 & 200 kHz)
 - Innerspace 456XPe (24 & 200 kHz)
- Heave Compensator - TSS DMS-05
- Velocimeter - ODOM Digibar Pro
- Side-Scan Sonar - Imagenex Triple Frequency 260/330/820 kHz
- Cesium Magnetometer - Geometrics G-882
- GPS & GNSS RTK - Trimble R8-GNSS
- Gradiometer - SubSurface Instruments, Inc. Magnetic Underwater Locator
- Multibeam - Imagenex Delta T

STANDARDS:

Frontier Surveying follows the US Army Corps of Engineers Hydrographic Surveying Manual for procedures, quality assurance, & quality control:
EM 1110-2-1003

CERTIFICATIONS:

HUB Certification VID #1760375630900
DBE Certification #082804

MEMBERSHIPS:

APSG - Americas Petroleum Survey Group
TSPS - Texas Society of Professional Land Surveyors
THSOA - The Hydrographic Society of America

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