

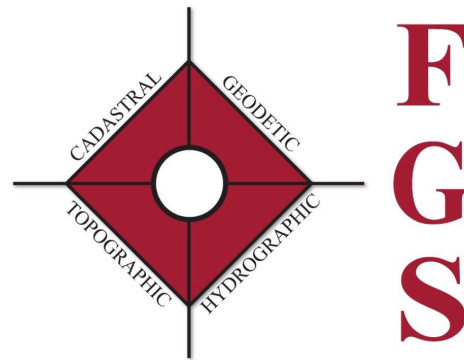
FGS Surveyors (fka: Florabama Geospatial Solutions, LLC) is an SBA HUBZone Certified Small Business Surveying & Mapping Firm with roots dating back over 80 years.

In January of 2018, Wayne Walker - founder and CEO of **FGS**, acquired and merged with GCT's Government Division, Inc. Then, in February of 2018, in order to strengthen resources and broaden **FGS'** nationwide foot-print, **FGS** acquired Riggs & Associates, Inc. located in West Plains, MO. **FGS'** Principal members have more than 125 years combined experience dating back to the late 1970's.

Today **FGS** is one of the more versatile surveying and mapping firms of its kind in Northwest Florida and South Central Missouri, specializing in the services such as **hydrographic surveying** using multi-beam and other state of the art equipment; ground control for all types of aerial data collection; construction stake-out with conventional and robotic total stations; high order static, PPK and RTK GPS; all types of **boundary surveys** and both mobile and terrestrial scanning.

We perform these services for private, state and federal clients across the United States. Our goal is to always provide a high-quality product for a reasonable price in a timeframe that meets the client's needs. All surveys are prepared in accordance with applicable Survey and CADD standards, and all survey parties are under the direct supervision of a licensed land surveyor responsible for reviewing survey data on a daily basis.

FGS Employs Four Professional Land Surveyors, as well as a Surveyor in training (LSIT), a Certified Hydrographer, Two Certified Federal Surveyors (CFedS), multiple FAA Certified Remote Pilots and numerous Certified Survey Technicians at varying levels of certification. Our personnel have worked in 38 States across the country, in addition to Puerto Rico and Haiti.



COMPANY SNAPSHOT

Government Business POC:

Wayne Walker - PLS, CFedS, CEO
Wayne.W@FGS-Surveyors.com

DUNS: 080950790

CAGE: 80DM3

Offices in FL and MO

www.FGS-Surveyors.com

FGS employs Professional Land Surveyors Registered in AL, AR, CO, FL, GA, IL, KS, KY, LA, MS, MO, NE, NC, OH, OK, SC, SD, TN, TX, VA & WV.

NAICS CODES: 541370, 541360

FGS is part of a **Mentor/Protégé** and various **Joint Ventures** that carry registrations in 46 states along with Puerto Rico and the US Virgin Islands.



C E R T I F I E D

Florida Office:

1184 C Circle Dr. DeFuniak Springs, FL 32435

Missouri Office:

1390 Bill Virdon Blvd. West Plains, MO 65775

Phone: 833-787-8627

Fax: 417-256-6971

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AREAS OF EXPERTISE

Boundary/Cadastral

We perform all types of boundary surveying services. These services include boundary surveys from the small mortgage survey to a several thousand acre tract for both the private sector and numerous federal agencies.

Bathymetric/Hydrographic

Our hydrographic services include single beam (single and dual frequency), multibeam, magnetometer, side scan sonar, sub-bottom profiling and blueview scanning. These services are performed on platforms varying in size from ± 100 Vessels to 6' long, remote controlled boats.

Planimetric/Topographic

Like our boundary services, we perform topographic services on various sized projects. These surveys consist of pre and post design as-builts, volumes for payment and many more.

Geodetic/GPS

These services include new control monument installation, high order static GPS observations & digital leveling, blue-booking, OPUS Projects, RTK GPS using conventional & VRS base stations.

Mobile/Terrestrial Scanning

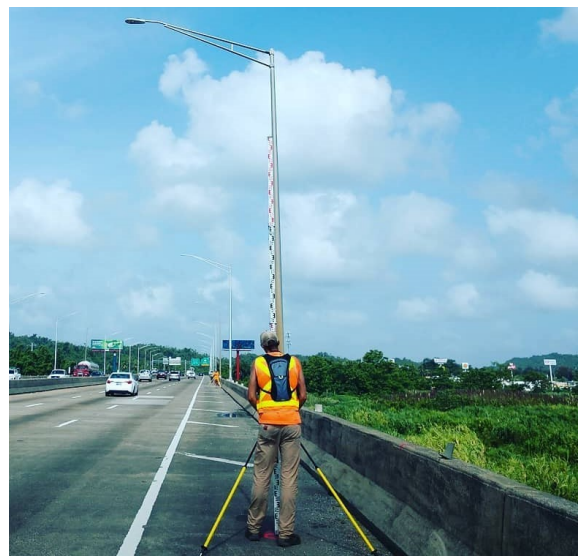
FGS maintains the latest technologies such as high definition scanning. We use mobile scanning from platforms such as normal vehicles; various sized ATV's and boats.

Mean High Water/Riparian

Mean High Water Line Surveys are a common practice when you have an office located in a coastal county. These surveys are often tied to Riparian Rights issues as well.

UAS Capabilities

FGS utilizes drones and fixed-wing platforms for projects including orthophotography, plan/topo, construction monitoring, volumetric, as-built, and asset management of small to medium sized sites.



Current Federal and Large Commercial Clients



US Army Corps
of Engineers®



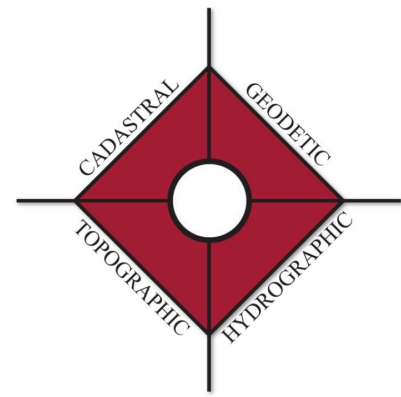
FGS Hydrographic Surveying Capabilities

Our in-house Certified Hydrographer and Technicians use the latest equipment and technology to perform high resolution hydrographic surveys. We utilize a variety of tools and skills to produce the detailed data you need to make informed decisions.

Our ability to verify data from scanning sonar or multibeam surveys is a key tool in the in-house capabilities of FGS. In addition, our hydrographic surveyors use real-time kinematic (RTK) positioning to broadcast to survey vessels, achieving centimeter-level vertical and horizontal accuracies. When remote geographic locations make this impossible, we use software to post-process the data to the same tolerances as RTK.

Our certified hydrographer and techs consult on a variety of dredging related issues, including preparation of specifications, pre- and post-dredging surveys, monitoring of siltation rates, volume calculations for payment quantities, and assistance in obtaining required local, state and federal permits.

These services are performed on platforms varying in size from ±100 Vessels to 6' long, remote controlled boats.



FGS

COMPANY SNAPSHOT

Hydrographic POC:

David Ham - Certified Hydrographer

Hydrographic Vice President

David.H@FGS-Surveyors.com

DUNS: 080950790

CAGE: 80DM3

www.FGS-Surveyors.com

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BATHYMETRIC/HYDROGRAPHIC SERVICES INCLUDE

Mean High Water/Riparian

Mean High Water Line Surveys are a common practice when you have an office located in a coastal county. These surveys are often tied to Riparian Rights issues as well.

Multibeam Hydrographic Surveys - Good for collecting depths in mid- to deep-water columns, multibeam hydrographic surveys can serve two purposes: berth clearance and condition surveys.

Dual-Frequency Single Beam Surveys - We use dual-frequency single beam surveys to determine water depth by measuring the travel time of a short sonar pulse, or “ping”. Hydrographic survey-grade single beam echo sounders are able to provide accurate bottom depths by distinguishing the real bottom from false readings caused by fish, debris, aquatic vegetation and suspended sediment.

Scanning Sonars - This tool is used for object detection, sending out a sound wave that reflects off objects and can be used regardless of water visibility.

Side Scan Sonars - Used for object detection, side scan sonar measures the strength of returning echoes to create an image of the sea floor.

Sub-Bottom Profiling - Using principles of seismic reflection, sub-bottom profiling can identify and characterize layers of sediment or rock under the sea floor.

ROV Operations - We utilize remotely operated vehicles (ROVs) to investigate areas where divers cannot operate safely.

Magnetometer - This instrument, used for measuring the magnitude and direction of a magnetic field, can detect magnetic anomalies beneath the surface.

These services are performed on platforms varying in size from ±100 Vessels to 6' long, remote controlled boats.





Florabama Geospatial Solutions, LLC

Equipment/Software (November 2020)

Computers

2 Dell PowerVault DP500 Server
1 Dell PowerEdge R610 Server
7 Dell various desktop PC's
2 Dell 6000 Series Precision Mobile Laptop
8 Dell 7000 Series Precision Mobile Laptop
2 Alienware 17 R3 Precision Mobile Laptop
10 iPad Air2 – Issued to all Crew/Party Chiefs

Large Format Plotter/Scanner

2 KIP 880

Copiers, Fax Machines & Scanners

2 Sharp

Software

2 Windows 2016 Professional Server
25 Microsoft Office 365
25 Adobe Pro Creative Cloud
2 Adobe PhotoShop Creative Cloud
1 SurvaLync 101.1126
5 AutoDesk AutoCAD Civil 3D (Latest Version)
2 Bentley Open Roads Designer
1 Bentley Context Capture
1 Bentley Descartes
5 Carlson Desktop
3 Hypack/Hysweep (latest version)
1 Chesapeake Sonar-Wiz (Side Scan Processing)
1 ArcGIS 10
2 Trimble Business Center
4 Tripod Data Systems Survey Link 7.3.0
2 Tripod Data Systems Foresight DXM

Robotic Total Stations and Lasers

1 Leica TRCA 1103 Plus Robotic
1 Trimble S8 High Precision Robotic
1 Trimble S6 Robotic
2 Trimble S5 Robotic
1 Trimble VX Robotic
1 Trimble 5600 Robotic
1 Topcon QS3R Robotic
1 Laser Tech Impulse 200 LR Laser w/1-4x Hakko
Scope, MapStar Compass Module and GPS
Antenna Mount
1 Riegl FG21-LR LaserTape Laser

Conventional Total Stations

2 Topcon CT-3000 Series Reflectorless
2 Nikon DTM352 Reflectorless

Digital Levels

1 Topcon DL-101 w/2 Topcon Invar Rods
1 Trimble DiNi03 w/2 Zeiss Invar Rods

Automatic Levels

2 Topcon AT-F6
2 Topcon AT-G6
1 Lietz B2A

Global Positioning Systems (GPS)

1 Trimble R8 (5800) Dual Frequency
1 Trimble R8-2 GNSS Model II Dual Frequency
1 Trimble 5700 Dual Frequency
7 Trimble R7 GNSS Dual Frequency
6 Trimble R10 GNSS Dual Frequency
2 Topcon GR-3 GNSS Dual Frequency
2 Topcon Hiper-II GNSS Dual Frequency
1 Trimble DSM232 Dual Frequency
2 Intuicom RTK Bridge
8 ADL/TDL 35-Watt RTK Radio
8 SECO Fixed Height Tripod (1.5, 1.8 or 2.0)
6 Protective, Hard Shell GPS Tripod Cases
4 SECO Range Pole w/Bipod (2.0m)
2 Pacific Crest Radio Antenna Extension Tripod
4 Lock Boxes

Data Collectors

6 Trimble TSC7 w/Radio & Trimble Access
2 Trimble TSC3 w/Radio & Trimble Access
2 Trimble TSC2 w/Radio & Trimble Access
1 Trimble TSCE w/Radio & Surveyor Controller
2 Carlson Surveyor





Florabama Geospatial Solutions, LLC

Equipment/Software (November 2020)

Vehicles (all equipped with GPS Tracking)

- 5 2020 Chevy C2500HD Crew Cab 4WD
- 1 2020 GMC C1500 Crew Cab 4WD
- 1 2018 Chevy C2500HD Crew Cab 4WD
- 1 2016 Chevy C2500HD Crew Cab 4WD (Diesel)
- 1 2016 GMC C1500 Crew Cab 4WD
- 1 2006 Chevy Suburban 4WD
- 1 2006 Ford F150 Extended Cab 4WD
- 1 2001 Ford F250 Super Duty Crew Cab 4WD
- 2 2019 Polaris Ranger 570
- 1 2016 Polaris Ranger 570
- 1 2012 Polaris Ranger
- 1 2016 Honda Rincon

Amphibious Vehicles & Boats

- 1 25' GMN Aluminum Hull w/Cabin, Twin 150hp Yamaha's, 2 3500-watt Generac Generators, A/C
- 1 25' Parker Fiberglass Hull w/Cabin, Twin 150hp Yamaha's, 2 3500-watt Generac Generators, A/C, RayMarine C80 display w/ radar and GPS
- 1 12' MonArk Aluminum Hull w/25hp Yamaha
- 1 Z-Boat Multibeam Remote Boat (Leased)

Hydrographic Equipment

- 1 Edgetech 6205 MultiBeam/Side Scan Sonar
- 1 Teledyne-Odom MB2 Multibeam
- 1 Tritech Starfish Side Scan Sonar
- 2 SBG Ekinox – D (Heading, Position, Heave, Pitch, Roll)
- 1 SBG Ekinox – A (Pitch, Roll)
- 1 Trimble SPS461 GPS w/heading
- 1 Trimble MPS865 RTK GPS w/heading
- Teledyne Odom Digibar Pro
- 1 TSS DMS3-05
- 1 Seatex MRU-H HPR Compensator
- 1 Starlink Nav Beacon
- 1 Odom Echotrac MkIII Echo Sounder
- 1 Odom Echotrac MkII Echo Sounder
- 1 Hydro I Range Azimuth System
- 2 In-SituTroll Model SP4000 (Electronic Pressure & Temperature Sensors)



Scanning Equipment

- 1 Velodyne 16 (Puck) Scanner
- 1 Leica P40 Scanner (leased)
- 1 Faro Focus 3D (leased)



Miscellaneous Surveying Equipment

- DJI Phantom 4 Pro Drone
- 10 Tripod (Various Makes and Models)
- 10 Tri-Brach (Various Makes and Models)
- 4 Triple Prism (Various Makes and Models)
- 4 Single Prism (Various Makes and Models)
- 4 12' Prism Poles (Various Makes and Models)
- 4 25' Mound City Fiberglass Level Rod
- 4 Schonstedt Magnetic Locator (Various Models)

Digital Cameras

- 4 Ricoh 500SE-W w/GPS Module & GIS Software

Field Communication

- 1 Iridium 9505 Satellite Phone
- 10 Kenwood Two-Way Radios

Airport/FAA Radios

- 1 ICOM IC-A110 (Vehicle Mounted)
- 1 ICOM IC-A6 (Hand-Held)

