

# Capability Statement



(505) 585-2550  
[info@swgeophys.com](mailto:info@swgeophys.com)  
<https://swgeophys.com>

## Core Competencies

Southwest Geophysical Consulting, LLC assists government agencies in their mission to provide early warning for sinkhole collapse, prevent damage to utilities, and to locate buried resources by providing the following services:

- Geologic and Karst Consulting Services
- Electrical Resistivity Imaging (ERI)
- Ground Penetrating Radar (GPR) Surveys
- 3D Handheld LIDAR
- UAV Photogrammetry
- UAV Magnetometry
- Thermal Imaging
- Karst Survey for Environmental Assessment
- Karst Hazard Assessment and Mitigation
- Void and Sinkhole Detection
- Cave Location and Mapping (2D & 3D)
- Abandoned Mine Mapping (2D & 3D)
- Archeological Support Services
- Underground Utilities Location
- Depth to Bedrock Determination
- Depth to Water Table Determination
- Underground Storage Tank Locates
- Program and Project Management

## Past Performance

Bureau of Land Management  
National Park Service  
US Postal Service  
New Mexico State Land Office  
Permits West Inc.  
SWCA Environmental Consultants  
Exxon-Mobile Upstream Research  
Matador Resources  
Devon Energy  
Green Environmental Management  
Terracon Inc.

## Differentiators

- Targeted use of UAVs in karst mapping, photogrammetry, and magnetometry applications
- State-of-the-art, stepped-frequency, augmented reality capable GPR
- Full 3D subsurface mapping and visualization capabilities
- Every employee has extensive caving experience and is fully qualified in single-rope technique, underground mapping, and abandoned mine safety procedures
- Organizational member of the ASTM Karst Standards Group (D18.27)

## Company Data

Southwest Geophysical Consulting, LLC is a Service-disabled, Veteran Owned Small Business (SDVOSB) specializing in electrical resistivity surveys, ground penetrating radar, magnetometry, LIDAR, and thermal imaging studies to locate and map voids, utilities, and other subsurface anomalies.

DUNS: 080354190  
UEI: JRQXLK4MMW87  
CAGE Code: 7PHW9  
NAICS CODES: 541360, 541690, 541990  
PSC CODES: B517, B518, B519, S119

We accept credit cards and purchase cards

## Simplified Acquisition Threshold Services

Southwest Geophysical Consulting, LLC

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### Under \$250,000

1,000 hours (6 months) of cave and karst or geologic consulting  
Major geophysical projects of 4 months duration or less  
Major cave and mine mapping projects (2D and 3D) of 4 months duration or less  
Major karst monitoring services  
1 year or less of on demand digital cartography services

### Under \$25,000

100 hours of cave and karst or geologic consulting  
10 acres/20 lines or less of Electrical Resistivity Imaging  
8 acres/10 days or less of Ground Penetrating Radar Survey  
5 days or less of UAS survey/imaging  
Large (>30 linear miles) pedestrian karst surveys and 3D cave/mine mapping services  
10 days or less of karst monitoring services  
5 weeks or less of on demand digital cartography services

### Micro-Purchase (Under \$10,000)

40 hours of cave and karst or geologic consulting  
5 acres/10 lines or less of Electrical Resistivity Imaging  
2.5 acres/5 days or less of Ground Penetrating Radar Survey  
1 day or less of UAS survey/imaging  
Most (<30 linear miles) pedestrian karst surveys and 2D cave/mine mapping services  
5 days or less of karst monitoring services  
2 weeks or less of on demand digital cartography services

### Contract Vehicles

Government Credit Cards  
Government Purchase Cards  
ACH/EFT