

Capability Statement

CORE COMPETENCIES

Geological Services

- Geologic hazard studies
- Geologic mapping
- Bedrock mapping
- Geological logging
- GIS databases
- Geoarchaeological surveys
- Mineral resources evaluation
- Geological mining studies
- Petrographic rock analysis
- Rock sampling for petrographic, geochemical, mineral assaying, and geochronological analysis
- Interpretation and integration of petrographic, geochemical, and geochronological data

Geophysical Methods

- Seismic methods (Refraction Tomography, Reflection, MASW, Borehole methods, etc.)
- Electrical (RES, IP, SP)
- Electromagnetic (EMI, TEM, AMT, MT)
- Ground Penetrating Radar (GPR)
- Seismoelectrics
- Magnetometry
- Gravity
- Borehole logging

Geophysical Services

- Data acquisition, processing, and interpretation
- Integration of geologic and geophysical data for joint interpretation
- Karst, sinkhole, and void detection
- Depth to bedrock/groundwater table
- Regolith rippability studies
- Fracture/weathered zone detection
- Seismic site characterization
- Borehole logging
- Mineral and groundwater exploration
- Geophysical characterization and monitoring of dikes, dams, and landfills
- Groundwater contaminant plume and freshwater-saltwater interphase delineation
- Geophysical demonstrations and training courses.

CONTACT INFORMATION

Dr. Hector R. Hinojosa, P.G.
Principal Geoscientist & Founder
hector@cordillerageo.com
cordillerageoservices@gmail.com

Cordillera Geo-Services (CGS) specializes in the identification and prevention of potential geological hazards, searches for natural resources, and the development of geoscientific information about the ground surface and sub-surface for existing or planned infrastructure to ensure the protection of investments, and most importantly, human lives. With advanced degrees in geology and geophysics from respected and accredited American and German institutions of higher learning, Dr. Hector R. Hinojosa oversees the professional geoservices department and manages domestic and international projects.

SERVED MARKET SEGMENTS

Energy • Environmental • Mining • Water • Engineering • Drilling • Construction • Transportation • Cultural Resources Management

PAST PERFORMANCE

Projects in the public and private sectors varied from the exploration of natural resources to detailed structural geological studies to geophysical investigations focused on near-surface site characterization, active and past seismicity, tremors, sedimentary basin structure, and past environment.

DIFFERENTIATORS

- Comprehensive multidisciplinary Geological and Geophysical services offerings.
- High-quality simultaneous Geological and Geophysical data acquisition for joint interpretation.
- Collaborative, customer-focused, nimble and responsive.
- Flexible scheduling available to meet stringent project deadlines.
- Able to work and achieve timely results even under harsh conditions.
- Qualified to consult on projects in all Latin American countries.
- Competitive rates.
- Bilingual (English and Spanish).
- Office locations in the USA and Mexico.

CORPORATE DATA

CGS is a minority-owned business with state certifications, fully insured, and incorporated in the state of Texas.

Registered Professional Geoscientist (PG): license # 12898

HUB certified: #1830631690400 by the State of Texas

DBE and MBE certified: by the City of Austin, Texas

DUNS number: 081273769 | **CAGE number:** 881B1 | **Active in SAM**

Corporation type: S-type

NAICS: 541360 | **Product service codes:** B517, B518, B525, B530, B532

Payment methods accepted: bank wire transfer, ACH deposit, check, and cash.