



SubSurface Surveys & Associates, Inc.
An Applied Geophysical Company



SubSurface Surveys & Associates, Inc., established in 1988, specializes in near-surface geophysics and utility locating services and is dedicated to establishing strong client relationships. SubSurface Survey's extensive education and experience in implementing state-of-the-art techniques allows for a more comprehensive approach to solving complex problems through cost-effective means.

**2075 Corte Del Nogal, Suite W
Carlsbad, California 92011**

Phone: (760) 476-0492
Fax: (760) 476-0493

www.subsurfacesurveys.com
contactus@subsurfacesurveys.com

RANGE OF PROJECTS

1. Environmental

- Utilities - locate/map
- USTs - delineate/detect
- BH and excav. clearance
- Spill and plume mapping
- UXO projects
- Oil/water well locating
- Back-filled excavation locating

2. Engineering & Construction

- Landfill delineation
- Rebar/post-tension cable
- Void detection
- USTs - delineate/detect
- Utilities - locate/map
- Vibration/blast monitor.

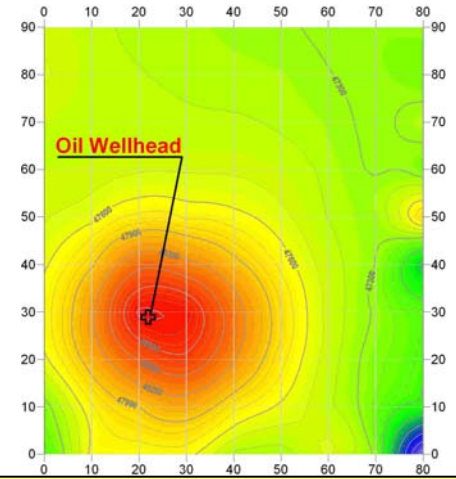
3. Archeological & Forensics

- Ancient burial locating
- Ancient burial dwelling & structure mapping
- Evidence Location
- On staff board certified medicolegal death investigator

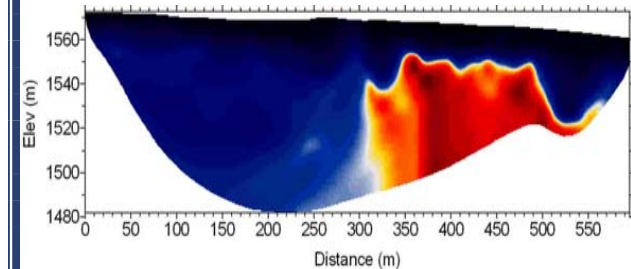
4. Geologic Structure Mapping

- Fault zone delineation
- Bedrock fracture studies
- Channel deposit mapping
- Stratigraphic mapping
- Site period analysis
- Depth to bedrock studies
- Rippability studies
- Depth to ground water studies

PROJECT EXAMPLES



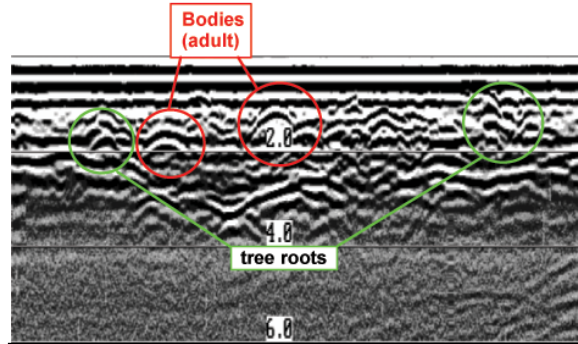
Geometrics 856 magnetometer data showing location of an Oil Wellhead.



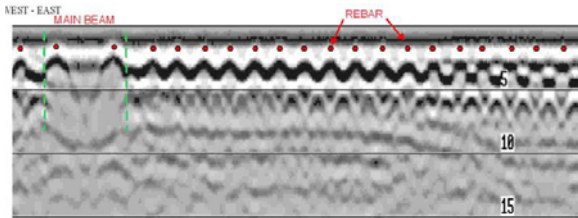
Seismic refraction tomogram of a salt diapir in central Utah. Hot colors correspond to higher velocities, i.e., salt. Cool colors delineate shale.



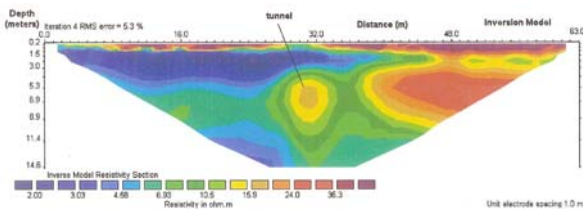
PROJECT EXAMPLES



Ground Penetrating Radar (GPR) data displaying Clandestine burials.



Ground Penetrating Radar (GPR) data displaying location of rebar and beams within a wall.



Sting resistivity data profile.

Background

SubSurface Surveys & Associates, Inc., an applied geophysical firm, was established in December of 2004 through the acquisition of SubSurface Surveys. SubSurface Surveys was founded in 1988, by Dr. Gary Crosby, PhD, GP, and RG, who still continues to provide leadership and guidance to the everyday operations of the company. We are a privately owned small business specializing in geophysical data acquisition, processing, and interpretation in terms of real world geology.



Experience

Dr. Gary Crosby along with Phil Walen, our principal geophysicist, Leopold Mairesse, our senior geophysicist and Travis Crosby, our senior geophysicist at SubSurface Surveys and Associates, Inc. has a combined 110 years of experience in geophysical applications. The company has extensive experience in shallow exploratory geophysics, such as fault and geologic hazards investigations, tank and utility detection, water projects and well sightings, blast and vibration monitoring, archeological investigations, spill and plume mapping, forensic investigations, bedrock rippability, ordnance locations, and landfill mapping.

PRINCIPLES

Phil Walen	Chief Geophysicist
Leopold (Pol) Mairesse	Senior Geophysicist, VP
Travis Crosby	Senior Geophysicist, S
George Herman	Geophysicist, CFO
Gary Crosby	Contract Geophysicist

PERSONNEL

Bret Herman	Project Geophysicist, PM
Dan Matticks	Project Geophysicist, PM
Todd Barker	Chief Field Technician

