



# GSSI West UtilityScan Training Course Outline and Info Packet

## Where is the class held?

Holiday Inn San Mateo – San Francisco SFO  
330 N. Bayshore Blvd.  
San Mateo CA 94401  
Tel: 877.786.9480

## When are the classes?

The GSSI West class schedule is on our website at <http://www.geophysical.com/training.htm>.  
Class size is limited to eight students, so reserve a spot early.

You can reserve a spot by contacting the GSSI West Training Specialist, Mac McCallister at 510.914.3930 or via email at [mccallisterm@geophysical.com](mailto:mccallisterm@geophysical.com).

## What are the class times?

Classes run two days from 9 AM to 4 PM with approximately one hour for lunch. Breaks are given every hour.

## What does it cost?

Class tuition is \$800 per student. If you purchased a complete UtilityScan system it came with two free class credits which can be applied to any scheduled training course offered by GSSI. You can either send two people to one class or one person to two different classes.

## Where should I stay?

Holiday Inn San Mateo offers a reduced rate to GSSI students who elect to stay at this hotel (ask for Rema when making reservations). Reservations must be made no later than one week prior to the class start date in order to get this reduced rate.

Holiday Inn San Mateo – San Francisco SFO  
330 N. Bayshore Blvd.  
San Mateo CA 94401  
Tel: 877.786.9480

Geophysical Survey Systems, Inc.  
12 Industrial Way, Salem, New Hampshire 03079-4843 Tel: 800-524-3011 Fax: 603-889-3984  
[sales@geophysical.com](mailto:sales@geophysical.com) [www.geophysical.com](http://www.geophysical.com)

---

The World Leader in Subsurface Imaging

## How far is the class location from the Airport?

Approximately 4 miles (6.44 km) from San Francisco International Airport (SFO).

## Transportation

**Shuttle:** The hotel offers a free shuttle service to and from SFO between 4:30 am and 12:00 am

## Driving Directions:

- 1** Head north on International Terminal Departures - 0.3 mi.
- 2** Take the ramp to US-101 S - 0.1 mi
- 3** Keep left at the fork to continue toward US-101 S and merge onto US-101 S - 5.6 mi
- 4** Take exit 416 for 3rd Ave - 0.1 mi
- 5** Keep left at the fork, follow signs for 3rd Ave E and merge onto E 3rd Ave - 0.3 mi
- 6** Take the ramp to San Francisco - 0.3 mi
- 7** Merge onto US-101 N - 0.3 mi
- 8** Take the Dore Ave exit - 0.1 mi
- 9** Turn left at N Bayshore Blvd Destination will be on the right - 184 ft

## San Mateo, CA

There's a lot to do around San Mateo, CA, as the hotel's property is a stone's throw from Coyote Point Museum, home to almost 100 exotic animals. Families love spending a day at the Great America Theme Park in nearby Santa Clara. And San Francisco is close by with attractions from Fisherman's Wharf to AT&T Park and Union Square to the famous Golden Gate Bridge, Alcatraz and San Francisco Bay evening dining cruises. The Pacific Ocean lies about 45 minutes West through the Santa Cruz mountains where there are a number of scenic spots North and South along Pacific Coast Highway 1.

## What should I bring?

We will supply everything you need for the course so there is no need for you to bring anything other than what you need for travel. A portion of the course required some intensive computer work. You should be familiar with working in a Microsoft Windows environment. You should be able to:

- 1** Create and name/rename a folder in windows
- 2** Move files around your computer by ‘dragging and dropping’ or cutting and pasting. The instructor may not have time to teach you this so you should acquire this knowledge before coming to the class. The standard tutorials that come with Windows should be enough.

You may videotape or record the training if you wish. If you want to bring your personal equipment to work with, that is fine but not required. Students will be evaluated by class participation and oral examinations.

## What if I need to cancel/reschedule?

Just contact Mac McCallister and let him know 48 hours before the class. You will not be billed for the class. Failure to show without prior cancellation may result in a penalty.

## Class Schedule

	<b>Morning</b>	<b>Afternoon</b>
<b>Day 1</b>	<p style="text-align: center;"><b>GPR 101</b></p> <p>An introduction to GPR method and theory as well as examples of GPR application. Topics covered include: how to read a GPR record, target ID, a discussion of survey practices, factors affecting GPR signal penetration and effectiveness, and more.</p>	<p style="text-align: center;"><b>Simple Locating</b></p> <p>Hands on locating of targets in real time and marking them on the survey surface. How to use radar to clear a location for trenching, calibrating for accurate depth estimation.</p>
<b>Day 2</b>	<p style="text-align: center;"><b>Simple Locating Review</b></p> <p>A review of the previous afternoon's learned skills.</p> <p style="text-align: center;"><b>Advanced Target Recognition</b></p> <p>Using GPR to tell the difference between metal and non-metal targets. Noting voids and shallow geologic features such as bedrock.</p> <p style="text-align: center;"><b>Basic GPR data Processing with RADAN</b></p>	<p style="text-align: center;"><b>3D Data Collection and Processing</b></p> <p>Collecting an area of 3D data for processing and imaging in 3D QuickDraw</p> <p style="text-align: center;"><b>Intro to 3D Imaging</b></p> <p>Using 3D QuickDraw to create 3D data presentations and to answer specific questions.</p> <p style="text-align: center;"><b>Review</b></p>