



## StructureScan Mini/Mini3D Training Course Outline and Info Packet

### Where is class held?

Class is held at GSSI Headquarters at 12 Industrial Way, Salem, NH.

### When are the classes?

The class schedule is on our website at <http://www.geophysical.com/training.htm>.

Class size is limited to 8 students, so reserve a spot early. You can reserve a spot simply by contacting the Training Manager, Dan Welch at 603-893-1109 or [welchd@geophysical.com](mailto:welchd@geophysical.com).

### What are the class times?

Classes run one day from **9:00AM to 4:00PM** with approximately 1 hour for lunch. Five-minute breaks are given every hour.

### What does it cost?

Class tuition is \$500 per student.

### Where should I stay?

There are a number of hotel options within a 10-15 minute drive of GSSI. A listing with phone numbers is included in this packet.

### How far is GSSI from the airport?

Roughly 45 miles from Boston's Logan International Airport, and roughly 30 miles from Manchester (NH) Airport. Boston is currently in the middle of the 'Big Dig' construction project and traffic to and from the airport is usually very heavy at all times during the day. Manchester is a much easier airport to travel through.

### Do I need to rent a car?

Yes. There is no public transportation from the airport to Salem, and no public transport around town. GSSI cannot pick you up from the airport.

**What should I bring?**

You will get as much out of the class as you put into it so, be prepared to take notes. A portion of the course requires some computer work. You should be familiar with working in a Microsoft Windows environment. You should be able to:

1. Create and rename a folder in Windows.
2. Move files around your computer by 'dragging and dropping' or cutting and pasting. The instructor will not teach this, and it is your responsibility to acquire this knowledge before coming. 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 us and let us know 48 business hours before the class. You will not be billed for the class. Failure to show without prior cancellation may result in a penalty.

**Should I plan to stay and see the sights?**

Absolutely. In addition to being one of the finest sports towns in the country, Boston has a huge variety of historical and cultural activities including: professional sports, Revolutionary War sites, a world class art museum, aquarium, and many great restaurants. Very fine hiking and skiing are also a short drive away.

## Hotels Near GSSI

**Please contact individual hotels for latest rate**

### **Holiday Inn**

1 Keewaydin Drive  
Salem, NH 03079  
Tel: 603.893.5511  
Fax: 603.894.6728

Website: [www.holiday-inn.com](http://www.holiday-inn.com)

Restaurant and Lounge in hotel

### **LaQuinta Inn & Suites**

8 Keewaydin Drive  
Salem, NH 03079  
Tel: 603.893.4722  
Fax: 603.893.2898

Website: [www.lq.com](http://www.lq.com)

Continental breakfast served at hotel

### **Red Roof Inn**

109 South Broadway  
Salem, NH 03079  
Tel: 603.898.6422  
Fax: 603.898.6497

Website: [www.redroof.com](http://www.redroof.com)

No Restaurant or Lounge in Hotel

### **Wyndham Hotel**

123 Old River Road  
Andover, MA 01810  
Tel: 978.975.3600  
Fax: 978.975.2664

Website: [www.wyndham.com](http://www.wyndham.com)

Restaurant and Lounge in hotel

### **Park View Inn**

109 South Broadway (RT 28)  
Salem, NH 03079  
Tel: 603-898-5632  
Fax: 603-894-6579

No Restaurant or Lounge in Hotel

The Red Roof, LaQuinta and Holiday Inn are clustered together and are the closest hotels to GSSI. Drive time is less than 5 minutes.

## Directions to Hotels from Logan Airport (Boston, Mass) or Manchester Airport (Manchester, NH)

### From Boston's Logan Airport To Motels

1. When exiting the airport follow the signs to I 93 north.
2. Take I 93 North to New Hampshire. It takes approximately 30 minutes to reach the New Hampshire state line.

#### For the **Park View**:

1. Take Exit 1 (Rockingham Park) off I 93, you will be heading east.
2. Continue straight for the exit road, you will pass the Rockingham Mall, and Rockingham Race Track on your left.
3. Go straight through the first stop light at the second stop light (Route 28) turn left. You will be heading North on Rte. 28. Within about ¼ mile (400m) the Park View will be on your right. The motel is set back from the road near a plaza so it is difficult to see, but there is a prominent sign at roadside.

#### For the **Holiday Inn, LaQuinta, and Red Roof Inn**:

1. Take Exit 2 off of I 93.
2. **Red Roof Inn**: Turn right at the bottom of the exit ramp. The Red Roof Inn is on the right side of the road about ¼ mile (400m) down the road.
3. **Holiday Inn**: Turn left at the bottom of the exit ramp. Go under I93 and take the first left turn (about 100 yards (100m) from I 93). Go approximately ¼ mile (400m) and the Holiday Inn will be on the left.

### From Manchester Airport To Motels

1. When exiting the airport follow the signs to I 293.
2. Take Brown Avenue north for about 4 minutes to the entrance ramp for I 293 South (there is a stop light here).
3. Turn right onto the entrance ramp for I 293 south (the sign will say I 293 to I 93)
4. Take I 293 for about 3 minutes until the highway divides. Take the right branch to I 93 South.
5. Head south on I 93 for about 20 minutes until Exit 2 or Exit 1.

#### For the **Park View**:

1. Take Exit 1 (Rockingham Park) off of I 93, you will be heading east. Follow directions for the Park View described above.

#### For the **Holiday Inn, LaQuinta, and Red Roof Inn**:

1. Take Exit 2 off of I 93. Directions same as previously described.

## **Directions from Hotels to Geophysical Survey Systems, Inc.**

### **From the Park View:**

1. Take Rte. 28 north until the junction with Rte. 97.
2. Take a left onto Rte. 97 West. Follow 97 West for approximately 1 mile.
3. Turn right at traffic light onto Manor Parkway.
4. Turn left onto Industrial Way. GSSI is on top of the hill on the right hand side just after the IR Hussman Company.

### **From the Holiday Inn, Red Rood, and LaQuinta:**

1. Take a left from Keewaydin Drive onto Rte. 97 (Pelham Road) west.
2. Turn right at traffic light onto Manor Parkway.
3. Turn left onto Industrial Way. GSSI is on top of the hill on the right hand side just after the IR Hussman Company.

## Class Content

### **Classroom component (Approx 1-1 ½ hours)**

- Background GPR Theory as it relates to scanning concrete and using the StructureScan Mini.
- StructureScan Mini care and maintenance.

**Hands-on component (Approx 5 hours).** The hands-on component will be conducted in the Slabatory, GSSI's Concrete Test & Training facility.

- 2D locating of embedded targets in a concrete slab. You will learn how to mark the location of the object on the concrete surface, how to measure the depth of an object and to differentiate metallic and non-metallic objects.
- 3D collection and interpretation. You will learn to collect and analyze 3D data with the Mini. The emphasis will be on developing correct collection skills, interpreting data from a variety of structures and transferring the information back to the slab surface.
- Software tools. You will learn which software tools are available to process data, archive files and deliver the results to the client.