



## Electromagnetic Utility Locating

Hawaii Geophysical Services, LLC offers a wide range of electromagnetic (EM) utility locating services for the construction and environmental industries. Since its inception in 2003, we have employed EM technology to quickly and accurately locate known, as well as unknown underground utilities. HGS uses the Radio Detection RD4000, Vivax VLocPro, and the Metrotech EZLoc locators. Additionally we employ a variety of sondes and cameras to locate and inspect sewer lines. Our top-of-the-line electromagnetic, high powered listening equipment allows for precision locates yielding both depth and lateral measurements.

Electro-magnetic locating works by sending a signal along a metal line that is tracked using a receiver. It's generally called toning, which is a carryover to the past, when the equipment was much more basic and locators listened for a tone to know they were tracking a line. Now the equipment provides a tone, but also provides visual cues as to the strength of the signal. Modern equipment can also provide estimated depths for the utilities.

**HGS offers locating services in the following industries:  
Construction, Environmental, Water, Power  
Telecommunications, Gas, Cable TV, Archeological/Forensic**

The HGS team of technicians and engineers travel throughout the Pacific Rim Region for utility locates on a regular basis. HGS has over 20 years of combined experience using high-end equipment in a variety of applications.

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