

TM-6 MAGNETOMETER SERVICES

HIGH-RESOLUTION GEOPHYSICAL TECHNOLOGIES

Magnetic surveys are valuable tools in locating a wide variety of ferrous items to great depths. Magnetometry is a cost effective technique to locate items such as pipes, underground storage tanks, barrels, UXO, and other ferrous items. The TM-6 is manufactured by GAP Geophysics Australia Pty Limited (GAP), and is designed to be used as a stand alone magnetometer or in conjunction with the Sub Audio Magnetics technique and is capable of sampling four sensors up to 9600 times a second. This high rate of sampling allows for increased production rates as well as 50/60 Hz power line or other high frequency noise rejection. The TM-6 has been used to map storm sewers to depths over 25 feet.



TM-6 Towed Array system.

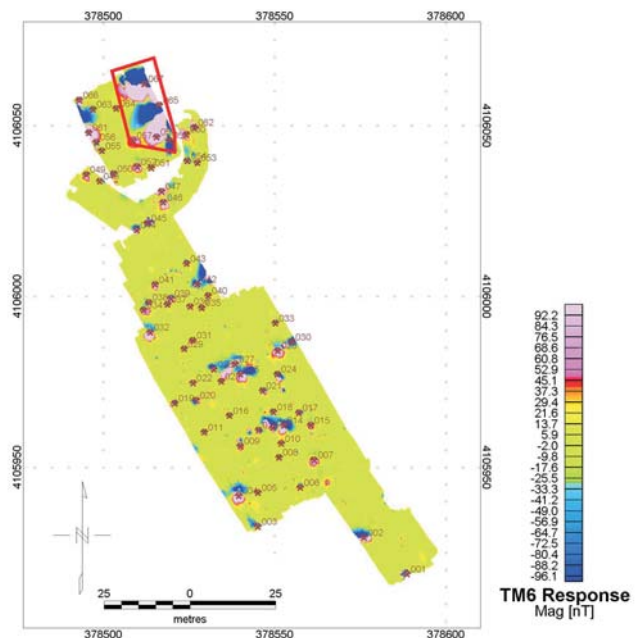


TM-6 Quad Magnetometer system at Langley AFB, Virginia.

The TM-6 interfaces with industry standard RTK DGPS systems to provide accurate positioning of the items of interest. The operating system provides the user with real time data quality information on sensor data, positional data, and other status information. Two TM-6 units can also be combined and synchronized through precise DGPS timing to operate on an eight sensor towed array system. ARM has a strategic alliance with GAP and is the sole provider of GAP technologies in the US.

APPLICATIONS

- UXO Mapping
- Pipe / Drum / UST Location
- Waste Pit and Landfill Mapping
- Geological Mapping



TM-6 magnetic data showing potential explosive hazards at the Pensacola Naval Air Station, Florida.