

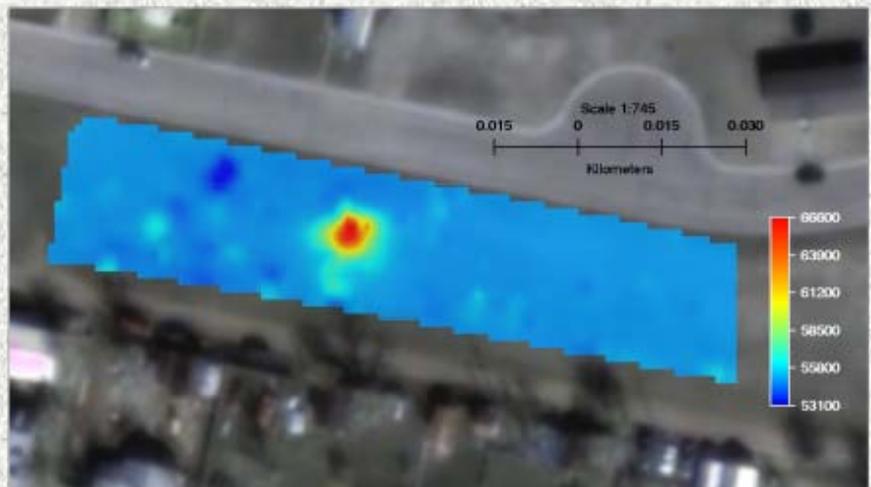
Geophysics and Geology

Magnetometry



Magnetic exploration relies on measuring local changes in the Earth's magnetic field. Such disturbances may be caused by differences in the distribution of ferromagnetic minerals in rock, or by the presence of buried iron or steel objects.

Although magnetometry can be used for delineation of bedrock structure, for transportation infrastructure it is best suited for fault location and delineation of man-made features (such as archaeological artifacts, fill areas and buried iron and steel objects).



More information on magnetometry is available from the Federal Highway Administration at the following link:

<http://www.fhwa.gov/resources/agm/geoApplications/SurfaceMethods/911MagneticMethods.cfm>