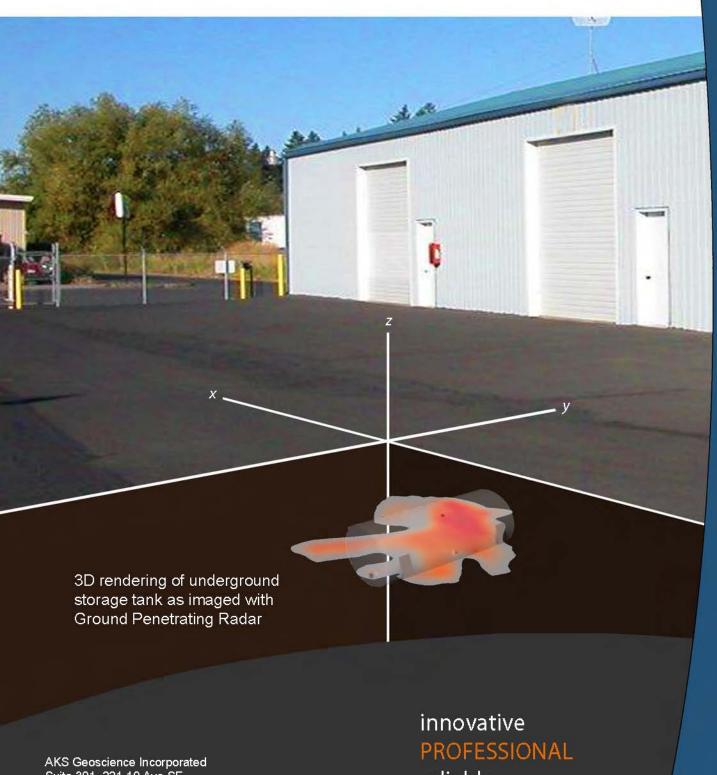


NEAR-SURFACE GEOPHYSICS AND SATELLITE IMAGING



Suite 301, 221-10 Ave SE Calgary, Alberta, T2G 0V9 403.277.4664 www.aksgeoscience.com

reliable

GROUND PENETRATING RADAR

Geophysical Services

Electromagnetic Surveys

Electrical Resistivity Tomography

Ground Penetrating Radar

Magnetics

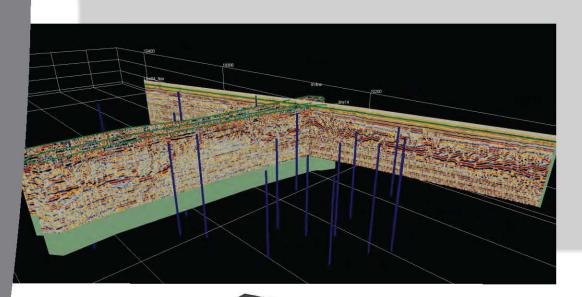
Seismic Refraction

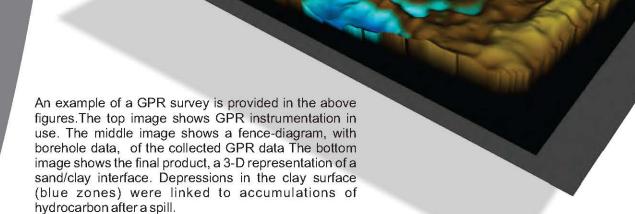
Multi-spectral Imagery Analysis



When and Where?

Ground penetrating radar (GPR) is extremely useful for imaging the subsurface, especially if detailed positioning of artifacts is required. Responding to variations of electrical properties (dielectric constant), GPR measures radar impulses which are triggered by variations of rock properties, or the introduction of a foreign object within a homogeneous medium. The stronger the reflection, the greater the difference in the dielectric constant.





IDENTIFICATION

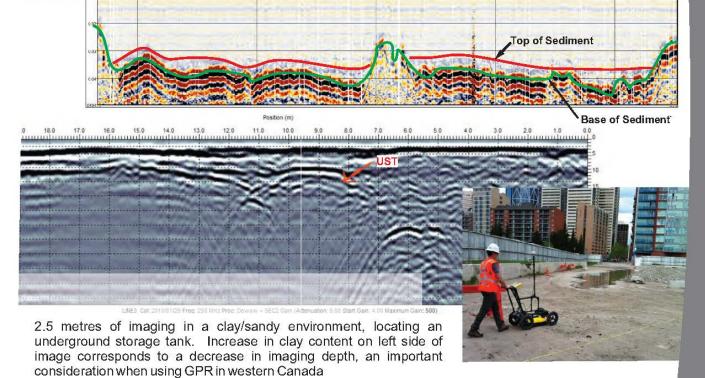
WHERE WE HAVE USED GPR

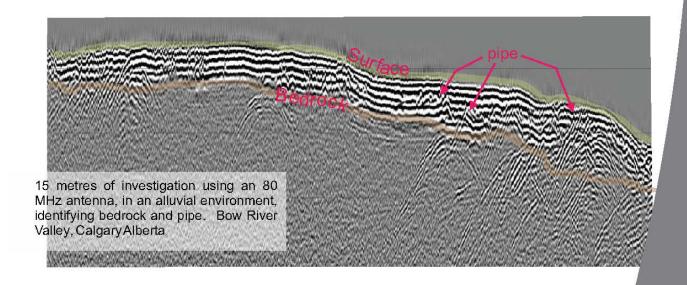
TAILINGS POND
BATHYMETRY SURVEYS
URBAN DEVELOPMENTS

What's going on under there?



Determining the amount of sediment in a tailings pond is achieved while using an unmanned boat and GPS enabled data acquisition. A 250 MHz antenna achieves 1.5 metres of high resolution imagery, as seen below.





GEOPHYSICAL SERVICES

AKS Geoscience is a progressive, independent firm comprised of professional geophysicists and engineers. We provide geophysical expertise on complex environmental and engineering problems

Drawing on 30 years of domestic and international project experience we bring a unique perspective to many of the issues facing the environmental and engineering communities.

We offer a full suite of near-surface geophysical methods that are highly useful in delineating soil/groundwater contamination, locating buried objects and utilities, and mapping the shallow subsurface geology. Geophysical methods we specialize in are electromagnetics, resistivity, GPR, seismic refraction, and magnetics.

