

Saving Time & Money Exploring Near Mines

CHALLENGES:

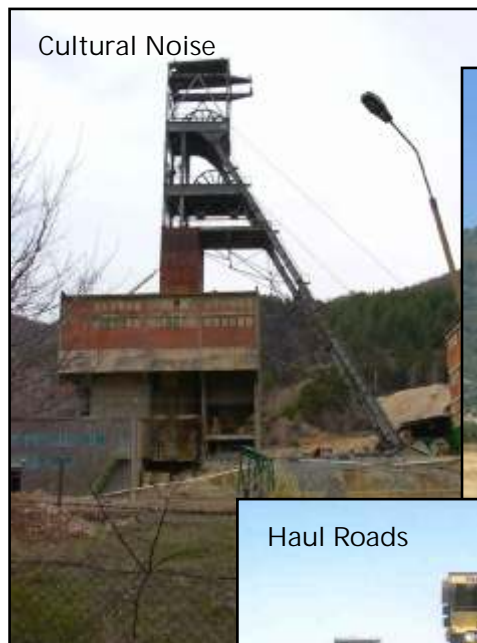
Exploring near mines by drilling alone can be expensive and time consuming. Thoroughly investigating highly prospective areas near the mine through traditional means can be challenging and the return on exploration costs relatively low. Traditional geophysical tools are limited by extreme cultural noise, prohibiting them from providing useful information, and are of little use near mines, except for borehole instrumentation.

Areas within the direct proximity of mine sites provide excellent geologic environments for additional reserves and new discoveries of satellite ore bodies. Measuring more data than traditional systems, Titan 24 has been deployed to a number of

mine sites to provide more information for drill targeting, ground condemnation, delineation, mine planning and extending mine life. Sophisticated digital signal processing and full waveform data enable excellent filtering capability, picking up small signals in the range of surrounding noise.

TITAN 24 MINESITE SURVEYS:

- Lac de Isles,
- North American Palladium
- Ren, Centerra Gold
- Red Lake Mine, Gold Corp
- San Nicolas, Teck Cominco
- Brunswick & Half mile, Noranda
- Voiseys Bay,
- Voiseys Bay Nickel
- Levack & Norman Mines, FNX Mining
- Fortitude, Newmont Mining
- Goldstrike, Barrick Gold
- Black Fox Mine, Apollo Gold
- Chelopech,
- Dundee Precious Metals
- Nickel South Rim, Falconbridge
- Boroo, Centerra Gold



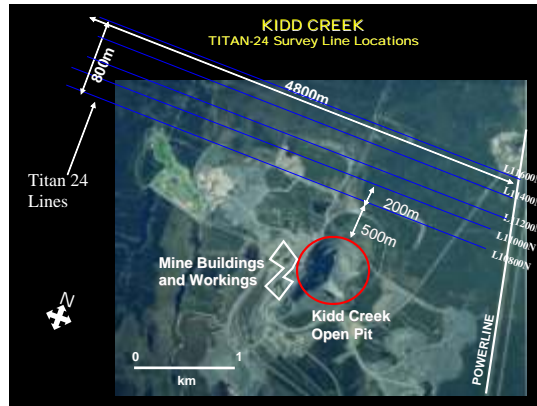
Distributed technology, digital signal processing and data over sampling are some of the features of Titan technology that allow the acquisition of information in culturally harsh environments.



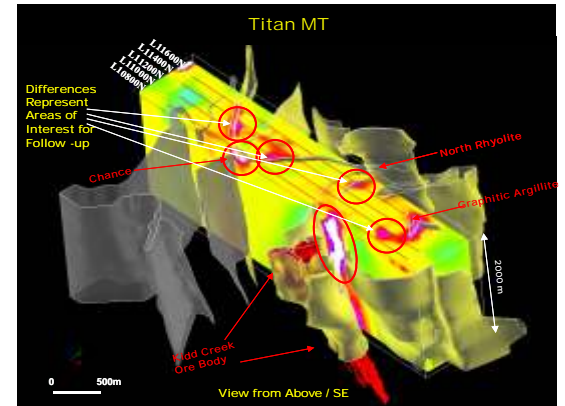
Minesite Exploration - Kidd Creek Mine

KIDD CREEK CASE STUDY:

The Titan 24 survey was to provide deep information to demonstrate system capabilities near the Kidd Creek mine in Northern Ontario. By mapping the subsurface to increase the geologic understanding outside of previously drilled areas, a focused program would reduce overall drilling costs by eliminating potential ground from exploration drilling.



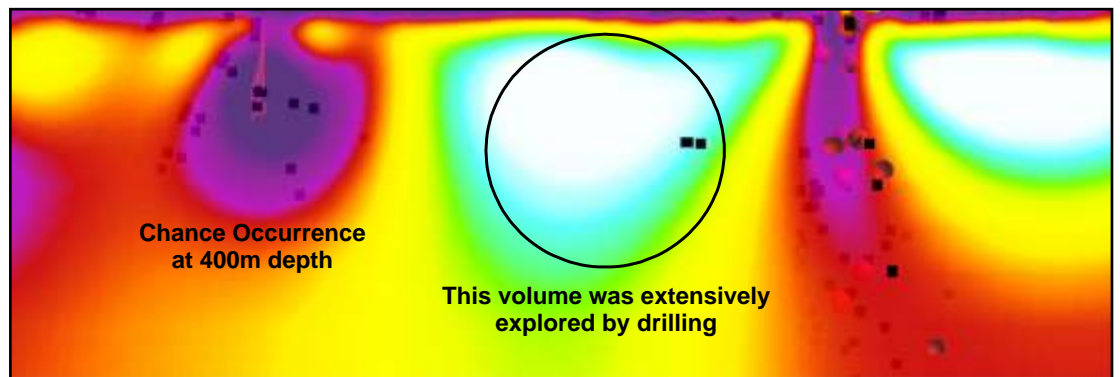
Titan 24 mine site survey near pit and power lines



3D Titan data super imposed on geologic model. Depth shown: 2000 metres.

RESULTS:

The survey was able to penetrate thick (50 metre) conductive overburden. The blind test survey was successful at identifying 100% of the known targets previously drilled within the top 800 metres, and new target areas based on these results were identified for further exploration. A significant area where the survey indicated further investigation was not warranted was confirmed by hundreds of barren drill holes that had been drilled over 15 years at an estimated cost of over \$15,000,000.00



DC Resistivity section, line 10800 section shown to 800m depth, warm colours represent increased conductivity
Data used by Permission: Noranda /Falconbridge

Titan has been deployed at a number of mine sites to provide more information for:

- Drill Targeting
- Ground Condemnation
- Delineation
- Local Exploration
- Geometric and volumetric studies pertaining to mine planning and mine life

About Quantec

Quantec Geoscience Ltd. has been helping with discovery for over 20 years.

Our offices throughout the world allow access to a collective knowledge database of thousands of projects with practically all possible geophysical surveys.

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