



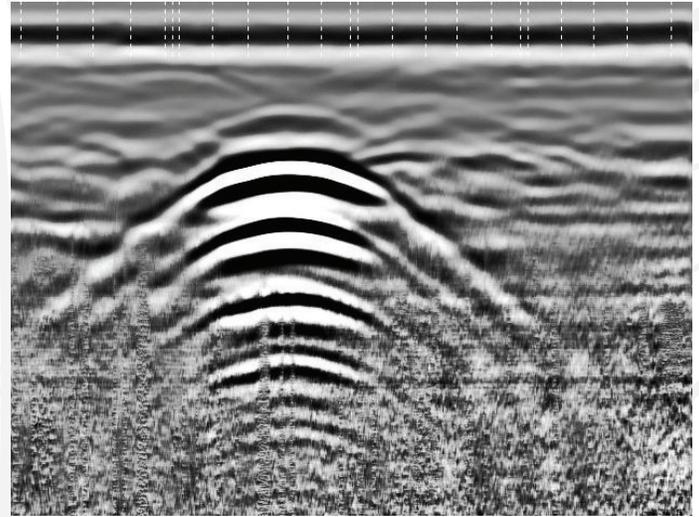
## GEOPHYSICS

**DMT Geosciences provides hands on expertise and advice to major resource companies, junior mining companies, governments, and engineering procurement contractors in almost all aspects of earth science investigations.**

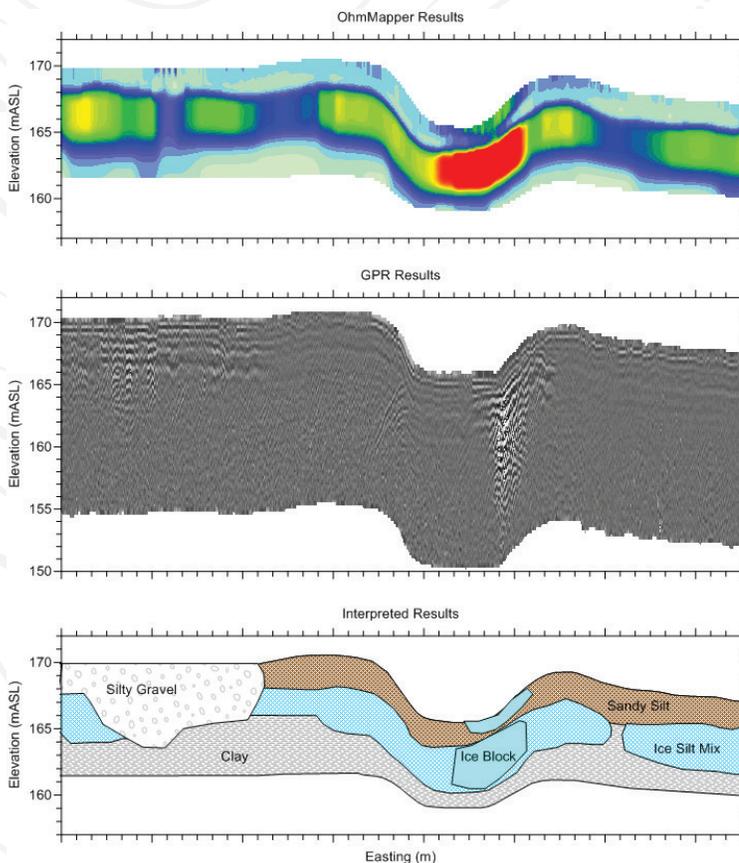
**Whether here in Canada or across the globe, our scientists have the expertise to acquire, process, and interpret data to provide the best solutions for our clients.**

## WHY USE GEOPHYSICS?

A well designed geophysical program can provide critical information to help locate unexpected hazards, to strategically place boreholes, and control contractor bid costs. Soil samples and boreholes provide detailed information on a small scale at specific locations. Conversely, geophysics provides continuity of general subsurface information between sample points, reducing the risk of encountering surprises that can result in cost overruns.



*GROUND PENETRATING RADAR (GPR) DATA SHOWING A BURIED PIPE*



*CROSS-SECTIONS OF OHMMAPPER AND GPR DATA AND INTERPRETATION OF A GRAVEL AND PERMAFROST ENVIRONMENT.*

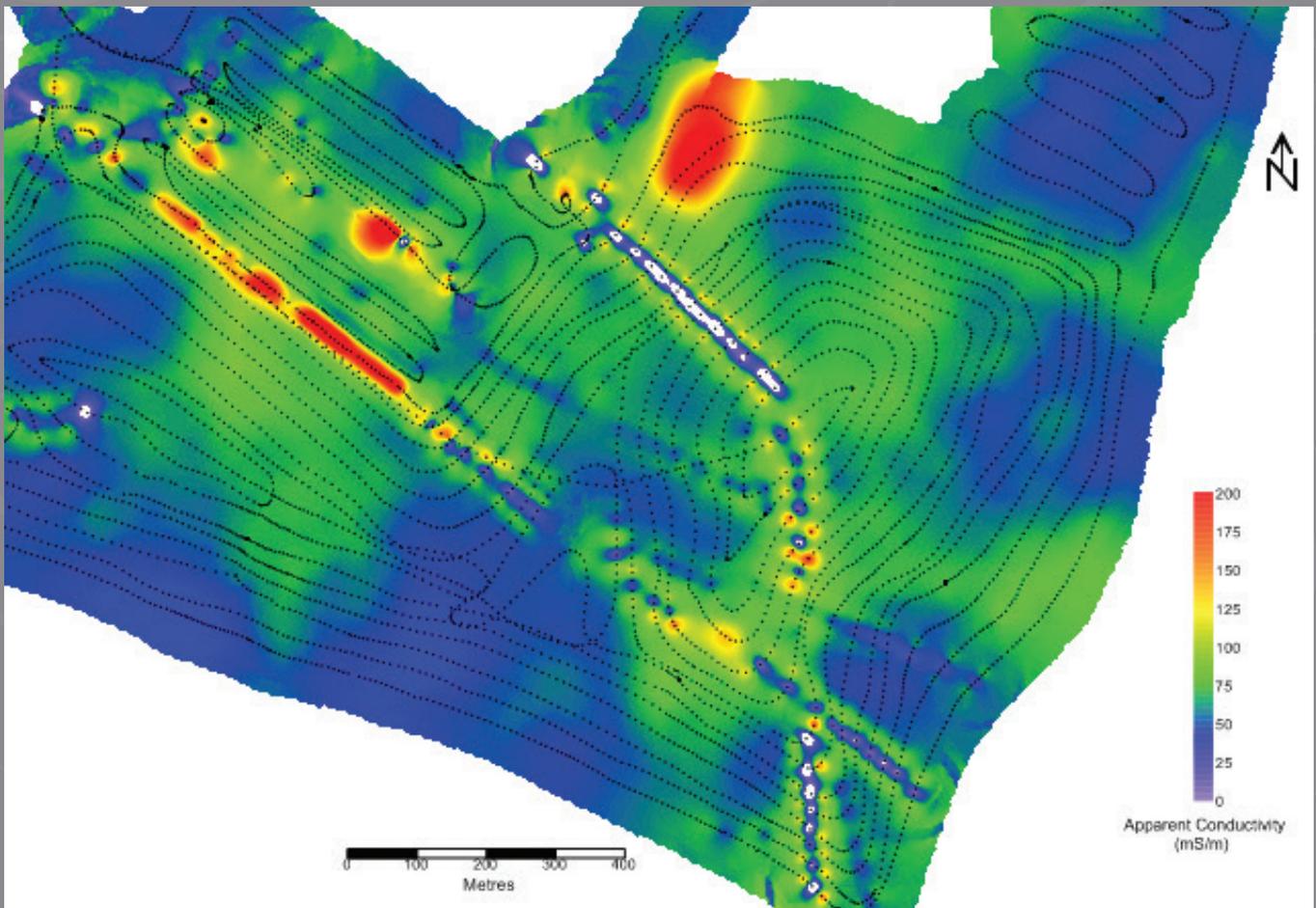
## OUR SERVICES

DMT Geosciences provides geophysical services to a wide variety of clients from a broad range of disciplines, ranging from the world's largest mining, oil and gas companies and government organizations, to specialist engineering and environmental consultancies and junior mining companies. We bring extensive experience to specialized areas of geophysical investigations, in particular: permafrost, muskeg mapping, hydrogeology, aggregate exploration, and oil sands geological hazard identification.

## SPECIALTY MARKETS

- Mining Geophysics
- Environmental Geophysics
- Airborne Geophysics
- Interpretation
- Marine Geophysics
- Geotechnical Geophysics

This list is a selection of geophysical applications and is not all inclusive; if you are interested in learning more about how geophysics can benefit your project, please contact us.



*COLOR-CONTOURED EM-31 TERRAIN CONDUCTIVITY RESULTS SHOWING SEVERAL LINEAR FEATURES (INTERPRETED AS BURIED PIPES). RED AREAS REPRESENT HIGH-CONDUCTIVITY VALUES, WHICH ARE INTERPRETED AS SPILL MATERIAL ORIGINATING FROM BROKEN PIPES*

DMT Geosciences draws from a vast variety of available geophysical tools and has the necessary experience to determine those most suitable for the survey objectives. We advocate the use of integrated geophysical methods to achieve the most effective results. In many instances, the results of multiple geophysical methods yield more information than from individual methods alone.

## LIMITATIONS OF GEOPHYSICS

Geophysical surveys rely on contrasts in physical properties in order to image targets. Methods employed must be sensitive to the property contrasts that are relevant to the objective. We offer a careful analysis of the survey objectives and use our experience to suggest the best method from a wide array of geophysical techniques. If necessary, we will not hesitate to suggest alternative approaches including rejecting the use of geophysics entirely. Even when the appropriate techniques are used, the scale of the property contrast must be sufficient for target discrimination.



## WHO WE ARE & WHAT WE DO

The collective knowledge of the staff at DMT Geosciences covers a wide range of multi-disciplinary skills in geosciences (both geophysics and geology), mining engineering and consulting. We are all very hands-on industry professionals who don't mind getting our hands dirty in the field. DMT Geosciences maintains a strong commitment to professional registration and the majority of our people are registered or licensed as Professional Geoscientists or Engineers wherever we work.

## WHAT DOES DMT MEAN?

The name DMT stems from our parent company DMT GmbH & Co KG., based in Essen, Germany, a member of the TÜV Nord Group of companies. The letters DMT are an acronym of Deutsche Montan Technologie, a name which stands for strength, tradition and independence.

## LOCATIONS — WHERE WE ARE

From our offices in Calgary or Vancouver we can mobilize at short notice for most typical small and large scale geophysical surveys.



**CALGARY**

TEL: 1 (403) 264.9496

[www.dmtgeosciences.ca](http://www.dmtgeosciences.ca)

**VANCOUVER**

TEL: 1 (604) 293.2800