

*MAP OF REGIONAL MAGNETIC INTENSITY OBTAINED FROM THE NATURAL RESOURCES OF CANADA GEOSCIENCE DATA REPOSITORY*

**Staff at DMT Geosciences have over 20 years experience managing and interpreting airborne geophysical surveys.**

## **APPLICATIONS FOR AIRBORNE GEOPHYSICAL SURVEYS INCLUDE:**

- Mineral exploration for precious and base metals, diamonds and many other commodities
- Geotechnical engineering investigations
- Groundwater exploration
- Paleochannel mapping
- Gravels/aggregates
- Lithological mapping
- Depth to bedrock

# INTEGRATED GEO-MODELLING

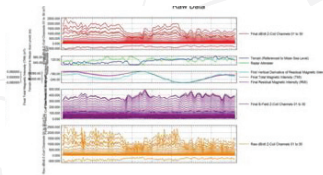
DMT Geosciences specializes in integrated geo-modelling: making use of geological knowledge, borehole and other geophysical data as inputs to inversion and analysis of airborne data sets to sort out complex geology.

Without understanding the local geological environment it is unwise to continue to the next step of creating a geological model from geophysical data. We draw on a wealth of geological understanding from our staff and partners. Using this understanding and adding data from other sources to either guide or constrain the inversion, interpretation and modelling process, we can assure a more accurate result.

## FIELD MEASUREMENTS



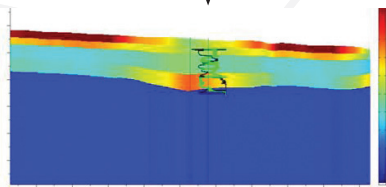
## RAW DATA



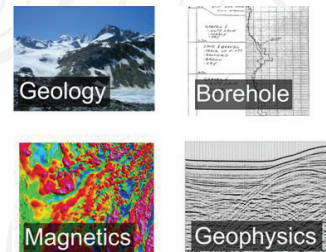
## INTEGRATED GEO-MODELLING

The holistic approach of processing EM geophysical data and integrating it with existing geological knowledge to obtain a detailed geological model of the earth.

## INVERSIONS



## 1D PHYSICAL MODELLING



## EXISTING KNOWLEDGE

## FINAL PRODUCT Integrated Geo-Map

