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Introduction

These surveys were flown for the Ontario Ministry of Northern Development, Mines and Forestry. These surveys were flown for the Ontario Ministry of Northern Development, Mines and Forestry. These surveys were flown for the Ontario Ministry of Northern Development, Mines and Forestry. These surveys were flown for the Ontario Ministry of Northern Development, Mines and Forestry. These surveys were flown for the Ontario Ministry of Northern Development, Mines and Forestry. These surveys were flown for the Ontario Ministry of Northern Development, Mines and Forestry. These surveys were flown for the Ontario Ministry of Northern Development, Mines and Forestry. These surveys were flown for the Ontario Ministry of Northern Development, Mines and Forestry. These surveys were flown for the Ontario Ministry of Northern Development, Mines and Forestry.

SURVEY SPECIFICATIONS

Central meridian: 87°00'W (UTM zone 16N)

Traverse line spacing: 75 m
Control line spacing: 750 m

Magnetometer sample interval: 1 reading per second
Radar altimeter: Terra 3000/TRI-40

Possible kimberlite targets have been identified from the residual circular anomalies. This procedure was automated by using a known pattern-recognition technique (Keating 1995), which scaled to reflect the correlation value. The most favourable solutions. Correlation coefficients with a negative value be aware that other magnetic sources may correlate well with the vertical cylinder model, whereas some kimberlite pipes of irregular geometry may not.

KEATING COEFFICIENTS

Positive correlation 85% 90%
Negative correlation 75% 80% 85% 90%

The cylinder model parameters are as follows:

- Peak dipole moment: 450 000 Am² (Block 1)
- 422 620 Am² (Block 2)
- 7600 µsec (Block 3)
- Off-time: 16 591 µsec (Blocks 1,2,4)

Magnetic declination on July 1, 2007, for the centre of the compilation area was 9.9°W. Magnetic inclination on July 1, 2007, for the centre of the compilation area was 74.1°N.

Users of OGS products are encouraged to contact those

Digital acquisition system: Geotech
Data purchased from: Chalice Diamond Corp. (Blocks 1,2,4)

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