



Proudly supported by  
**Sander Geophysics**  
 High Resolution Airborne Surveys  
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Gravity Data Acquired using Sander Geophysics'  
**AIRGrav**  
 Airborne Inertially Referenced Gravimeter

Timmins Economic Development Corporation

## AIRGrav Timmins Survey

### Geology Map

Scale 1:50 000  
 km 1 0 2 4 km

Ultramafic Intrusive    Mafic Intrusive    Felsic Intrusive    Metasedimentary    Alkalic Metavolcanics    Ultramafic Metavolcanics    Mafic Metavolcanics    Felsic Metavolcanics

Faults    Dashed line  
 Dikes    Solid line



#### Survey and Processing Specifications

Primary Line Spacing	500 m
Primary Line Direction	along bearing: 90° - 270°
Control Line Spacing	5000 m
Control Line Direction	along bearing: 0° - 180°
Aircraft Altitude	468 m fixed altitude
Flying Speed	185 kph (95 mph)
Gravimeter Sensor	Sander Geophysics' AIRGrav
Gravimeter Sensitivity	0.1 mGal
Gravimeter Sample Rate	128 Hz
Aircraft Positioning	OmniSTAR Real-time Differential GPS
GPS Receiver	Novatel Millennium, 12 channel, dual frequency
Aircraft	Cessna Grand Caravan 208B, C-GSGW
Density used for Bouguer and Terrain Corrections	2.67 g/cm <sup>3</sup>
Gravity Data Spatial Filter	0% Pass @ 2100 m, 100% Pass @ 4500 m, Mid-Point 2950 m
Date Flown	May 15 - 18, 2003
Grid Cell Size	250 m
Datum	WGS-84
UTM Zone	17N

Geology Based on Ontario Geological Survey (OGS) Map P-3379,  
 Geological compilation of the Timmins area, Abitibi Greenstone Belt;  
 J.A. Ayer and N.F. Trowell, scale 1:1,000,000.