



**CANADIAN EXPLORATION SERVICES LTD**

PO Box 219, 14579 Government Road, Larder Lake, Ontario, P0K 1L0, Canada  
Phone (705) 643-2345 Fax (705) 643-2191 www.cxsltd.com

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**ASHLEY**  
GOLD MINES LIMITED

**BEEP MAT**

**Survey**

**Over the**

**Thompson Silver Property  
Donovan Township,  
Ontario**

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## 1. SURVEY DETAILS

### 1.1 PROJECT NAME

This project is known as the **Thompson Silver Property**.

### 1.2 CLIENT

Ashley Gold Mines Limited

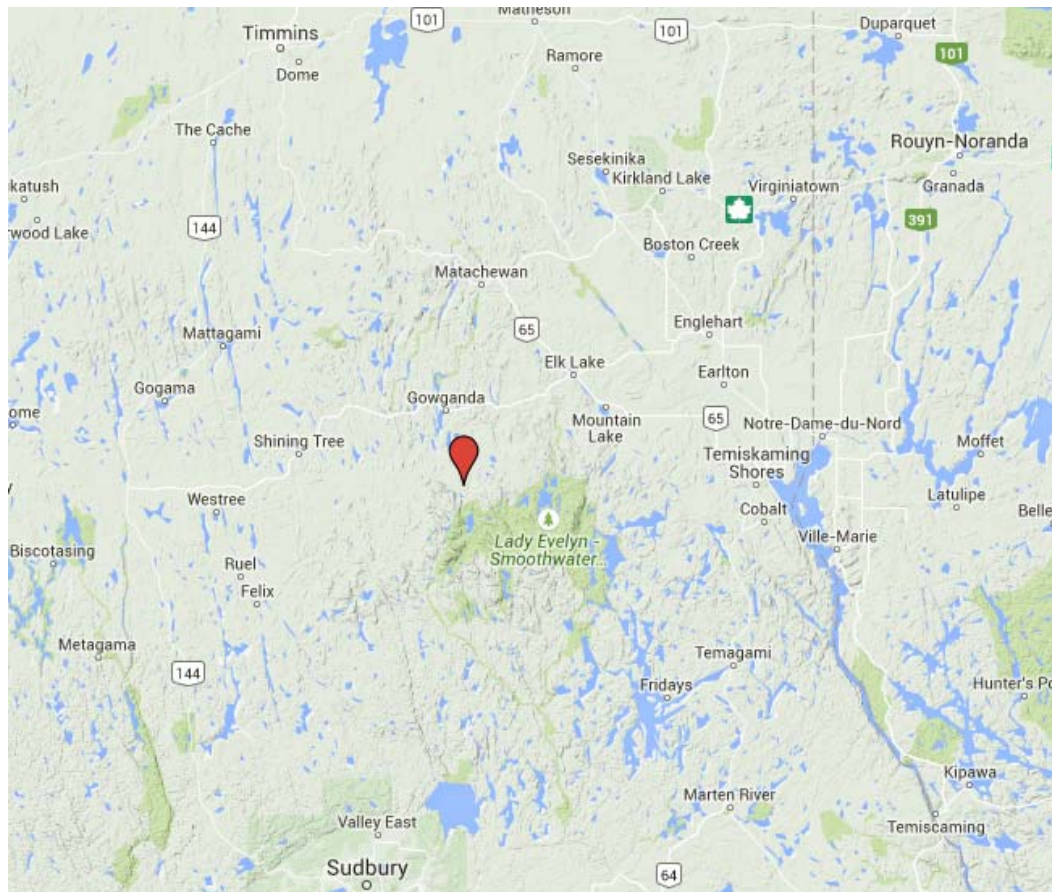
P.O. Box 219

Larder Lake, Ontario

P0K 1L0

### 1.3 LOCATION

The Thompson Silver Property is located approximately 20 km SSE of Gowganda, Ontario. The surveyed area covers parts of claims 4271099 and 4273069 located in Donovan Township, within the Larder Lake Mining Division.



***Figure 1: Location of the Thompson Silver Property***

## 1.4 ACCESS

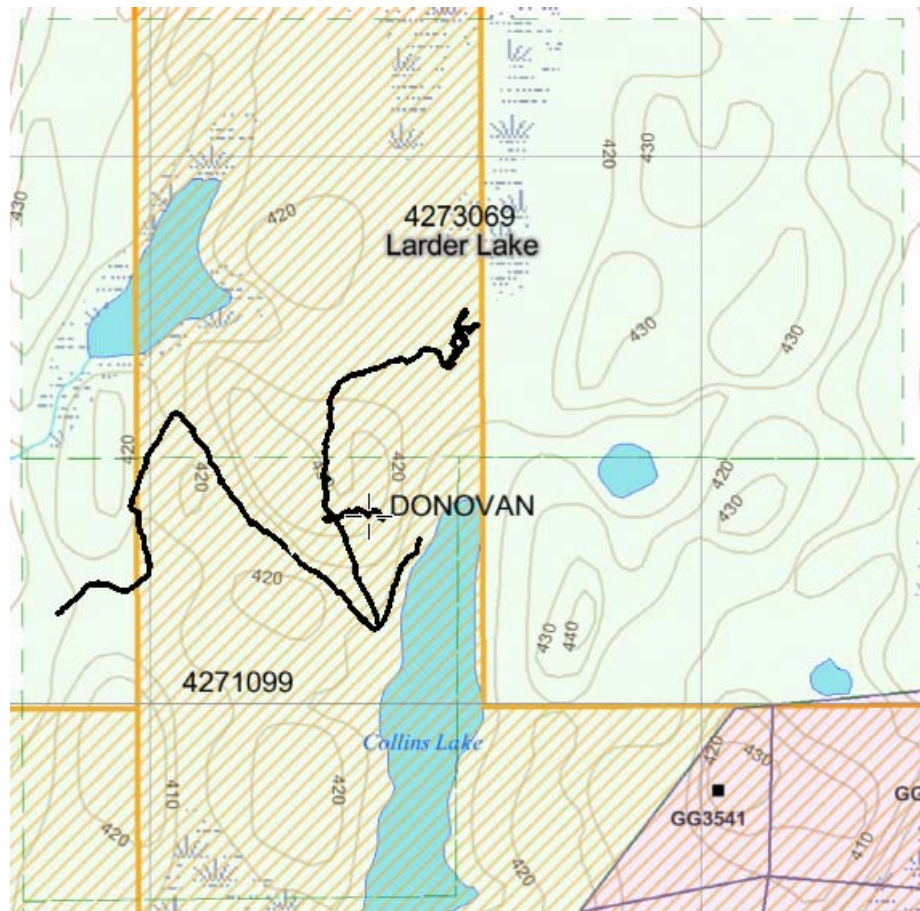
Access to the property was attained with a 4x4 truck via highway 560 approximately 33km west of Elk Lake Ontario. One would then take the Beauty Lake road south from highway 560 for approximately 22km to the OFSC trail just before the bridge on the Montreal River. From the Beauty Lake road, one takes the OFSC trail south for approximately 3km to the Gowganda-Duggan site. From here one takes the Thompson Silver access trail east for 1km to arrive on the claim.

## 1.5 SURVEY GRID

The traversed lines were established using a GPS in conjunction with the execution of the survey. A random path was taken for the traverses.

## 1.6 SURVEY AREA

The survey area was for reconnaissance and therefore randomly generated in the field based on topography and vegetation.



**Figure 2: Beep Mat Traverses on Claim Map**

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## 2. SURVEY WORK UNDERTAKEN

### 2.1 SURVEY LOG

Date	Description	Total Survey (km)
June 9, 2015	Locate access and rehab access. Perform beepmat survey.	2.9

**Table 1: Survey Log**

### 2.2 PERSONNEL

Jason Ploeger of Larder Lake, Ontario operated the Beep Mat System along with the navigation using a GPS to previously established points.

### 2.3 SURVEY SPECIFICATIONS

The survey was conducted with a GDD Beep Mat BM8 system. This system was integrated with a Garmin GPSmap 76 GPS with an external antenna. The BM8 was set to automatically take a simultaneous GPS and HFR and LFR measurement every second. Every 15 minutes the BM8 was re-initialized.

A total of 2.9 kilometers of no grid beep mat was performed on June 9, 2015. This consisted of 3001 HFR and LFR samples taken at 1 second intervals.

### 3. OVERVIEW OF SURVEY RESULTS

#### 3.1 SUMMARY



**Figure 3: Colored Contour of HFR Value**

The Rt results for the survey were 0 indicating that the survey measured no conductive features.

A historic silver showing occurs at the north end of the survey area. It was noted the intense drop in both the HFR and LFR in this area. This may be indicative of the signature for silver in this area.

I would recommend prospecting the other regions of the survey area where both the HFR and LFR signatures indicate a low.

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## APPENDIX A

### STATEMENT OF QUALIFICATIONS

I, C. Jason Ploeger, hereby declare that:

1. I am a professional geophysicist with residence in Larder Lake, Ontario and am presently employed as a Geophysicist and Geophysical Manager of Canadian Exploration Services Ltd. of Larder Lake, Ontario.
2. I am a Practising Member of the Association of Professional Geoscientists, with membership number 2172.
3. I graduated with a Bachelor of Science degree in geophysics from the University of Western Ontario, in London Ontario, in 1999.
4. I have practiced my profession continuously since graduation in Africa, Bulgaria, Canada, Mexico and Mongolia.
5. I am a member of the Ontario Prospectors Association, a Director of the Northern Prospectors Association and a member of the Society of Exploration Geophysicists.
6. I do not have nor expect an interest in the properties and securities of **Ashley Gold Mines Limited**.
7. I am responsible for the final processing and validation of the survey results and the compilation of the presentation of this report. The statements made in this report represent my professional opinion based on my consideration of the information available to me at the time of writing this report.

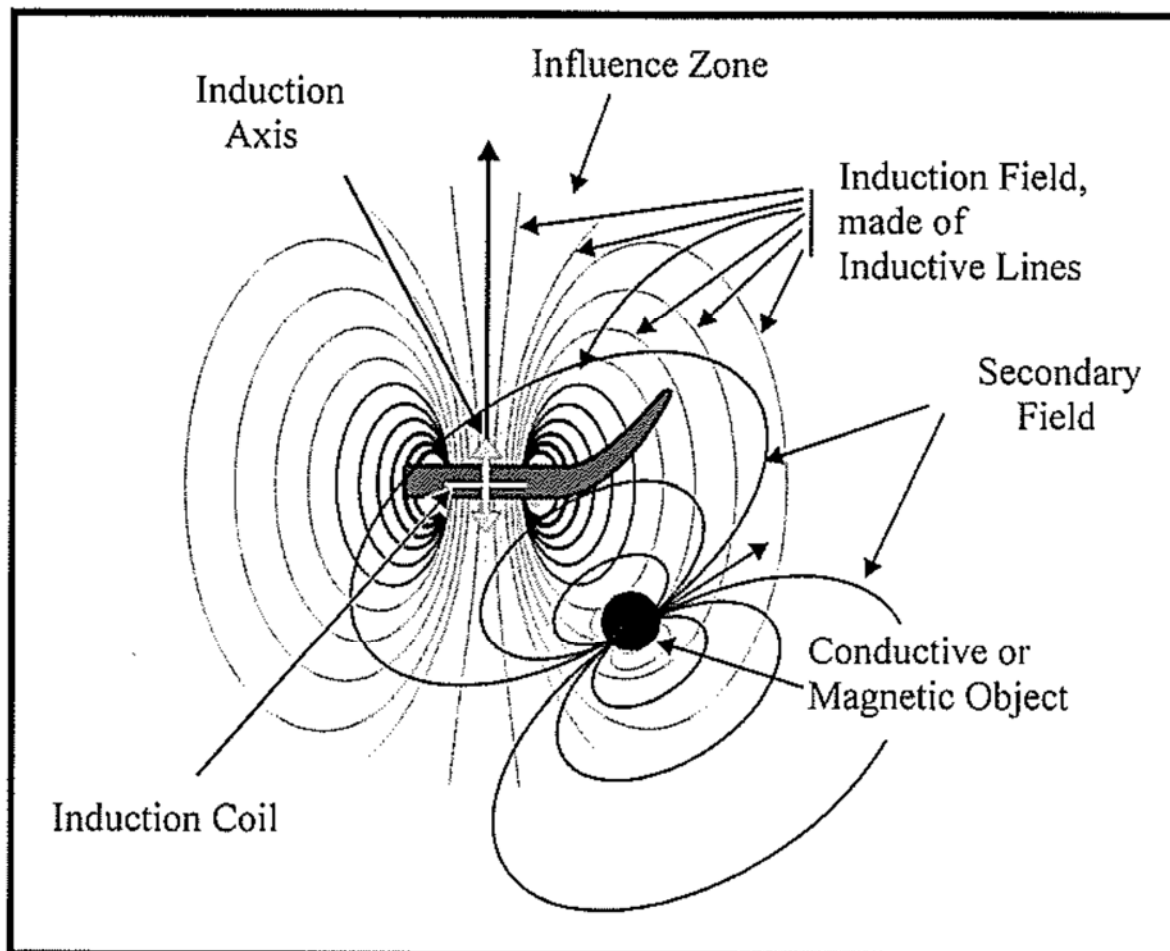


C. Jason Ploeger, P.Geo., B.Sc.  
Geophysical Manager  
Canadian Exploration Services Ltd.

Larder Lake, ON  
June 10, 2015

**APPENDIX B****THEORETICAL BASIS AND SURVEY PROCEDURES****BEEP MAT EM SURVEY**

The probe contains an inductive coil within its shell. When the probe is in normal position on the ground, as shown below, the induction axis sent by the coil is in the vertical position.



The influence zone of its induction field has an average radius (called “range”) of about 3 meters. This field is similar to the field of a magnet. Any conductive or magnetic object within the zone reacts by sending out a secondary field (or “induced” field) which is weaker and has distinctive features. The probe reacts on the part of this field that goes through its inductive coil. This reaction is then displayed on the reading unit in terms of LFR, HRF, MAG and Rt values.

Picture the inductive field as being composed of several induction lines crossing the



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inductive coil and which density increases towards the center of the coil. To illustrate that, only a few induction lines are presented in the above figure. Therefore the greater the number of lines that cross the conductive object, the higher the displayed values will be.

The LFR value (Low Frequency Response) represents a specific reaction of low frequency, in hertz, to the presence of a conductor near the probe.

The HFR value (High Frequency Response) represents a specific reaction of the high frequency, in hertz, to the presence of a conductor near the probe.

The MAG value (Magnetite) represents a specific reaction of the probe, in hertz, to the presence of a magnetic body, in particular containing magnetite (relative susceptibility)

The Rt value (Ratio) indicates the quality of the conductor (intrinsic conductivity) and is independent of the quantity of material present. For the ratio value to be calculated by the unit, there are two conditions

- 1) The HFR must be at least 10Hz
- 2) No magnetite must be present (MAG=0)

In the presence of magnetite, the Rt value is altered and the Rt=0% will be displayed. When HFR is below 10Hz, the Rt value is not precise enough and Rt=0% will be displayed.

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## APPENDIX C

### GDD BEEP MAT MODEL BM8



### FEATURES

- **EM / MAG ground survey**
- **Detect the magnetic susceptibility and EM conductivity along with GPS position**
- **Get fast results**
- **Shock resistant, portable and weatherproof.**
- **Provide real time feedback**
- **New internal Lithium-Ion in the reading unit**
- **Transfers data from the reading unit to your PC in order to draw maps.**

### SPECIFICATIONS

- **Power Source:** Rechargeable Batteries
- **Daily Autonomy:** Up to 10 hours
- **Memory Capacity:** 8,093,750 readings
- **Weight** (including accessories and shipping bag): 10 kg
- **Dimension** (including accessories and shipping bag): 90 x 30 x 30 cm
- **Operating temperature:** -50C to 70C (-58F to 158F)
- **Positioning:** Garmin GPS Map 76 integrated

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## APPENDIX C

### GARMIN GPS 76



#### GPS Performance

Receiver: WAAS-enabled, 12 parallel channel GPS receiver continuously tracks and uses up to 12 satellites to compute and update your position

#### Navigation Features

**Waypoints/icons:** 500 with name and graphic symbol, 10 nearest (automatic), 10 proximity

**Routes:** 50 reversible routes with up to 50 points each, plus MOB and Trac-Back® modes

**Tracks:** Automatic track log; 10 saved tracks let you retrace your path in both directions

**Trip computer:** Current speed, average speed, resettable max. speed, trip timer and trip distance

**Alarms:** Anchor drag, approach and arrival, off-course, proximity waypoint, shallow water and deep water

**Tables:** Built-in celestial tables for best times to fish and hunt, sun and moon rise, set and location

**Map datums:** More than 100 plus user datum

**Position format:** Lat/Lon, UTM/UPS, Maidenhead, MGRS, Loran TDs and other grids, including user grid

#### Acquisition times

**Warm:** Approximately 15 seconds

**Cold:** Approximately 45 seconds

**AutoLocate®:** Approximately 2 minutes

**Update rate:** 1/second, continuous

#### GPS accuracy

**Position:** < 15 meters, 95% typical\*

**Velocity:** 0.05 meter/sec steady state

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### **WAAS accuracy**

**Position:** < 3 meters, 95% typical\*

**Velocity:** 0.05 meter/sec steady state

### **Power**

**Source:** Two "AA" batteries (not included)

**Battery Life:** Up to 16 hours

### **Physical**

**Size:** 2.7"W x 6.2"H x 1.2"D (6.9 x 15.7 x 3.0 cm)

**Weight:** 7.7 ounces

### **Display**

1.6"W x 2.2"H (4.1 x 5.6 cm)

180 x 240 pixels, high-contrast

FSTN with bright backlighting

**Case:** Fully gasketed, high-impact plastic alloy, waterproof to IEC 529 IPX7 standards

**Interfaces:** RS232 with NMEA 0183, RTCM 104 DGPS data format and proprietary Garmin®

**Antenna:** Built-in quadrifilar, with external antenna connection (MCX)

**Differential:** DGPS (USCG and WAAS capable)

**Temperature range:** 5°F to 158°F (-15°C to 70°C)

**Dynamics:** 6 g's

**User data storage:** Indefinite, no memory battery required

*Specifications obtained from [www.garmin.com](http://www.garmin.com)*

## APPENDIX C

### GARMIN GPS MAP 62S



Physical & Performance:	
Unit dimensions, WxHxD:	2.4" x 6.3" x 1.4" (6.1 x 16.0 x 3.6 cm)
Display size, WxH:	1.43" x 2.15" (3.6 x 5.5 cm); 2.6" diag (6.6 cm)
Display resolution, WxH:	160 x 240 pixels
Display type:	transflective, 65-K color TFT
Weight:	9.2 oz (260.1 g) with batteries
Battery:	2 AA batteries (not included); NiMH or Lithium recommended
Battery life:	20 hours
Waterproof:	yes (IPX7)
Floats:	no
High-sensitivity receiver:	yes

Interface:	high-speed USB and NMEA 0183 compatible
<b>Maps &amp; Memory:</b>	
Basemap:	yes
Preloaded maps:	no
Ability to add maps:	yes
Built-in memory:	1.7 GB
Accepts data cards:	microSD™ card (not included)
Waypoints/favorites/locations:	2000
Routes:	200
Track log:	10,000 points, 200 saved tracks
<b>Features &amp; Benefits:</b>	
Automatic routing (turn by turn routing on roads):	yes (with optional mapping for detailed roads)
Electronic compass:	yes (tilt-compensated, 3-axis)
Touchscreen:	no
Barometric altimeter:	yes
Camera:	no
<u>Geocaching-friendly:</u>	yes (paperless)
<u>Custom maps compatible:</u>	yes
Photo navigation (navigate to geotagged photos):	yes
Outdoor GPS games:	no
Hunt/fish calendar:	yes
Sun and moon information:	yes

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Tide tables:	yes
Area calculation:	yes
Custom POIs (ability to add additional points of interest):	yes
Unit-to-unit transfer (shares data wirelessly with similar units):	yes
Picture viewer:	yes
Garmin Connect™ compatible (online community where you analyze, categorize and share data):	yes

- *Specifications obtained from [www.garmin.com](http://www.garmin.com)*

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## APPENDIX D

### LIST OF MAPS (IN MAP POCKET)

Posted Colour Contour Maps (1:2500)

- 1) ASHLEY-DONOVAN-BEEP MAT-HFR-Q2092
- 2) ASHLEY-DONOVAN-BEEP MAT-LFR-Q2092

Grid Sketch on Claim Map (1:20000)

- 3) ASHLEY-DONOVAN-TRAVERSES-Q2092

**TOTAL MAPS = 3**



Date / Time of Issue: Fri May 23 14:46:21 EDT 2014

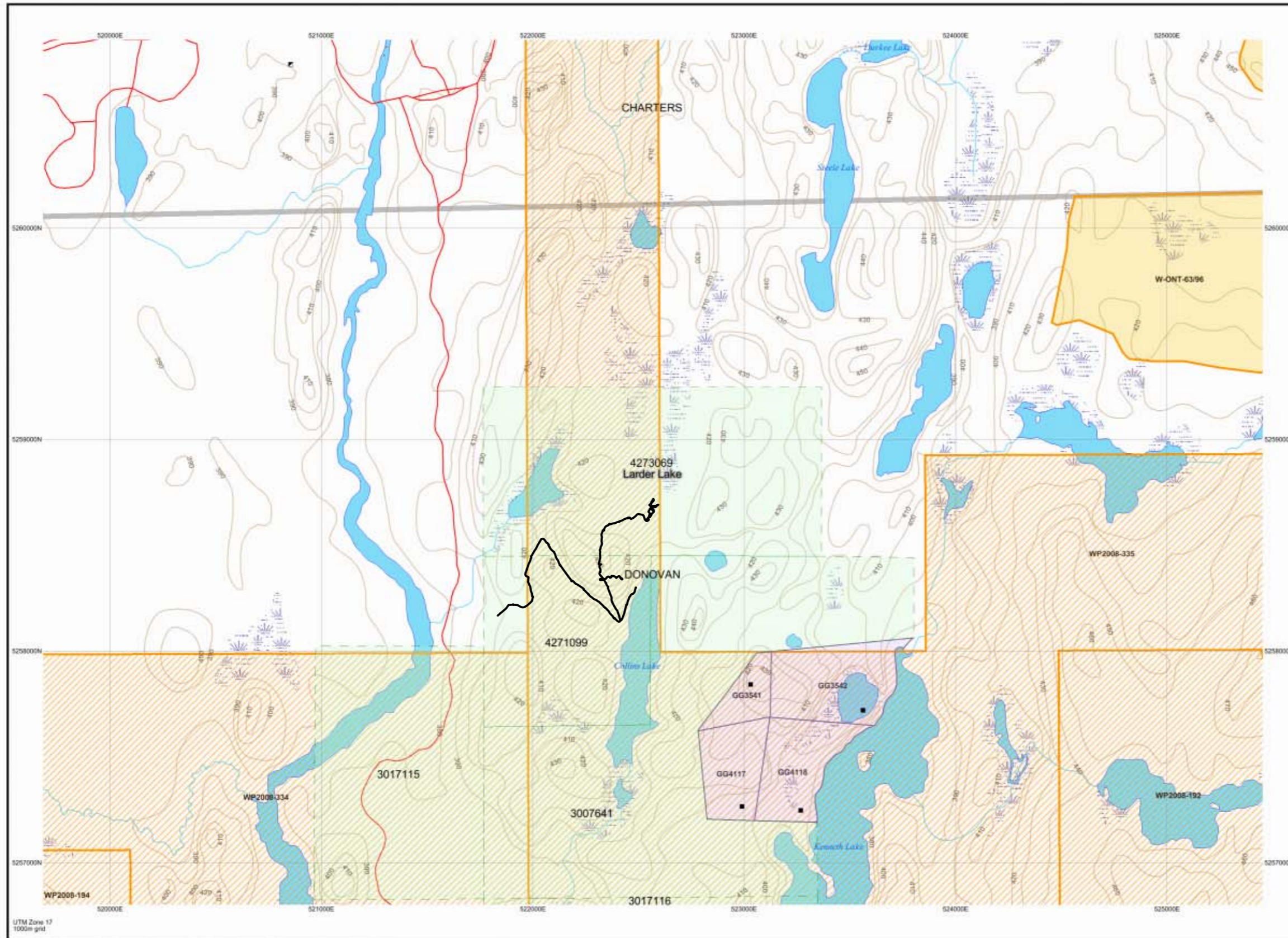
TOWNSHIP / AREA  
DONOVAN

PLAN  
G-3424

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division  
Land Titles/Registry Division  
Ministry of Natural Resources District

Larder Lake  
TIMISKAMING  
KIRKLAND LAKE



TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shaft
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- USBias
- Tower

Land Tenure

- Freehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Leasehold Patent**
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- License of Occupation**
  - Uses Not Specified
  - Surface And Mining Rights
  - Surface Rights Only
  - Mining Rights Only
  - Land Use Permit
  - Order In Council (Not open for staking)
  - Water Power Lease Agreement
- Mining Claim**
  - Mining Claim
  - Filled Only Mining Claims

WELMER	WCOL	LARSON
LETH	CHARTERS	CORROLL
RAY	DONOVAN	BREWSTER
LECKE	CODLEY	GAMBLE
MCLAIRD	ELLS	PARKER
		SHURT

LAND TENURE WITHDRAWALS

- Areas Withdrawn from Disposition
- Mining Acts Withdrawal Types**
  - Surface And Mining Rights Withdrawn
  - Surface Rights Only Withdrawn
  - Mining Rights Only Withdrawn
  - Order In Council Withdrawal Types
  - Surface And Mining Rights Withdrawn W/sem
  - Surface Rights Only Withdrawn W/a
  - Mining Rights Only Withdrawn W/m

IMPORTANT NOTICES



LAND TENURE WITHDRAWAL DESCRIPTIONS (list may not be complete)

Identifier	Type	Date	Description
W-ONT-63/96	Wsm	Sep 17, 1996	SEC 35/90 W-ONT-63/96 SEPT 17/96 M+S COMPREHENSIVE PLANNING COUNCIL. Notice. This withdrawal area is under the MNR North Lady Evelyn River Head Waters - G1865 (Special Management Area)

IMPORTANT NOTICES

Areas under which special regulation, limitations or conditions exist that affect normal prospecting, staking and mineral development activities

Type	Description

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

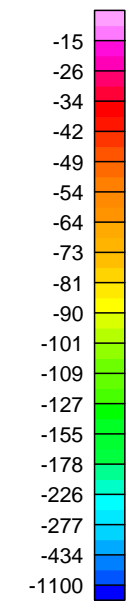
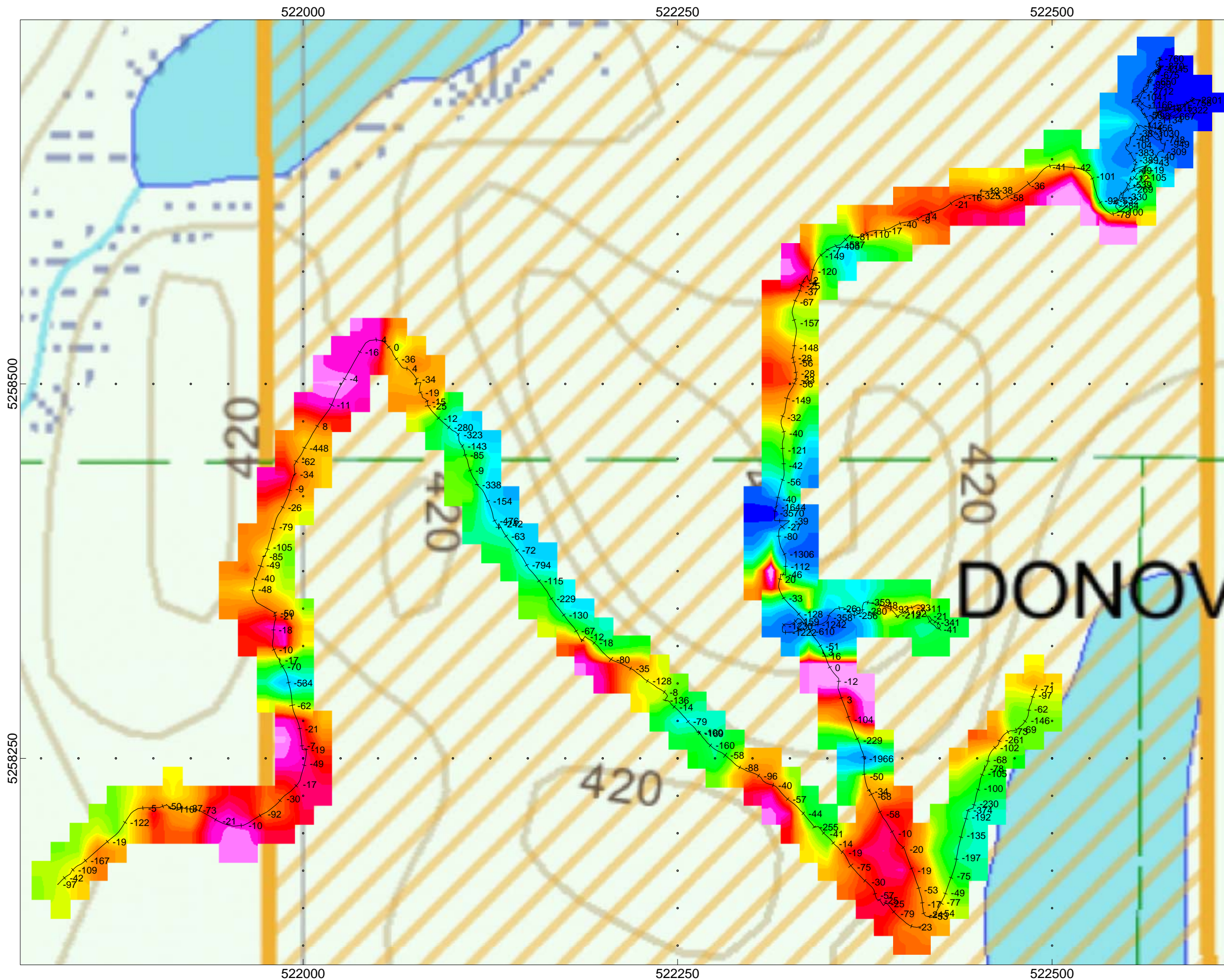
General Information and Limitations

Contact Information:  
Provincial Mining Recorders' Office  
Wilket Green Miller Centre 933 Ramsey Lake Road  
Sudbury ON P3E 6B5  
Home Page: [www.mdm.gov.on.ca/MNDM/MINES/LANDS/InImSprgs.htm](http://www.mdm.gov.on.ca/MNDM/MINES/LANDS/InImSprgs.htm)

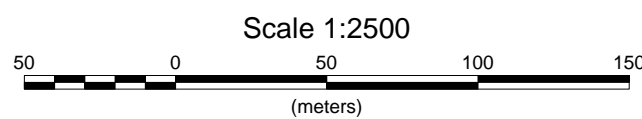
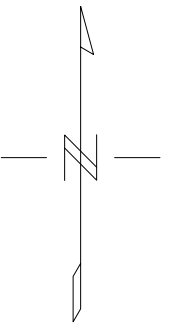
Toll Free  
Tel: 1 (888) 415-9845 ext 574  
Fax: 1 (877) 670-1444

Map Datum: NAD 83  
Projection: UTM (6 degree)  
Topographic Data Source: Land Information Ontario  
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.



Low Frequency Response



**THOMPSON PROPERTY**  
Donovan Township, Ontario

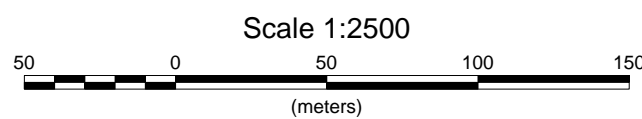
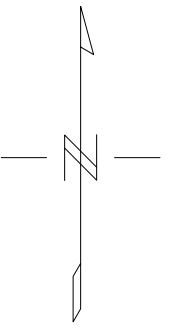
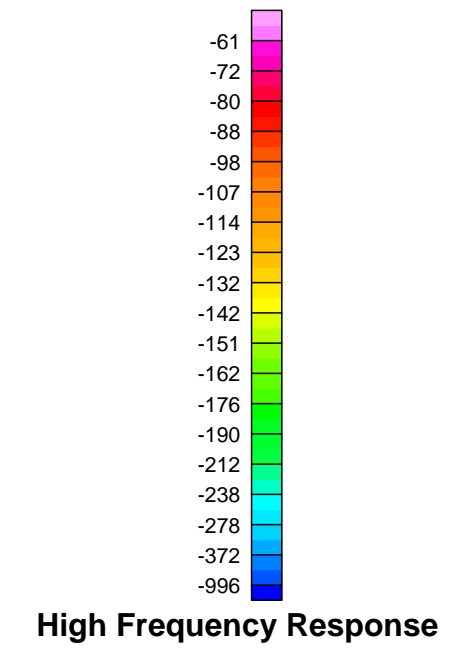
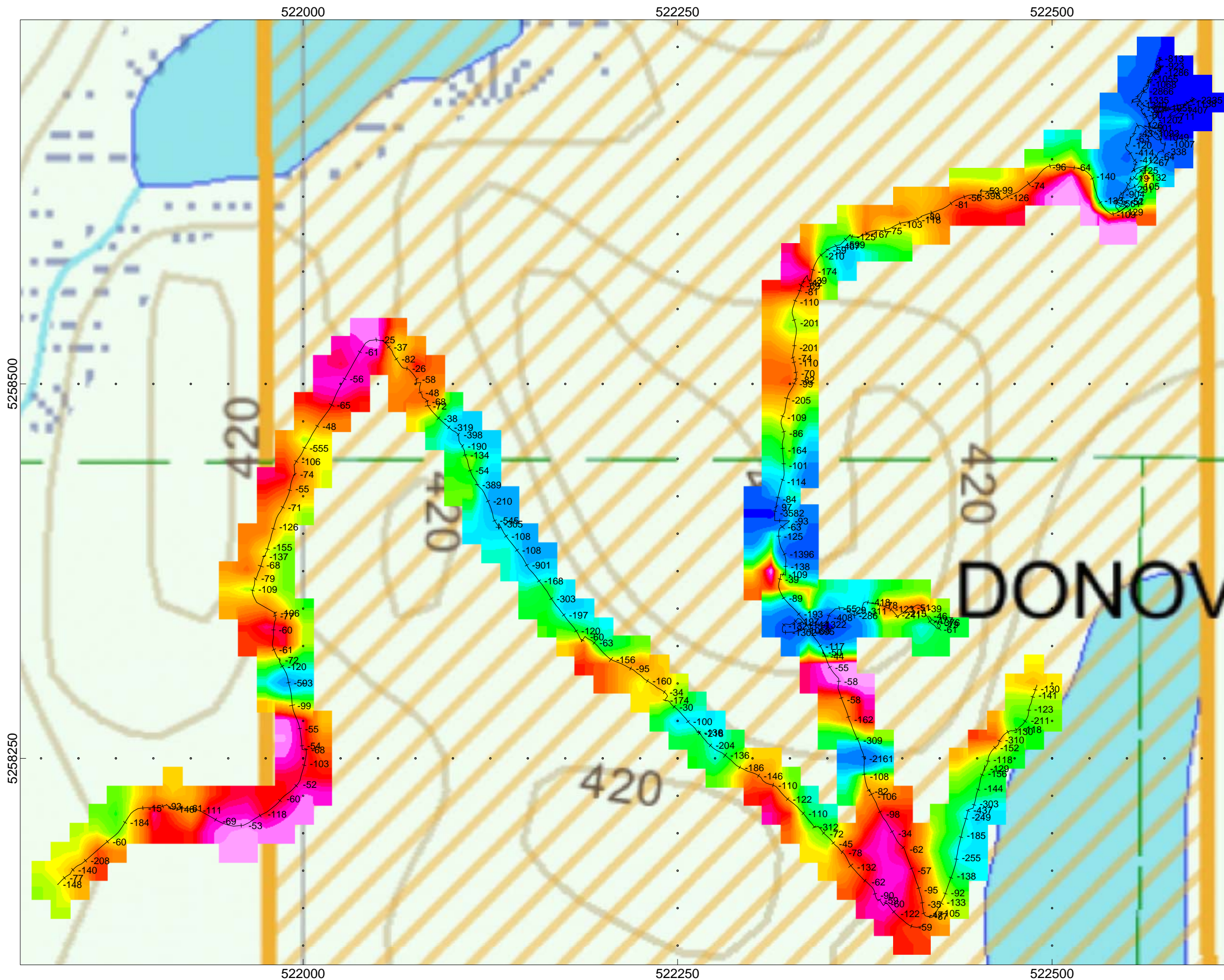
LOW FREQUENCY RESPONSE BEEP MAT PLAN MAP

Posting Level: 0  
Station Separation: 1 second interval  
GDD BEEP MAT MODEL BM8

Operated By: C Jason Ploeger, B.Sc.  
Processed by: C Jason Ploeger, B.Sc.  
Map Drawn By: C Jason Ploeger, B.Sc.  
June 2015



Drawing: ASHLEY-DONOVAN-BEEP MAT-LFR-Q2092



**THOMPSON PROPERTY  
Donovan Township, Ontario**

HIGH FREQUENCY RESPONSE BEEP MAT PLAN MAP

Posting Level: 0  
Station Separation: 1 second interval  
GDD BEEP MAT MODEL BM8

Operated By: C Jason Ploeger, B.Sc.  
Processed by: C Jason Ploeger, B.Sc.  
Map Drawn By: C Jason Ploeger, B.Sc.  
June 2015



Drawing: ASHLEY-DONOVAN-BEEP MAT-HFR-Q2092