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# **GOLD DIAMET RESOURCES LTD.**

**Beepmat  
Survey  
Over the**

**A1 PROPERTY  
Arnold Township, Ontario**

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## 1. SURVEY DETAILS

### 1.1 PROJECT NAME

This project is known as the **A1 Property**.

### 1.2 CLIENT

Gold Diamet Resources Ltd.

RR#1 #14778

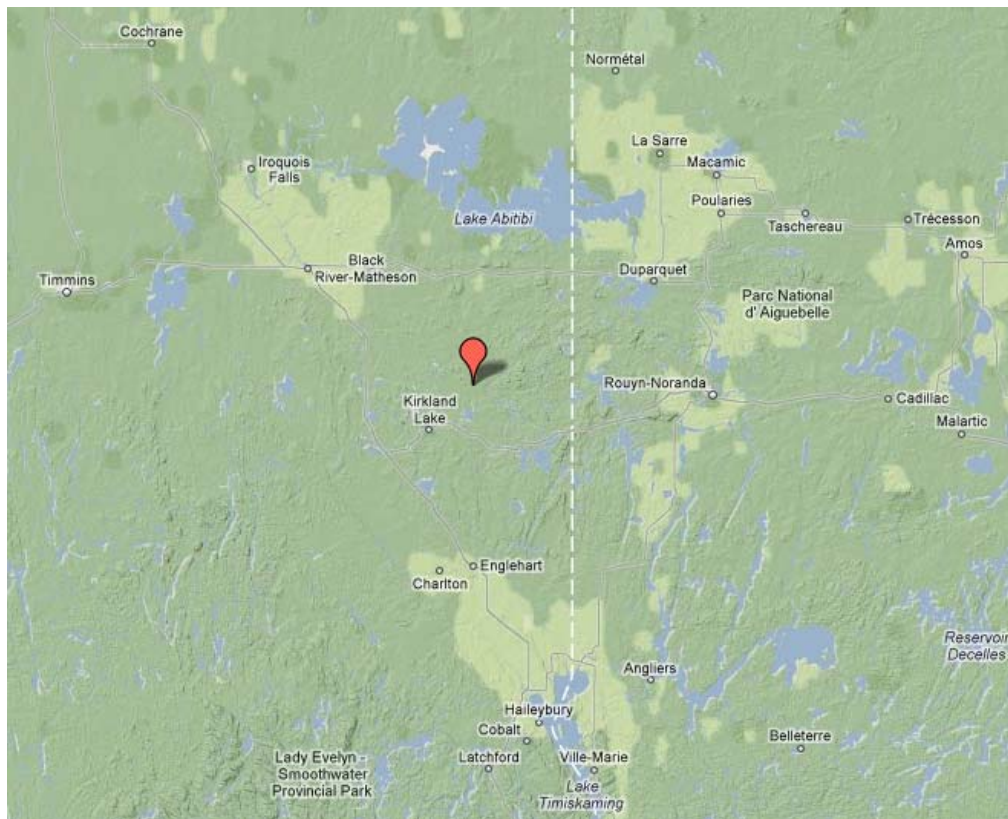
Niagara Parkway

Niagara on the Lake, Ontario

L0S 1J0

### 1.3 LOCATION

The A1 Property is located in Arnold Township approximately 16 km northeast of Kirkland Lake, Ontario. The traverse area covers portions of claims numbered 4252178, 4211816, 4252143 and 4240767 all located in Arnold Township, within the Larder Lake Mining Division.



**Figure 1: Location of A1 Property**

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#### **1.4 ACCESS**

Access to the property was attained with a 4x4 truck via highway 672 approximately 14km north of the junction of highways 672 and 66. At this point, the property borders the highway.

#### **1.5 SURVEY AREA**

The survey area was designed to be a reconnaissance survey over the claim with some readings being taken at the historic work areas. A traverse was targeted to cover the Kimberlite area with an additional traverse towards the southern extent of the property.

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## 2. SURVEY WORK UNDERTAKEN

### 2.1 SURVEY LOG

Date	Description	Line	Min Ex- tent	Max Ex- tent	Total Survey (km)
November 9, 2014	Locate survey area and conduct survey.				2.1

***Table 1: Survey Log***

### 1.1 PERSONNEL

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

### 1.2 SURVEY SPECIFICATIONS

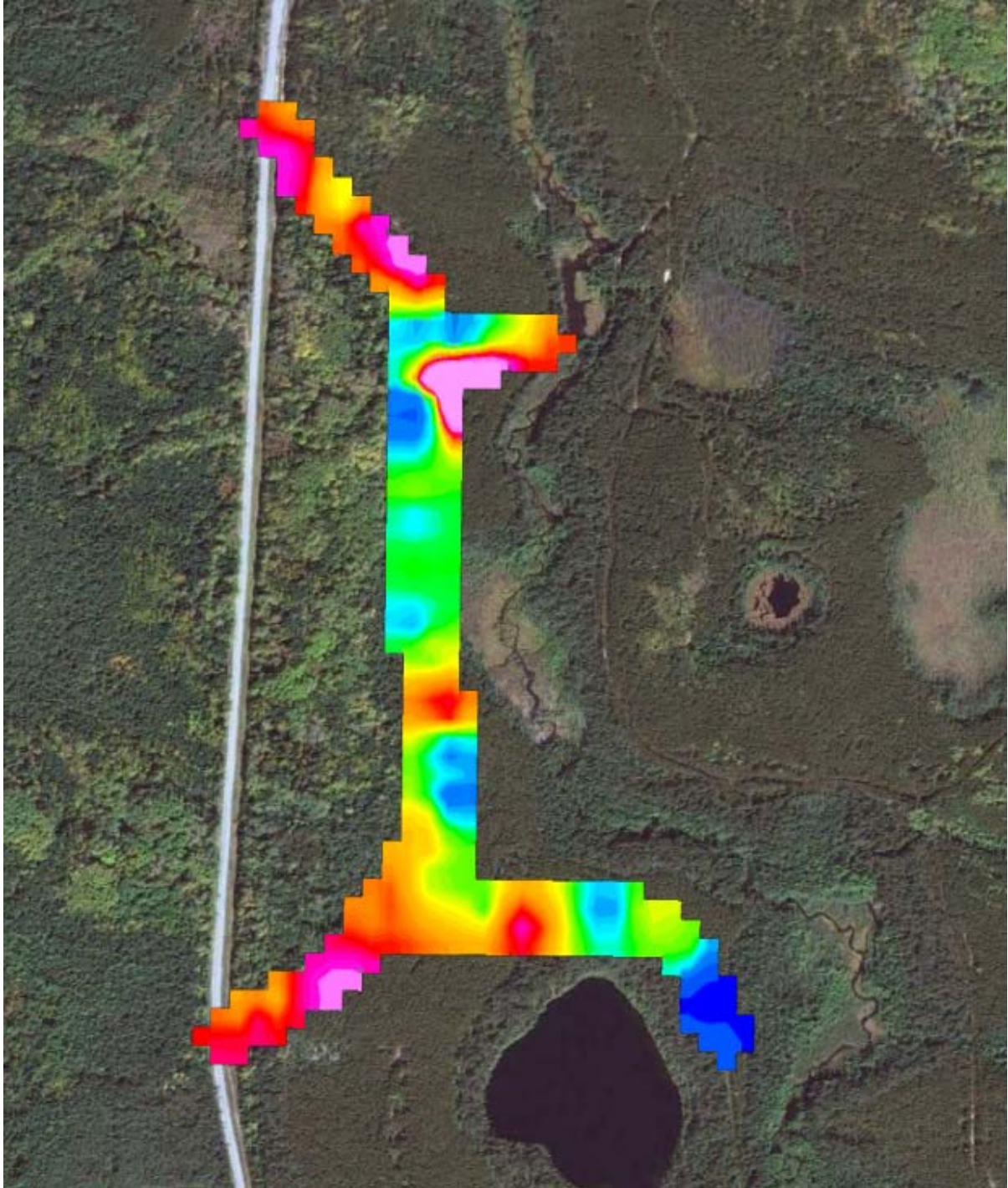
The survey was conducted with a GDD Beep Mat BM8 system. This system was integrated with a Garmin GPSmap 76 GPS with an external antenna. The BM8 was set to automatically take a simultaneous GPS and HFR and LFR measurement every second. Every 15 minutes the BM8 was re-initialized.

A total of 2.1 kilometers of no grid beep mat was performed on November 9, 2014. This consisted of 176 HFR and LFR samples taken at 4 second intervals.

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## 2. OVERVIEW OF SURVEY RESULTS

### 2.1 SUMMARY



**Figure 2: High Frequency Response on Google Earth**

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Only one area was highlighted during the course of the survey. This location fell around UTM location 583293E 5344320N. At this point a maximum HFR, LFR and Rt response was achieved. Being related to a single reading may indicate the response is due to a localized single location and not a geologic system. This being said the area should be checked for the source of the anomaly as it may prove a pathfinder to a more valuable target.



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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 have an interest in the properties and securities of **Gold Diamet Resources 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.

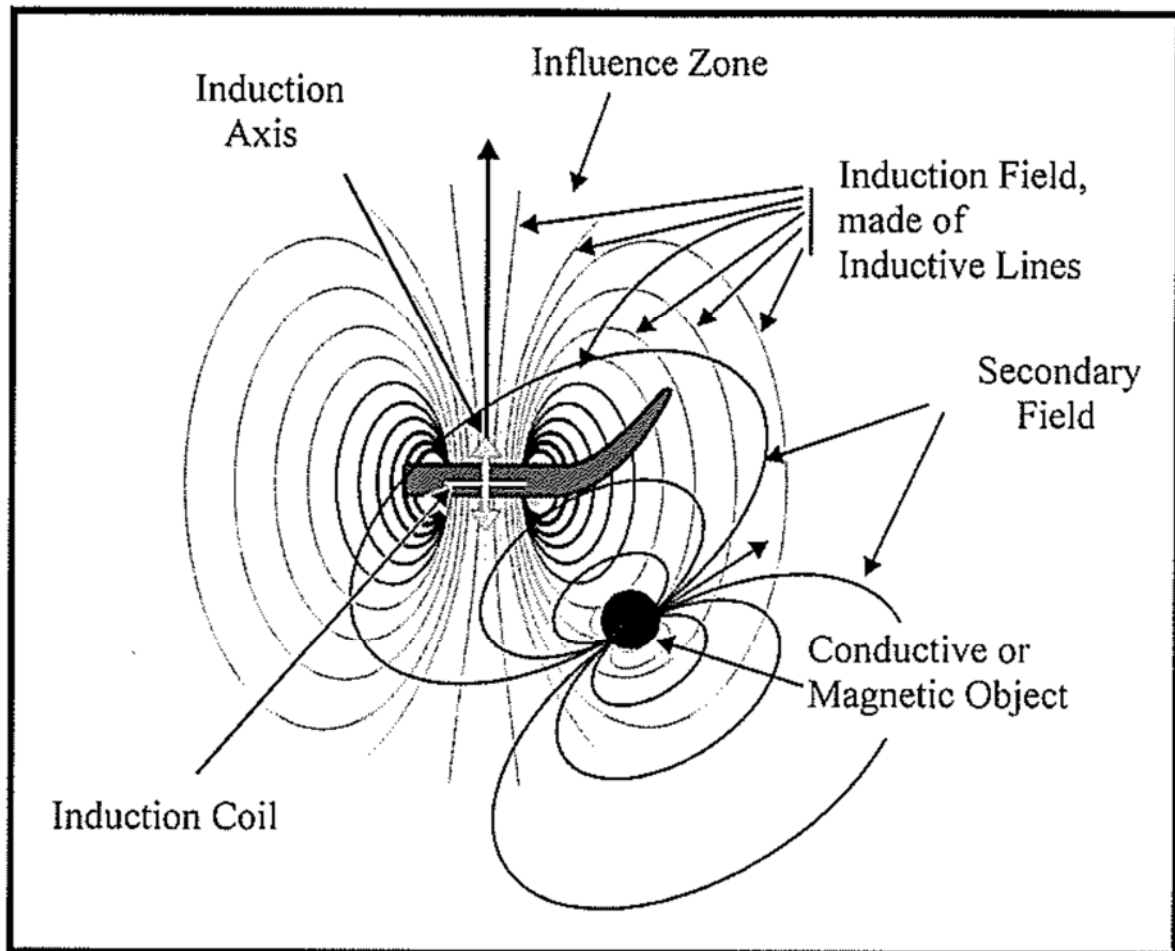
Larder Lake, ON  
January 12, 2015

## 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
Tide tables:	yes



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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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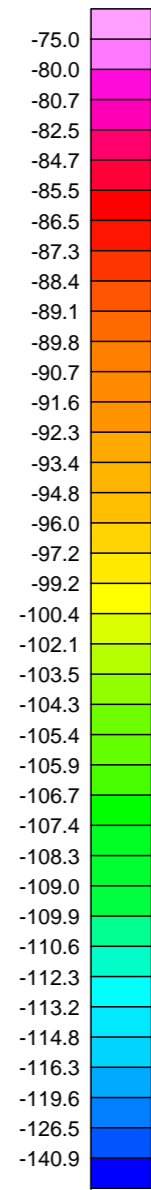
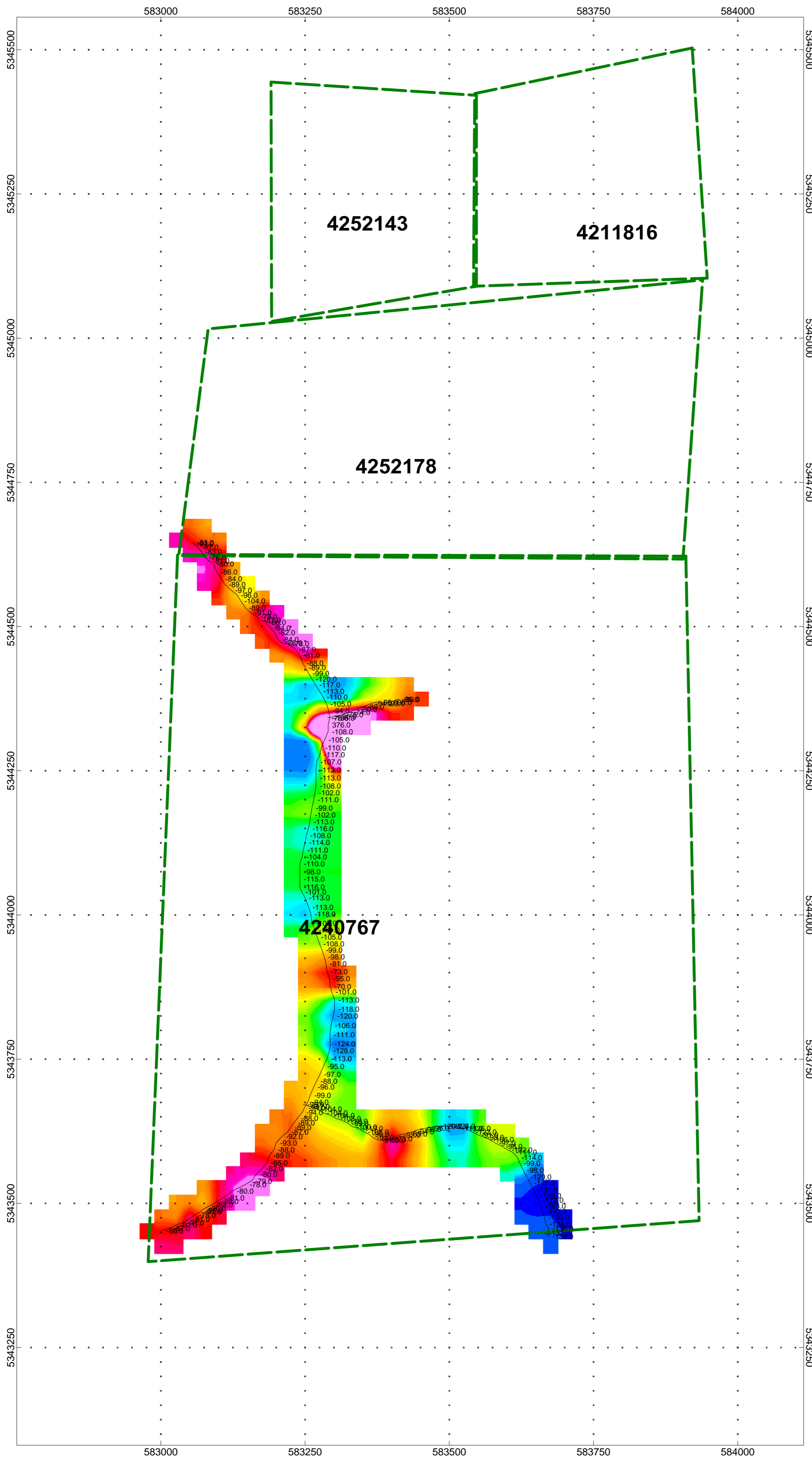
## **APPENDIX C**

### **LIST OF MAPS (IN MAP POCKET)**

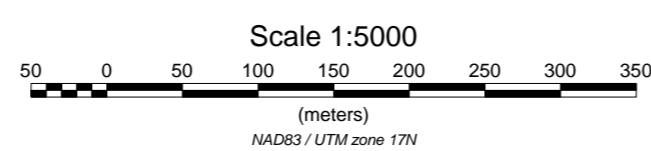
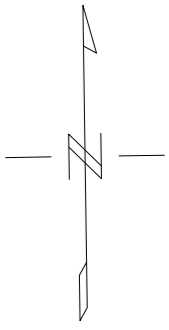
Posted Color Contour Maps (1:5000)

- 1) GOLD DIAMET-A1 WEST-BEEPMAT-HFR
- 2) GOLD DIAMET-A1 WEST-BEEPMAT-LFR
- 3) GOLD DIAMET-A1 WEST-BEEPMAT-Rt

**TOTAL MAPS=3**



High Frequency Response



**Gold Diamet Resources Ltd.**

**A1 PROPERTY  
Arnold Township, Ontario**

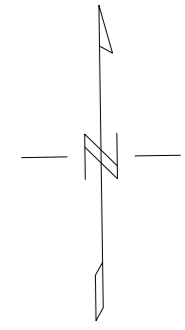
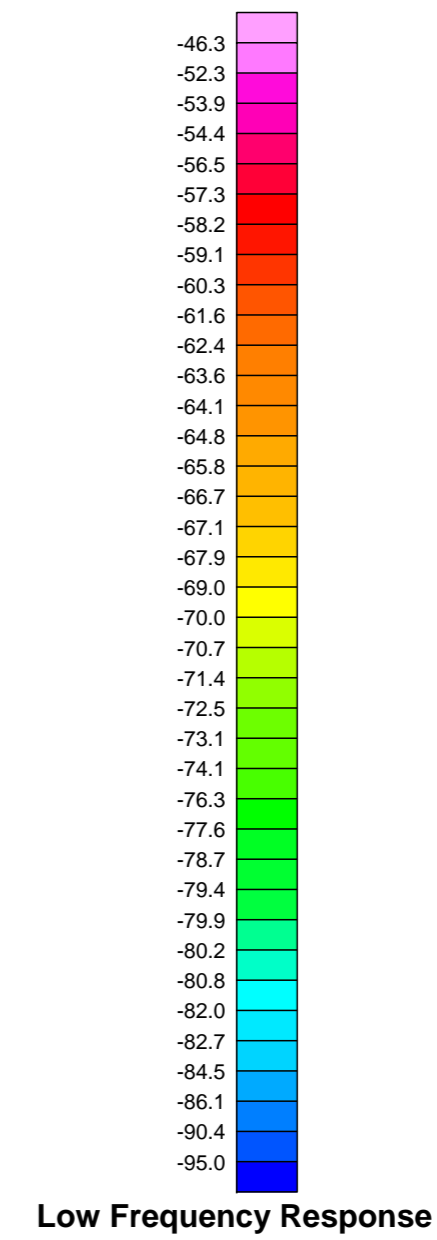
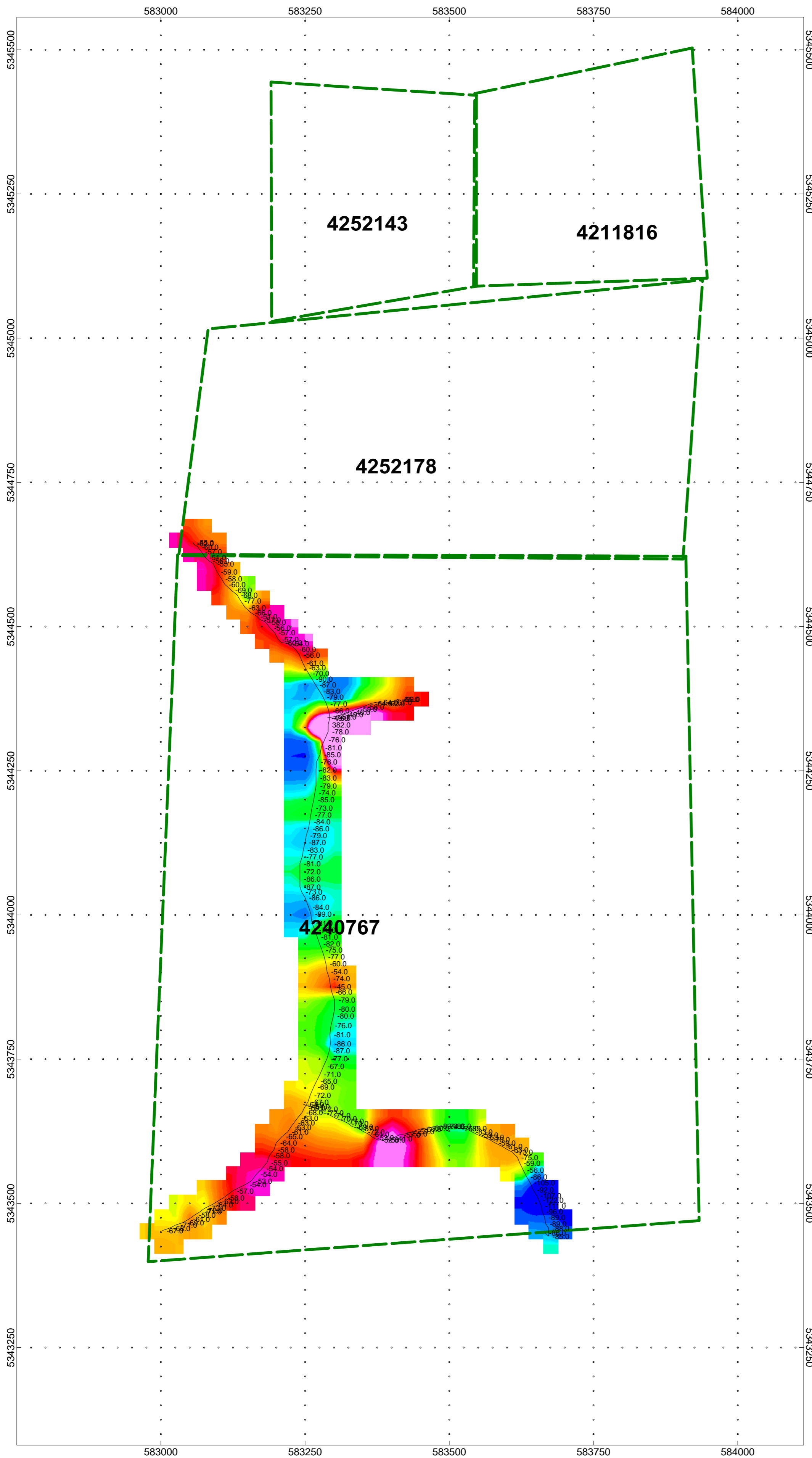
HIGH FREQUENCY RESPONSE BEEP MAT PLAN MAP

Posting Level: 0  
Station Separation: 4 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.  
January 2015

Drawing: GOLD DIAMET-A1 WEST-BEEP MAT-HFR



**Gold Diamet Resources Ltd.**

**A1 PROPERTY  
Arnold Township, Ontario**

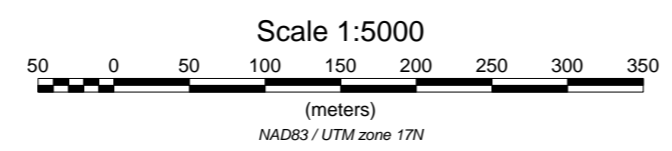
LOW FREQUENCY RESPONSE BEEP MAT PLAN MAP

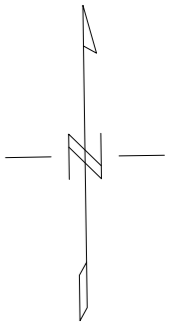
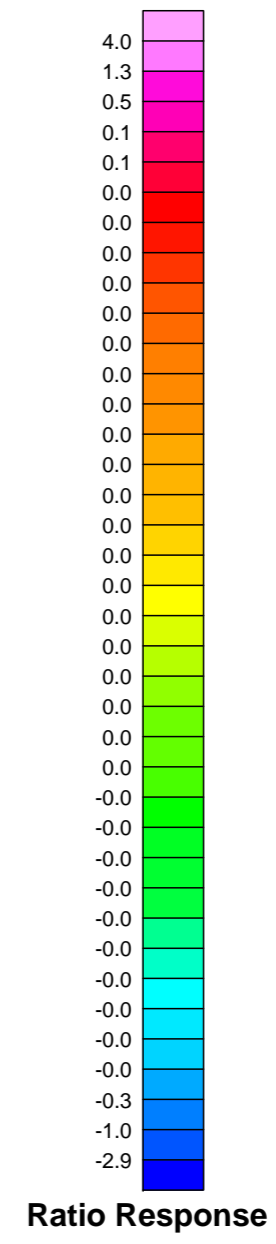
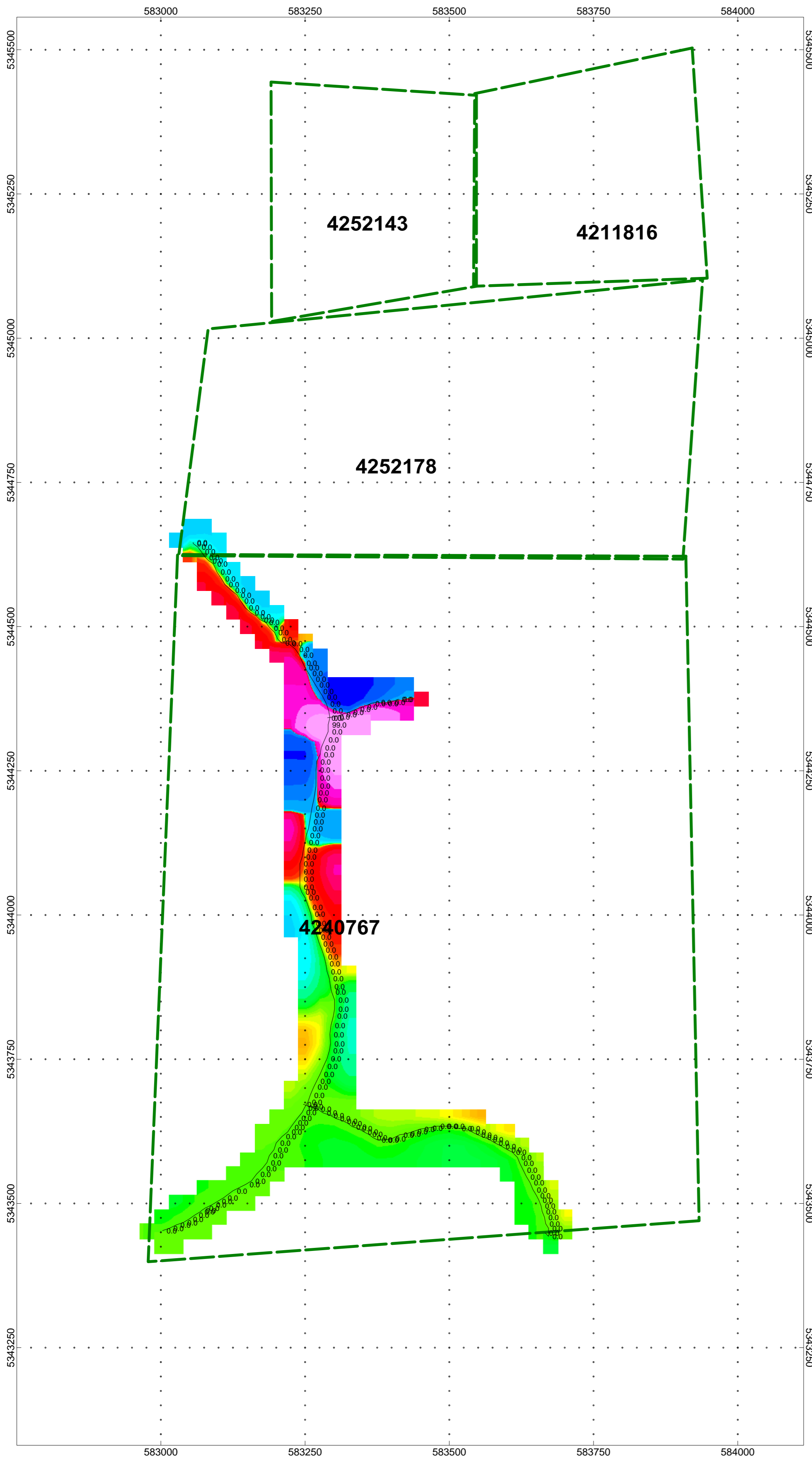
Posting Level: 0  
Station Separation: 4 second interval

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.  
January 2015

Drawing: GOLD DIAMET-A1 WEST-BEEP MAT-LFR





**Gold Diamet Resources Ltd.**

**A1 PROPERTY  
Arnold Township, Ontario**

RATIO RESPONSE BEEP MAT PLAN MAP

Posting Level: 0  
Station Separation: 4 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.  
January 2015

Drawing: GOLD DIAMET-A1 WEST-BEPMAT-Rt

