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Report

Drone Magnetometer Survey
for
Nitinat Minerals Corporation

Carscallen Township
Porcupine Mining Division



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1.0 Introduction

Mining claims 110008, 158565, 307017, 276461, 158566, 276460, 210557, 247012, 306839, 233495, 173427, 126824, 179349, 318816, 190841, 149554, 122098 and 126825 are located in Carscallen Twp, Porcupine Mining Division. Small portions of above claims fall into Godfrey and Bristol Townships, as a result of recent conversion to Cell Claims and Boundary Claims.

A general location and access map is presented as **Figure 1**.

A detailed claim location map is presented as **Figure 2**.

On November 20th, 2018 above claims were surveyed using a Geometrics MFAM magnetometer mounted on a DJI M600 drone. Zen Geomap of Timmins, Ontario, carried out the survey on a contract basis for Nitinat Minerals Corporation. The survey was performed in order to map the magnetic signature of the underlying lithology.

Data processing and maps were completed between Nov 21st and 27th, 2018.

Assessment report was prepared between Nov 27th and Dec 16th, 2018.

2.0 Location and Access

The mining claims are located approx 20 kilometers west of Timmins, Ontario in Carscallen Township, Porcupine Mining Division. Access was gained from Timmins by traveling 27 kilometers along HWY 101 and local logging road (Mallette Road).

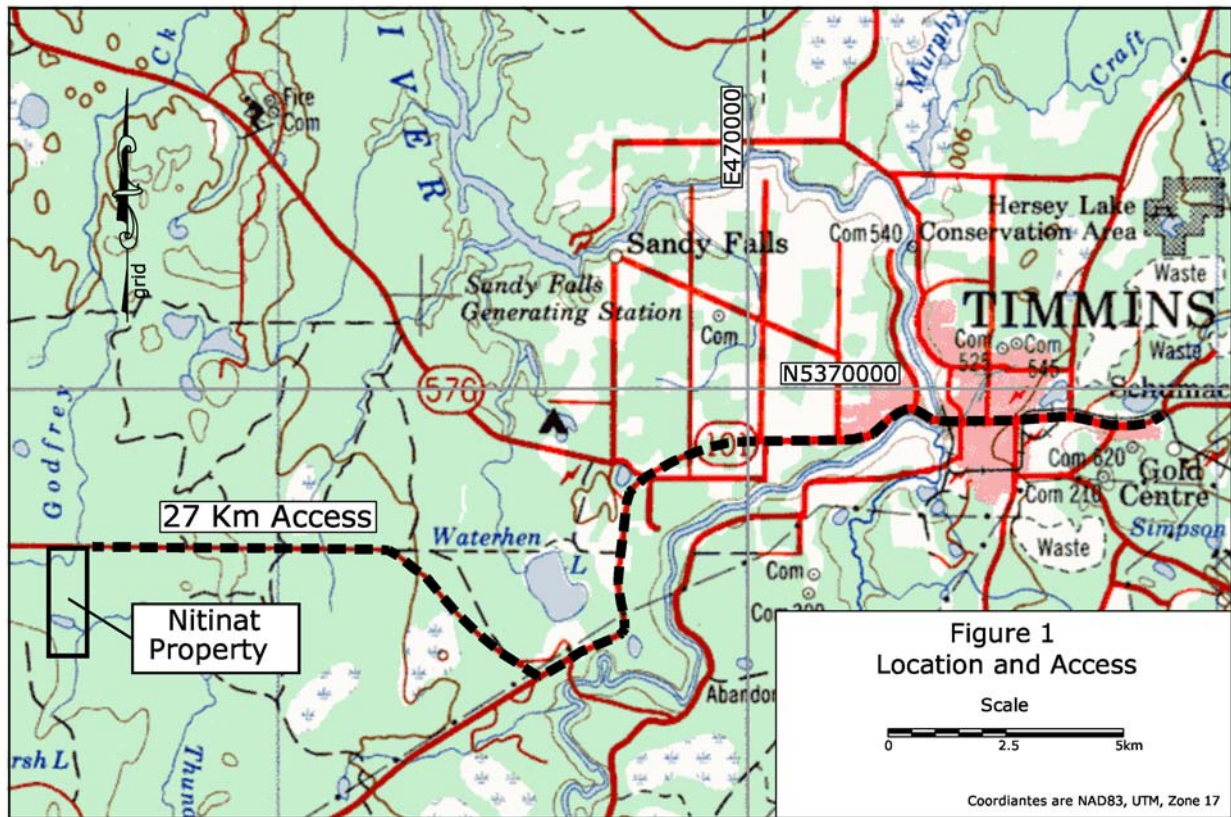


Figure 1 – Location and Access

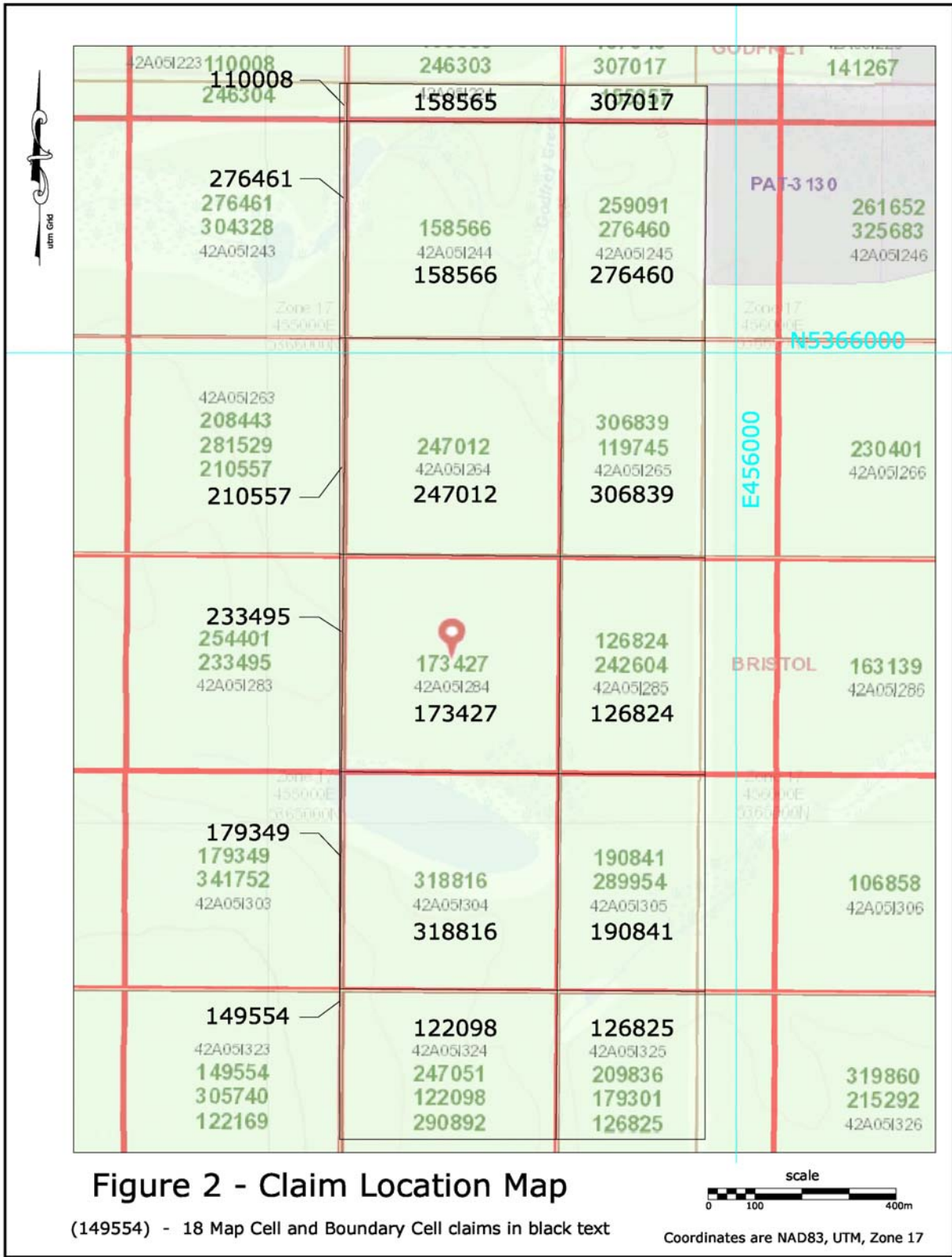


Figure 2 – Claim Location Map

3.0 Regional and Local Geology

Figure 3 shows the location of Carscallen and Denton Townships on a regional scale, including general geology and location of major faults, such as the PDFZ (Porcupine Destor Fault Zone).

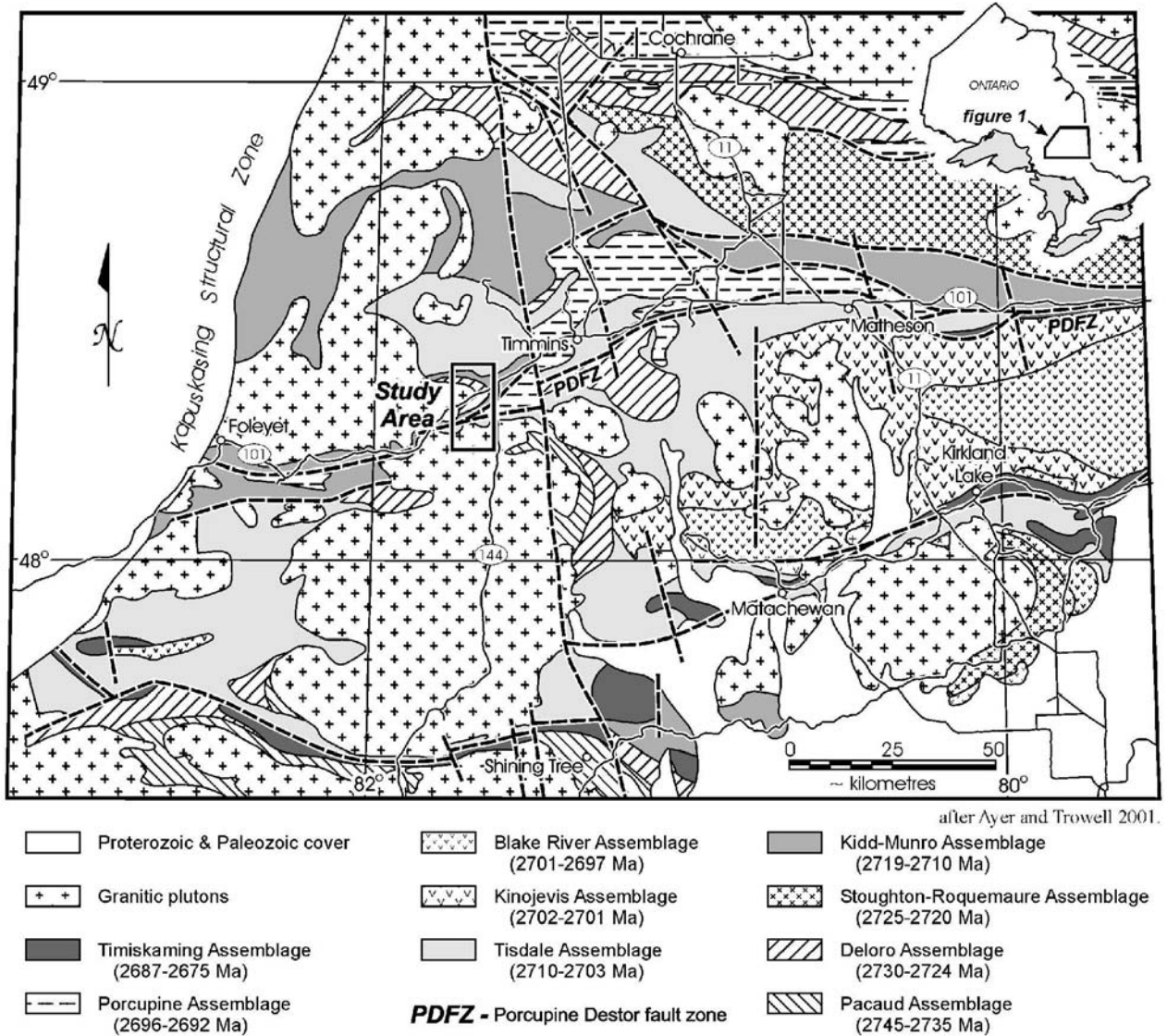


Figure 3

Reference: Page 2 from Ontario Geological Survey, Open File Report 6093. Precambrian Geology of Denton and Carscallen Townships, Timmins West Area. Published in 2002 by L.A.F. Hall and M.D. Smith.

On a local scale, the Carscallen Property sits within the Kidd-Munro assemblage. **Figure 4** shows the location of Carscallen Property overlaid on a local-scale geology map from OFR 6093.

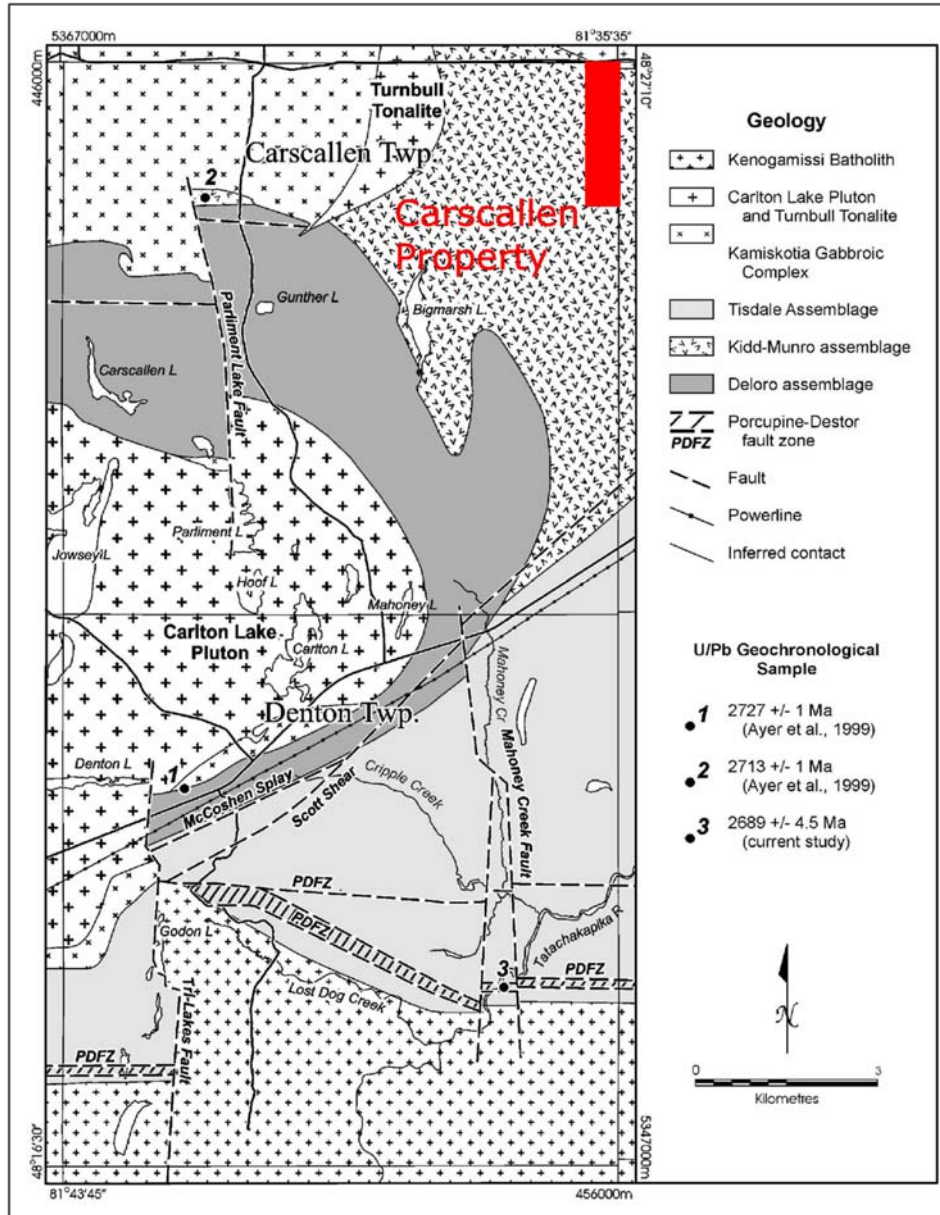


Figure 4

Reference: Page 7 from Ontario Geological Survey, Open File Report 6093. Precambrian Geology of Denton and Carscallen Townships, Timmins West Area. Published in 2002 by L.A.F. Hall and M.D. Smith.

4.0 Type of Mineral Deposit / Commodity

Gold is the focus of exploration in the Timmins West area.

Within the boundary of Carscallen Property, 1 historical showing is described through **MDI42A05NE0084** and summarized as follows;

Alsof Mines Showing No. 2 (1964)
Best grab sample was 4.51 oz/t Au
Best drill intersection was 0.05 oz/t Au over 1.8ft

Approximately 90 meters north of Carscallen Property, 1 historical showing is described through **MDI42A05SE00011** and summarized as follows;

Alsof Mines Sample 1176 (1964)
0.08 oz/t Au

Approximately 45 metres north of Carscallen Property, 1 historical showing is described through **MDI42A05NE00088** and summarized as follows;

Alsof Mines Showing No. 1 (1941)
Grab samples as high as 4.51 oz/t Au

5.0 Property History

The Carscallen Property in its current configuration dates back to the staking of Legacy Claims 4261694, 4266738, 4270916 and 4277646 between February, 2013 and September, 2014.

The previous claimholders (Gilles Allaire and Doug Lalonde), carried out prospecting, assay and stripping between Oct, 2014 and Sept, 2017 including assay values on samples listed below;

Sample 1133557 **562ppb Au**
Sample 37307 **3.2 g/t Au**
Sample 1133594 **1069 ppb Au**
Sample “near stripped area” **2.26 g/t Au**

Above work can be found in work report numbers;

W1460.01997

W1560.01559

W1560.01560

W1560.01561

The original claimholders transferred the property to Inspiration Mining Corporation in November, 2015.

Inspiration Mining transferred the property to Nitinat Minerals Corporation in November, 2017.

Full mining claim abstracts for above Legacy Claims is provided in ***Appendix 4***.

6.0 Summary of 2018 drone magnetic survey

The program consisted of a drone magnetic survey carried out on a grid with 16 North-South lines spaced at 50 metres and 4 East-West tie lines.

Total line kilometers: **41.4**

Altitude: **35m above ground level**

A Geometrics MFAM magnetometer mounted on a DJI M600 Pro hexacopter drone was used to survey all grid lines.

A Geometrics G856AX proton procession magnetometer was operated as a base station throughout the survey to provide diurnal monitoring of the local magnetic field variations.

Equipment specifications are provided in ***Appendix 1 and 2***.

7.0 Processing

Magnetometer data was collected on 2 Geometrics MFAM sensors operating at 1000hz. The data was processed through a custom program operating in Python. This converts raw data from Geometrics MFAM into a format compatible with Geosoft Oasis Montaj.

Customized import templates were used within Geosoft, to identify and separate mag readings into organized grid and tie lines. This step eliminates extraneous mag data collected as the drone travels to and from the grid.

Grid and tie line data were corrected to remove *heading error* and *lag*. Corrected grid data was then *leveled* based on tie lines.

8.0 Discussion of Results

The magnetic survey on the Carscallen grid indicates a relatively quiet magnetic background with magnetic values ranging between 55646 and 56090 nT. The background magnetic field strength is 55847 nT. The overall magnetic pattern is disrupted by several moderate strength linear anomalous magnetic high striking at approximately 0 and 295 degrees azimuth. These magnetic anomalies have been identified and labeled as M1, M2, M3, M4 and M5 and are located in the central portion of the grid area and are easily observed on the magnetic contour map. These magnetic anomalies may represent a mafic diabase dike, common to this geologic setting or possibly mafic or ultramafic lithology.

In addition to magnetic anomalies M1 to M5, several possible fault zones have been interpreted within the grid area. These anomalies may represent major lithological contacts or structural anomalies which may be significant in this area. These anomaly locations are indicated and shown on the contour map.

The isomagnetic contour pattern suggests an underlying lithology striking in a east-west direction; notwithstanding the disruptive magnetic anomalies located within the grid area. All of the anomalies are easily identified and are labeled on the plan maps.

The results of the magnetic survey are presented as contoured total field and 1st vertical derivative maps.

9.0 Conclusions and Recommendations

The magnetic survey completed over the Carscallen grid was successful in mapping several zones of anomalous magnetic anomalies. These anomalies are thought to arise from bedrock sources, and may have implications for follow-up exploration.

Any existing geological or geochemical information for the surveyed grid area will aid in further assessing any geophysical anomalies and should be incorporated into an overall assessment of the property prior to further exploration.

Magnetic data collected by drone at high density and low altitude is ideal for 3D inversion modeling. The cost for this type of advanced modeling would start at approximately \$2,000 and up to \$8,000. 3D inversion modeling is recommended as the next step for evaluating Carscallen Property.

Respectively Submitted,

A handwritten signature in purple ink that reads "Matthew Johnston". The signature is written in a cursive, flowing style.

Matthew Johnston

Statement of Qualifications

This is to certify that: MATTHEW JOHNSTON

I am a resident of Timmins; province of Ontario since June 1, 1995.

I am self-employed as a Consulting Geophysicist, based in North Bay, Ontario.

I have received a B.Sc. in geophysics from the University of Saskatchewan; Saskatoon, Saskatchewan in 1986.

I have been employed as a professional geophysicist in mining exploration, environmental and other consulting geophysical techniques since 1986.

I am a member in good standing with the Association of Professional Geoscientists of Ontario as a Practicing member; membership no. 2046

Signed in North Bay, Ontario, this December 16, 2018

A handwritten signature in dark ink, appearing to read "Matthew Johnston". The signature is written in a cursive style with some overlapping letters.

Appendix I

Geometrics MFAM Magnetometer Specifications

System Basics

- System utilizes 2 MFAM sensors
- Sensors are controlled by 1 sensor module
- Sensor module communicates with a Texas Instruments main board
- Sensitivity: 0.00003nT
- Sensors operate at 1000Hz (collect 1000 readings per second on both sensors)

Technical Specifications

SPECIFICATIONS:

Mechanical:

Enclosure Dimensions: 9" x 6 5/8" x 1 3/16"

Sensor Cable length (Development box to Sensor): 20.5 inches

Power:

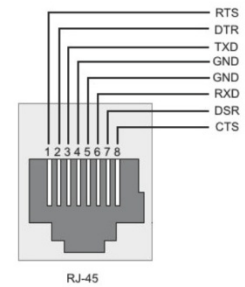
AC adapter: 13.5 to 16 Volts DC at 1.0A

Battery Pack: 12 volt 1800 mA-Hour Lithium Polymer

FEATURES:

- 1) **TIVA TM4C1294NCPDT Micro controller:** This is a 32 bit ARM Cortex-MF4 based microcontroller running at up to 120 MHz. It has 1024K of flash, with 256K bytes of RAM, and 6 KBytes of EEPROM.
- 2) **USB 2.0 Micro Connector:** USB functionality is provided by the TIVA microcontroller and TIVAWare support libraries.
- 3) **Four User LEDs:** Four user controlled LEDs are wired to TIVA microcontroller GPIO pins PK0, PK1, PN0, and PN1.
- 4) **Two User Switches:** Two user read switches are wired to the microcontroller pins PK6 and PJ1.
- 5) **One Microcontroller Reset Switch:** This switch is used to reset the microcontroller.
- 6) **Wi-Fi port for TI CC3100 Wi-Fi Booster Pack:** The Development board layout allows a TI CC3100 Wi-Fi Booster pack to be directly plugged in. Using TIVAWare libraries, software can be developed to allow Wi-Fi communication between the Development board and a computer.
- 7) **USB XDS110 Port for Firmware Downloading and Debugging:** This second USB port is used as a debug/firmware download interface between the TI Code Composer Studio development suite and the Development Kit.

- 8) **Two RS-232 Serial Ports with RJ-45 Connectors:** Two general purpose serial ports are available to the user. The first serial port is wired to TIVA microcontroller UART4, and supports RTS and CTS handshaking. The second serial port is wired to TIVA microcontroller UART5. This port supports only TxD and RxD. Both of these ports use +/- 8 volt voltage swings, and support baud rates up to 920 KBaud. Note that these two ports are wired as Data Terminal Equipment (DTE) Thus to connect either of these two ports to a computer it would need to connect through a null modem. .



- 9) **On Board GPS Module:** An Adafruit GPS module is included with the Development Kit. It features 66 channels, -165 dBm sensitivity, and 3 Meter accuracy. An external GPS antenna is included so that signals can be received inside the box even with the cover in place. By default the GPS powers up to 9600 baud with several GPS sentences being output. The firmware that comes with the Development kit reconfigures the GPS to output only an RMC sentence at 115200 baud. This RMC string is sent with the output TCP data packet as described in the “Ethernet Data Format” section. The GPS is wired to UART7 on the TIVA microcontroller using 0-3.3 volt logic swings.

Figure 3: Serial Port Pinout

The 1PPS pulse from this GPS goes to the MFAM development module and disciplines the cycle rate to exactly 1 kiloSamples per second.

- 10) **Micro SD Card Slot for Storing Data Locally:** A micro SD card slot is available for the user to read and write data using a SPI interface. It is connected to SPI port 1 of the TIVA microcontroller.
- 11) **10 MHZ Timing Reference Input Port:** This input port takes a 10 MHz reference signal from a GPS disciplined reference oscillator, buffers and squares it up, and sends it to the MFAM module. The purpose of this signal is to lock the MFAM clocking system to this reference signal so that the Larmor frequency can be measured to an absolute standard. At this time, the MFAM does not support this feature. This function will be implemented in the future.
- 12) **Ethernet port with Power over Ethernet Compatibility:** The Tiva microcontroller contains a fully integrated Ethernet MAC and PHY. In addition, the Ethernet port can power the Development Kit via Power over Ethernet (PoE) using an Ethernet power injector.
- 13) **1.8 Amp-Hour Battery pack:** Three on board lithium/polymer batteries can power the system for 2 hours. A switch on the Development board allows the battery to be turned on/off. In addition, if the battery voltage falls below 8 volts the MFAM module will automatically shut down while keeping the microcontroller alive.
- 14) **Integrated Battery Charging system:** A lithium/polymer battery charging system is on board. If the battery switch is turned on, and the AC power adapter is plugged in, the batteries will be charged.
- 15) **Four Differential Analog Input Channels:** There are four differential analog inputs available for use. Channels 0 and 1 are +/- 2.5 volts full scale, while channels 2 and 3 are 0 to +5 volts full scale. In the firmware supplied with the Development kit (which sends MFAM/GPS data to the MFAMConsole program on the computer), all four channels are sampled synchronously with the MFAM data input to the Tiva are included in the data stream.
- 16) **On board Power/Status LEDs:** Several Status and Power LEDs are arranged along the front edge of the board. They include the four user LEDs, Power status LEDs (which power source is powering the board, and whether the battery is charging or the voltage low). They are listed in the Front and Back Panel Connection and Indicator section below.

Appendix II

Geometrics G856AX
Proton procession magnetometer specifications

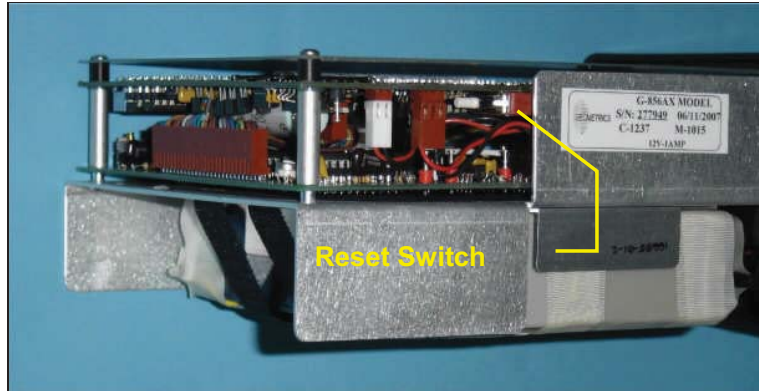


Figure 23. Internal reset switch.

Specifications

- Displays - Six digit display of magnetic field to resolution of 0.1 gamma or time to nearest second. Additional three-digit display of station, day of year, and line number.
- Resolution - Typically 0.1 gamma in average conditions. May degrade to lower resolution in weak fields, noisy conditions or high gradients.
- Absolute accuracy - One gamma, limited by remnant magnetism in sensor and crystal oscillator accuracy.
- Clock - Julian clock with stability of 5 seconds per month at room temperature and 5 seconds per day over the temperature range of -20 to +50 degrees Celsius.
- Tuning - Push button tuning from keyboard with current value displayed on request. Tuning range 20 to 90 μ T.
- Gradient - Tolerates gradients to 1800 gammas/meter. When high Tolerance gradients truncate count interval, maintains partial reading to an accuracy consistent with data.
- Cycle Time - Complete field measurement in three seconds in normal operation. Internal switch selection for faster cycle (1.5 seconds) at reduced resolution or longer cycles for increased resolution.
- Manual Read - Takes reading on command. Will store data in memory on command.
- Memory - Stores more than 5700 readings in survey mode, keeping track of

time, station number, line number day and magnetic field reading. In base station operation, computes for retrieval but does not store time of recording designated by sample interval, allowing storage of up to 12,000 readings.

- Output - Plays data out in standard RS-232 format at selectable baud rates. Also outputs data in real time byte parallel, character serial BCD for use with digital recorders.
- Inputs - Will accept an external sample command.
- Special - An internal switch allows:
 - adjustment of Functions polarization time and count time to improve performance in marginal areas or to improve resolution or speed operation
 - three count averaging
 - choice of lighted displays in auto mode.
- Physical -
 - Instrument console: 7 x 10 ½ x 3 ½ inches (18 x 27 x 9 cm), 6 LB (2.7 kg)
 - Sensor: 3 1/2 x 5 inches (9 x 13 cm), 4 LB (1.8 kg)
 - Staff: 1 inch x 8 feet (3cm x 2.5m), 2 LB (1kg)
- Environmental: Meets specifications from 1 to 40°C. Operates satisfactorily from -20 to 50°C.
- Power - Depending on version, operates from internal rechargeable Gel-cells or 9 D-cell flashlight batteries . May be operated from external power ranging from 12 to 18 volts external power. Power failure or replacement of batteries will not cause loss of data stored in memory.
- Standard system (P/N 16600-02) components:
 - Sensor (P/N 16076-01) and sensor cable (P/N 16134-01)
 - Console (P/N 16601-01)
 - Staff, one top section (P/N 16535-01), two middle sections (P/N 16536-01) and 1 bottom section (P/N 16537-01)
 - Carry harness (P/N 16002-02)
 - Two sets of rechargeable batteries (P/N 16697-01) and battery charger (P/N 16699-01)
 - Carrying case (P/N 16003-01)
 - Download cable (P/N 16492-01)
 - Hardcopy operation manual (P/N 18101-02)
 - Magnetometer CD (P/N 26648-01)
- Optional accessories:
 - Tripod kit for base-station operation (P/N 16708-02)
 - Gradiometer kit (P/N 166651-01)
 - Gradiometer carry/storage case (16003-01)

Appendix IV

Legacy Claims
Full Abstracts

Full Abstract

Claim No: P 4261694

Status: Active

Due Date:	2019-JAN-02	Recorded:	2014-JAN-02
Work Required:	\$ 1,600	Staked:	2013-DEC-26 15:15

Total Work:	\$ 3,200	Description of Claim:	CARSCALLEN (G-3040)
Total Reserve:	\$ 0		
Present Work Assignment:	\$ 0		
Claim Bank:	\$ 0	Claim Units:	4
Total C-I-L Payments:	\$ 1,600	Multiple Townships:	1
Last C-I-L Payment Date:	2016-DEC-14		

Percentage	Client#	Recorded Holder(s)				
100.00	413626	NITINAT MINERALS CORPORATION				
Type	Date	Applied	Description	Performed	Assigned	Transaction#
STAKER	2014-JAN-02		RECORDED BY ALLAIRE, GILLES ANDRE J (M25509)			R1460.00007
STAKER	2014-JAN-02		ALLAIRE, GILLES ANDRE J (101767) RECORDS 50.0 % IN THE NAME OF LALONDE, DOUGLAS JOSEPH (156077)			R1460.00008
WORK	2015-JUL-27	\$ 500	WORK APPLIEDASSAY, PROSP APPROVED: 2015-JUL-29			W1560.01560
WORK	2015-JUL-27	\$ 1,100	WORK APPLIEDPROSP APPROVED: 2015-JUL-29			W1560.01561
TRAN	2015-NOV-23		LALONDE, DOUGLAS JOSEPH (156077) TRANSFERS 50.0 % TO INSPIRATION MINING CORPORATION (402613)			T1560.00279
TRAN	2015-NOV-23		ALLAIRE, GILLES ANDRE J (101767) TRANSFERS 50.0 % TO INSPIRATION MINING CORPORATION (402613)			T1560.00281
WORK	2016-DEC-14	\$ 1,600	CASH-IN-LIEU PAYMENT APPLIED			W1660.02052
TRAN	2017-NOV-16		INSPIRATION MINING CORPORATION (402613) TRANSFERS 100.0 % TO NITINAT MINERALS CORPORATION (413626)			T1760.00485
OTHER	2017-DEC-14		REGULATION 455/17 EXCLUDES 365 DAYS AND SETS NEW ANNIVERSARY DATE 2019-JAN-02			O1760.00773
MISC	2018-APR-10		Converted to cell claim(s) 173427, 247012, 318816 and boundary claim(s) 122098, 126824, 126825, 190841, 306839.			MAM00.23943

Reservation:

- 01 400' surface rights reservation around all lakes and rivers
- 02 Sand and gravel reserved
- 03 Peat reserved
- 04 Other reservations under the Mining Act may apply
- 05 Including land under water
- 06 Excluding road

Full Abstract

Claim No: P 4266738

Status: Active

Due Date:	2019-AUG-01	Recorded:	2014-AUG-01
Work Required:	\$ 800	Staked:	2014-JUL-31 13:40

Total Work:	\$ 1,600	Description of Claim:	CARSCALLEN (G-3040)
Total Reserve:	\$ 0		
Present Work Assignment:	\$ 0		
Claim Bank:	\$ 0	Claim Units:	2
Total C-I-L Payments:	\$ 800	Multiple Townships:	1
Last C-I-L Payment Date:	2017-JUL-27		

Percentage	Client#	Recorded Holder(s)				
100.00	413626	NITINAT MINERALS CORPORATION				
Type	Date	Applied	Description	Performed	Assigned	Transaction#
STAKER	2014-AUG-01		RECORDED BY BOUCHARD, BARRON ALEXANDRE (M21185)			R1460.01422
STAKER	2014-AUG-01		BOUCHARD, BARRON ALEXANDRE (110459) RECORDS 50.0 % IN THE NAME OF LALONDE, DOUGLAS JOSEPH (156077)			R1460.01423
STAKER	2014-AUG-01		BOUCHARD, BARRON ALEXANDRE (110459) RECORDS 50.0 % IN THE NAME OF ALLAIRE, GILLES ANDRE J (101767)			R1460.01424
WORK	2015-JUL-27	\$ 800	WORK APPLIEDPROSP APPROVED: 2015-JUL-29			W1560.01559
TRAN	2015-NOV-23		LALONDE, DOUGLAS JOSEPH (156077) TRANSFERS 50.0 % TO INSPIRATION MINING CORPORATION (402613)			T1560.00279
TRAN	2015-NOV-23		ALLAIRE, GILLES ANDRE J (101767) TRANSFERS 50.0 % TO INSPIRATION MINING CORPORATION (402613)			T1560.00281
WORK	2017-JUL-27	\$ 800	CASH-IN-LIEU PAYMENT APPLIED			W1760.01421
TRAN	2017-NOV-16		INSPIRATION MINING CORPORATION (402613) TRANSFERS 100.0 % TO NITINAT MINERALS CORPORATION (413626)			T1760.00485
OTHER	2017-DEC-14		REGULATION 455/17 EXCLUDES 365 DAYS AND SETS NEW ANNIVERSARY DATE 2019-AUG-01			O1760.00861
MISC	2018-APR-10		Converted to cell claim(s) 173427, 247012, 318816 and boundary claim(s) 179349, 210557, 233495.			MAM00.32199

Reservation:

- 01 400' surface rights reservation around all lakes and rivers
- 02 Sand and gravel reserved
- 03 Peat reserved
- 04 Other reservations under the Mining Act may apply
- 05 Including land under water

Full Abstract

Claim No: P 4270916

Status: Active

Due Date:	2019-FEB-19	Recorded:	2013-FEB-19
Work Required:	\$ 1,600	Staked:	2013-FEB-13 15:05

Total Work:	\$ 4,800	Description of Claim:	
Total Reserve:	\$ 212		CARSCALLEN (G-3040)
Present Work Assignment:	\$ 4,000		
Claim Bank:	\$ 0	Claim Units:	4
Total C-I-L Payments:	\$ 0	Multiple Townships:	1
Last C-I-L Payment Date:			

Percentage	Client#	Recorded Holder(s)
100.00	413626	NITINAT MINERALS CORPORATION

Full Abstract

Claim No: P 4270916

Status: Active

Type	Date	Applied	Description	Performed	Assigned	Transaction#
STAKER	2013-FEB-19		RECORDED BY ALLAIRE, GILLES ANDRE J (M25509)			R1360.00378
TRAN	2014-JAN-02		ALLAIRE, GILLES ANDRE J (101767) TRANSFERS 50.0 % TO LALONDE, DOUGLAS JOSEPH (156077)			T1460.00001
TRAN	2014-JAN-02		ALLAIRE, GILLES ANDRE J (101767) TRANSFERS 50.0 % TO LALONDE, DOUGLAS JOSEPH (156077)			T1460.00015
OTHER	2014-JAN-02		TRANSFER - T146000015 - ENTERED IN ERROR			U1460.00003
OTHER	2014-OCT-14		WORK PERFORMED ASSAY, PMAN, PROSP, PSTRIP APPROVED: 2014-OCT-30	\$ 4,754		Q1460.01997
WORK	2014-OCT-14	\$ 3,200	WORK APPLIED ASSAY, PMAN, PROSP, PSTRIP APPROVED: 2014-OCT-30			W1460.01997
OTHER	2015-JUL-27		WORK PERFORMED PROSP APPROVED: 2015-JUL-29	\$ 800	\$ 800	Q1560.01559
OTHER	2015-JUL-27		WORK PERFORMED ASSAY, PROSP APPROVED: 2015-JUL-29	\$ 2,358	\$ 500	Q1560.01560
OTHER	2015-JUL-27		WORK PERFORMED PROSP APPROVED: 2015-JUL-29	\$ 1,100	\$ 1,100	Q1560.01561
WORK	2015-JUL-27	\$ 1,600	WORK APPLIED ASSAY, PROSP APPROVED: 2015-JUL-29			W1560.01560
TRAN	2015-NOV-23		LALONDE, DOUGLAS JOSEPH (156077) TRANSFERS 50.0 % TO INSPIRATION MINING CORPORATION (402613)			T1560.00279
TRAN	2015-NOV-23		ALLAIRE, GILLES ANDRE J (101767) TRANSFERS 50.0 % TO INSPIRATION MINING CORPORATION (402613)			T1560.00281
OTHER	2016-SEP-13		WORK ASSIGNED		\$ 800	G1660.01492
OTHER	2017-SEP-06		WORK ASSIGNED		\$ 754	G1760.01726
OTHER	2017-SEP-06		WORK ASSIGNED		\$ 46	G1760.01729
TRAN	2017-NOV-16		INSPIRATION MINING CORPORATION (402613) TRANSFERS 100.0 % TO NITINAT MINERALS CORPORATION (413626)			T1760.00485
OTHER	2017-DEC-14		REGULATION 455/17 EXCLUDES 365 DAYS AND SETS NEW ANNIVERSARY DATE 2019-FEB-19			O1760.00453
MISC	2018-APR-10		Converted to cell claim(s) 158566, 247012 and boundary claim(s) 110008, 158565, 210557, 276460, 276461, 306839, 307017.			MAM00.10621
MISC	2018-APR-10		Consolidated claim credits \$212 transferred to cell claim 158566.			MAM00.39105

Full Abstract

Claim No: P 4277646

Status: Active

Due Date:	2019-SEP-19	Recorded:	2014-SEP-19
Work Required:	\$ 800	Staked:	2014-SEP-14 13:40

Total Work:	\$ 1,600	Description of Claim:	CARSCALLEN (G-3040)
Total Reserve:	\$ 0		
Present Work Assignment:	\$ 0		
Claim Bank:	\$ 0	Claim Units:	2
Total C-I-L Payments:	\$ 0	Multiple Townships:	1
Last C-I-L Payment Date:			

Percentage	Client#	Recorded Holder(s)				
100.00	413626	NITINAT MINERALS CORPORATION				
Type	Date	Applied	Description	Performed	Assigned	Transaction#
STAKER	2014-SEP-19		RECORDED BY ALLAIRE, GILLES ANDRE J (M25509)			R1460.01721
STAKER	2014-SEP-19		ALLAIRE, GILLES ANDRE J (101767) RECORDS 50.0 % IN THE NAME OF LALONDE, DOUGLAS JOSEPH (156077)			R1460.01723
TRAN	2015-NOV-23		LALONDE, DOUGLAS JOSEPH (156077) TRANSFERS 50.0 % TO INSPIRATION MINING CORPORATION (402613)			T1560.00279
TRAN	2015-NOV-23		ALLAIRE, GILLES ANDRE J (101767) TRANSFERS 50.0 % TO INSPIRATION MINING CORPORATION (402613)			T1560.00281
WORK	2016-SEP-13	\$ 800	WORK APPLIED			W1660.01492
WORK	2017-SEP-06	\$ 754	WORK APPLIED			W1760.01726
WORK	2017-SEP-06	\$ 46	WORK APPLIED			W1760.01729
TRAN	2017-NOV-16		INSPIRATION MINING CORPORATION (402613) TRANSFERS 100.0 % TO NITINAT MINERALS CORPORATION (413626)			T1760.00485
OTHER	2017-DEC-15		REGULATION 455/17 EXCLUDES 365 DAYS AND SETS NEW ANNIVERSARY DATE 2019-SEP-19			O1760.01263
MISC	2018-APR-10		Converted to cell claim(s) 318816 and boundary claim(s) 122098, 149554, 179349.			MAM00.20217

Reservation:

- 01 400' surface rights reservation around all lakes and rivers
- 02 Sand and gravel reserved
- 03 Peat reserved
- 04 Other reservations under the Mining Act may apply
- 05 Including land under water
- 06 Excluding road

Appendix V

Mining Claim Area Calculation

Used to calculate work performed on
each mining claim, based on % area



110008
1250 sq.m.

276461
6226 sq.m.

210557
4521 sq.m.

233495
2822 sq.m.

179349
1125 sq.m.

149554
22 sq.m.

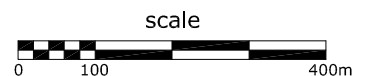
158565 37009 sq.m.	307017 24329 sq.m.
158566 214063 sq.m.	276460 140409 sq.m.
247012 214080 sq.m.	306839 141382 sq.m.
173427 214097 sq.m.	126824 142991 sq.m.
318816 214115 sq.m.	190841 144642 sq.m.
122098 147679 sq.m.	126825 99932 sq.m.

N5366000

E456000

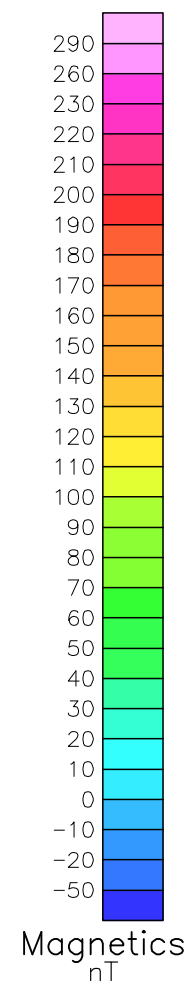
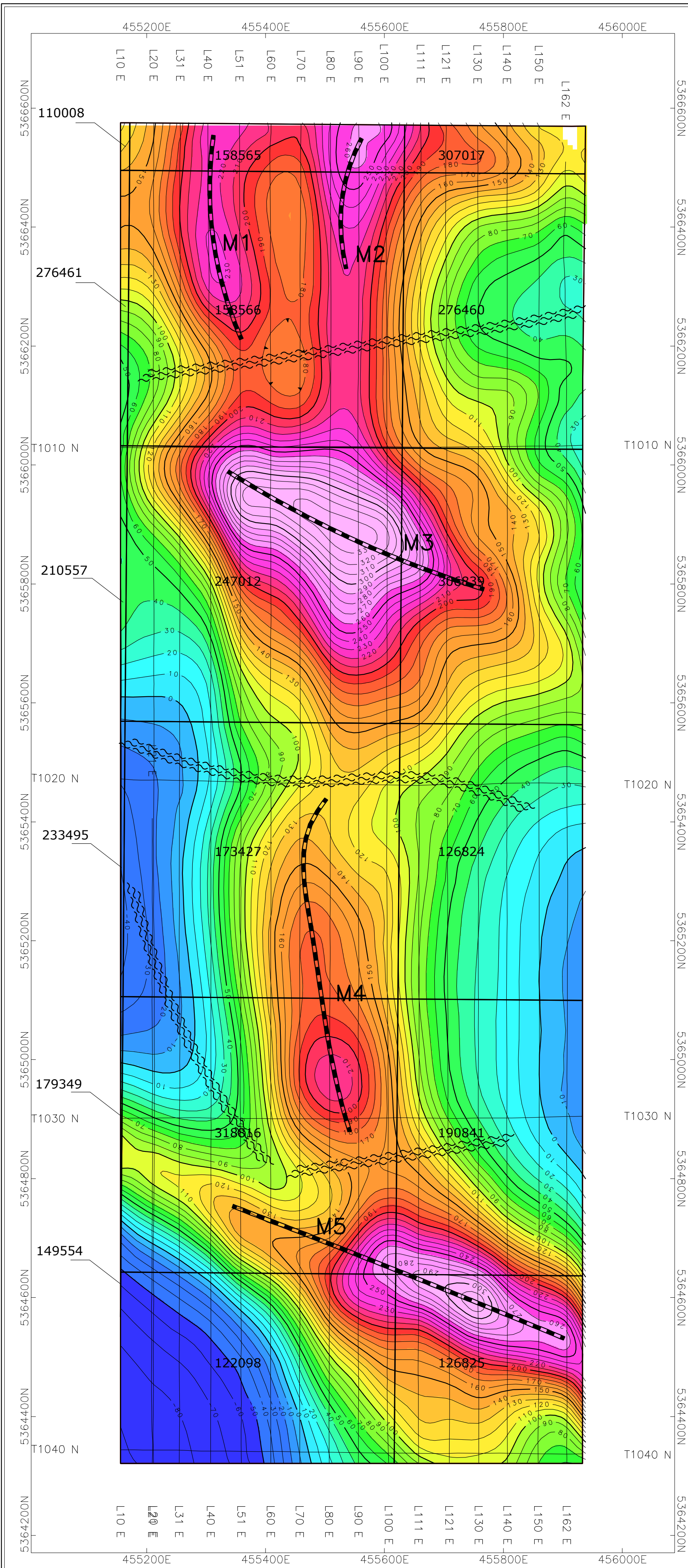
Appendix V - mining claim areas


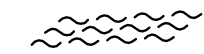
Claim Number / AREA (sq. m.)

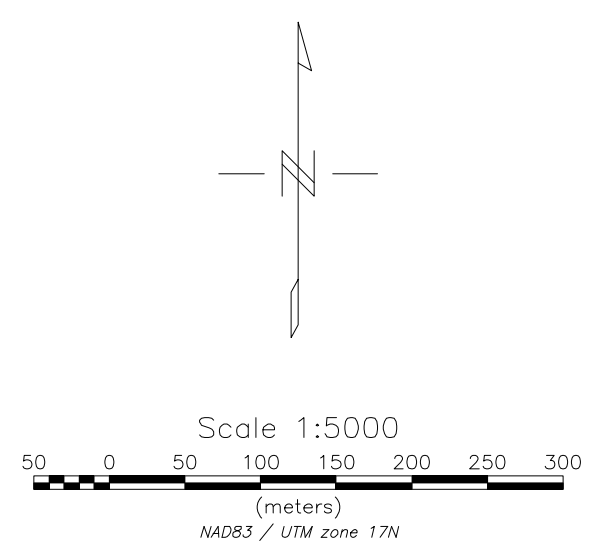


Coordinates are NAD83, UTM, Zone 17

Nitinat Minerals Corporation			
Carscallen Property (18 map cell and boundary cell claims)			
Work Performed on each Claim			
Based on % of total Area			
Claim Number	(sq. m.) Area	% of Whole	Work Performed
110008	1250	0.071	4
158565	37009	2.114	133
307017	24329	1.390	88
276461	6226	0.356	22
158566	214063	12.227	770
276460	140409	8.020	505
210557	4521	0.258	16
247012	214080	12.228	770
306839	141382	8.076	509
233495	2822	0.161	10
173427	214097	12.229	770
126824	142991	8.168	515
179349	1125	0.064	4
318816	214115	12.230	771
190841	144642	8.262	521
149554	22	0.001	0
122098	147679	8.435	531
126825	99932	5.708	360
Total Area (18 Claims)	1750694		6300
			Total Work

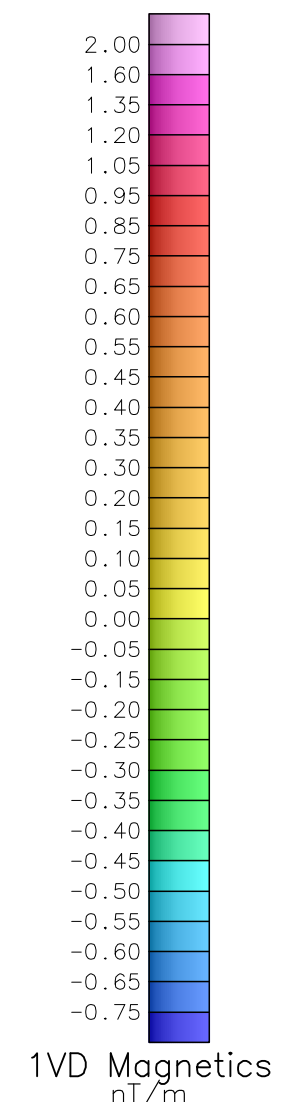
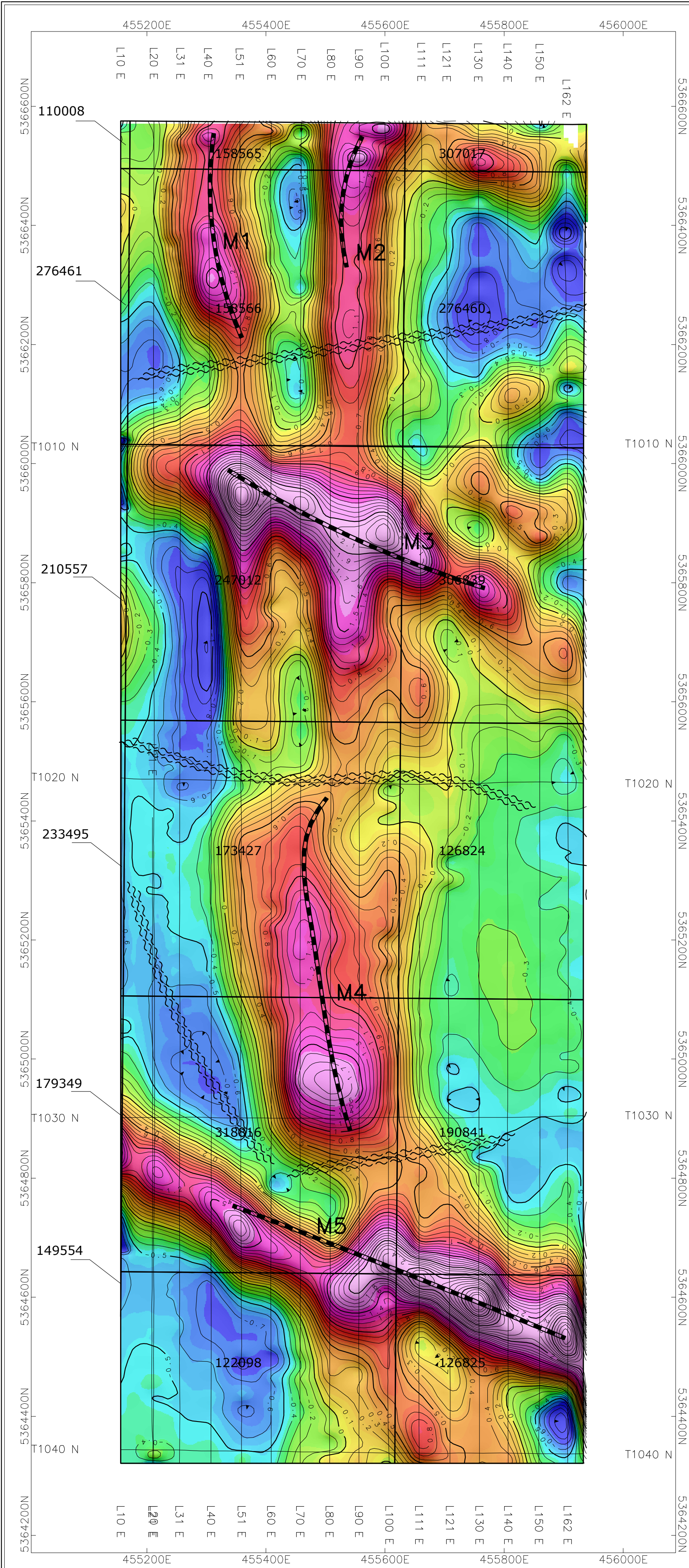



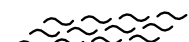
 Interpreted Magnetic Anomaly Locations
 Interpreted Magnetic Fault/Lineament

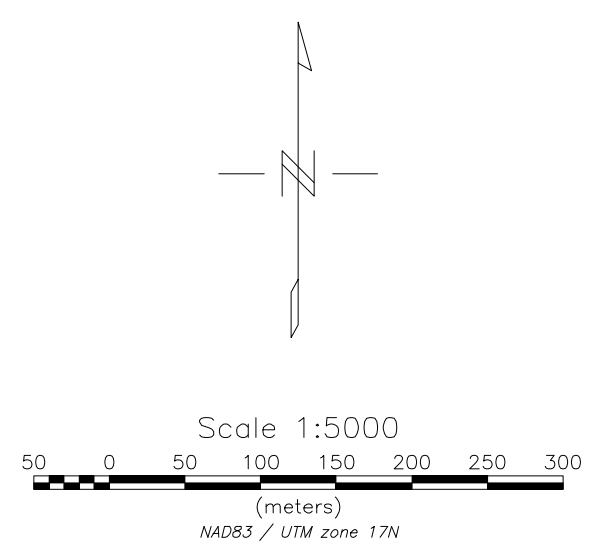


Line Kilometres Surveyed: 41.4

NITINAT MINERALS CORPORATION
CARSCALLEN PROJECT DRONE MAGNETIC SURVEY – MAGNETICS NOVEMBER 2018
CARSCALLEN TWP. PORCUPINE MINING DIVISION CLAIMS: POSTED ON MAP CONTOUR INTERVAL = 10, 50 nT GEOMETRICS MFAM MAGNETOMETER / M600 PRO DRONE
SURVEYED BY: ZEN GEOMAP INC.



 Interpreted Magnetic Anomaly Locations
 Interpreted Magnetic Fault/Lineament



Line Kilometres Surveyed: 41.4

NITINAT MINERALS CORPORATION	
CARSCALLEN PROJECT	
DRONE MAGNETIC SURVEY - 1VD MAGNETICS	
NOVEMBER 2018	
CARSCALLEN TWP. PORCUPINE MINING DIVISION	
CLAIMS: POSTED ON MAP	
CONTOUR INTERVAL = .1, .5 nT/m	
GEOMETRICS MFAM MAGNETOMETER / M600 PRO DRONE	
SURVEYED BY: ZEN GEOMAP INC.	