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N.T.S. 31C/11

**REPORT ON GROUND MAGNETOMETER & VLF
ELECTROMAGNETIC (EM) SURVEYS
McCOWAN PROPERTY
PORQUINE MINING DIVISION
McCOWAN TOWNSHIP, ONTARIO**

**Written by: Robert J. Dillman 8901 Reily Drive
Mount Brydges, Ontario**

For: JayCubed Explorations

January 22, 2019

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Summary

This report summarizes the results of a combined ground magnetometer and VLF electromagnetic (EM) survey over the Miller gold occurrence on JayCubed Exploration's McCowan Property located in McCowan Township. The surveys were completed by property owners: Robert Dillman and James M. Chard in 2 days on September 10, 2017 and September 11, 2017. The surveys were assisted by property owner Dr. Jim Renaud, who provided navigation and recorded surficial geology as surveys progressed.

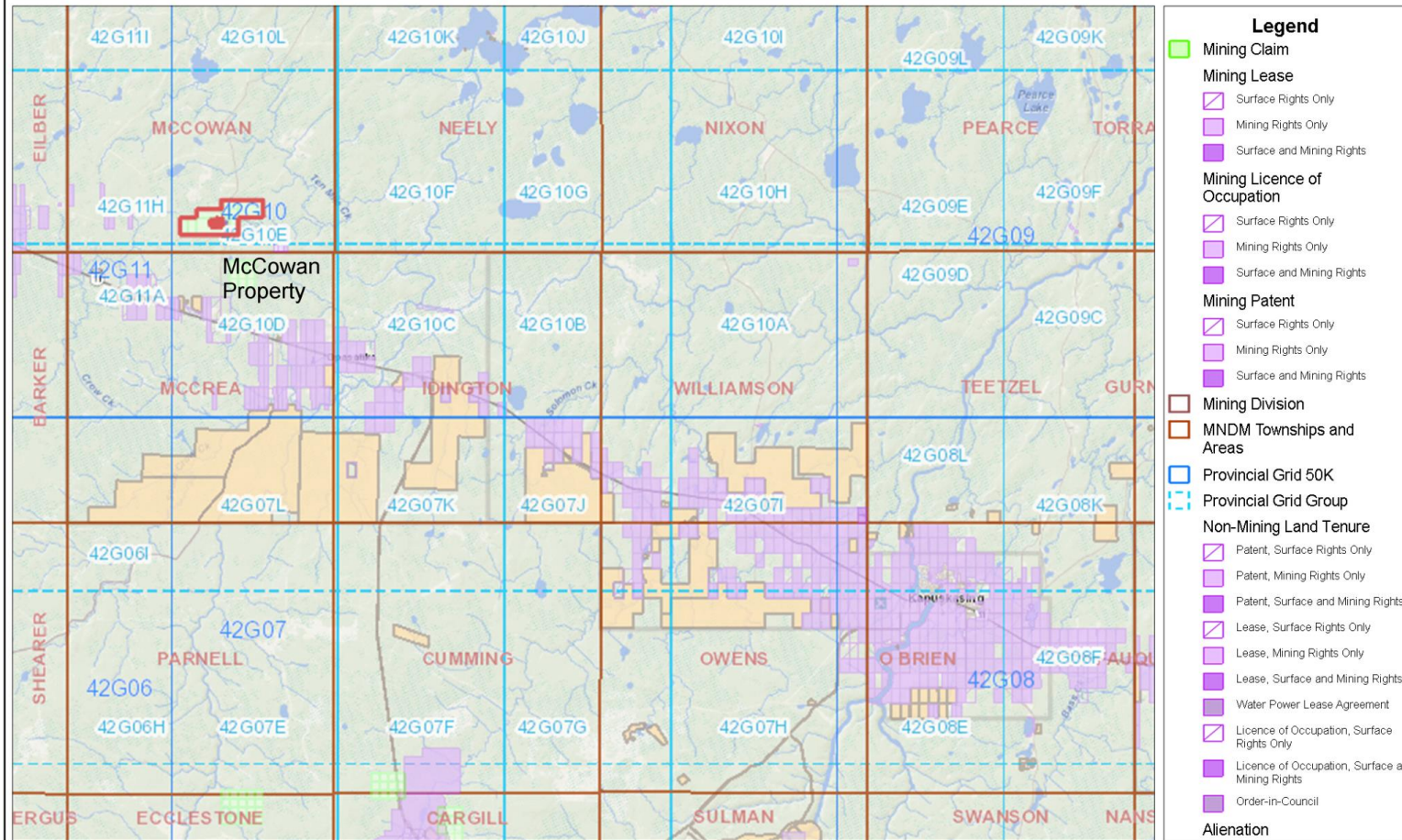
The magnetometer survey detected two prominent magnetic features: 1.) a northeast-southwest trending feature corresponding with the Miller showing and, 2) a north-south orientated magnetic feature believed to represent a diabase dike. The VLF survey detected conductive features striking either east-west or northwest-southeast and several single station anomalies. Some of the VLF conductors correspond with the magnetic feature coincident with the Miller showing. The VLF conductors potentially represent zones of sulphide mineralization, shearing and conductive overburden.

Location and Access

The McCowan Property is located in McCowan Township in the District of Cochrane, Ontario. The property is located approximately 46 kilometres west of Kapuskasing, Ontario, Canada (Figure 1).

The property has good year-round road access via the McCowan Road which crosses the property. The McCowan Road connects with the Trans-Canada Highway 11, 44 kms west of Kapuskasing.

A logging road connecting with the McCowan Road provides access to the Miller showing. The intersection of the logging road is 5.3 kms north of the Trans-Canada Highway.



Legend

- Mining Claim
- Mining Lease**
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Licence of Occupation**
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Patent**
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Division
- MNDM Townships and Areas
- Provincial Grid 50K
- Provincial Grid Group
- Non-Mining Land Tenure**
 - Patent, Surface Rights Only
 - Patent, Mining Rights Only
 - Patent, Surface and Mining Rights
 - Lease, Surface Rights Only
 - Lease, Mining Rights Only
 - Lease, Surface and Mining Rights
 - Water Power Lease Agreement
 - Licence of Occupation, Surface Rights Only
 - Licence of Occupation, Surface and Mining Rights
 - Order-in-Council
- Alienation**

0 14.60 km

Projection: Web Mercator



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Claim Logistics

Figure 2 depicts the McCowan Property at the time of this report. The property was recorded in May, 2016 when two-8 unit claims (P4282382, P4282384) were physically staked. A single- 2 unit claim (P4209922) was added to the property by staking in September, 2017. At the time of the field work for this report, the McCowan Property covered an approximate area of 275 hectares.

In April, 2018 the McCowan Property was converted to single cell mining claims to conform to the new provincial grid under the new Mining Lands Administration System (MLAS). A total of 27 single cell mining claims were created as a result of the conversion. In addition, the property increased in size almost two-fold as the old claim boundaries moved outwards to conform to the new cell boundaries of the provincial grid. At the time of this report, the McCowan Property covers an approximate area of 522 hectares.

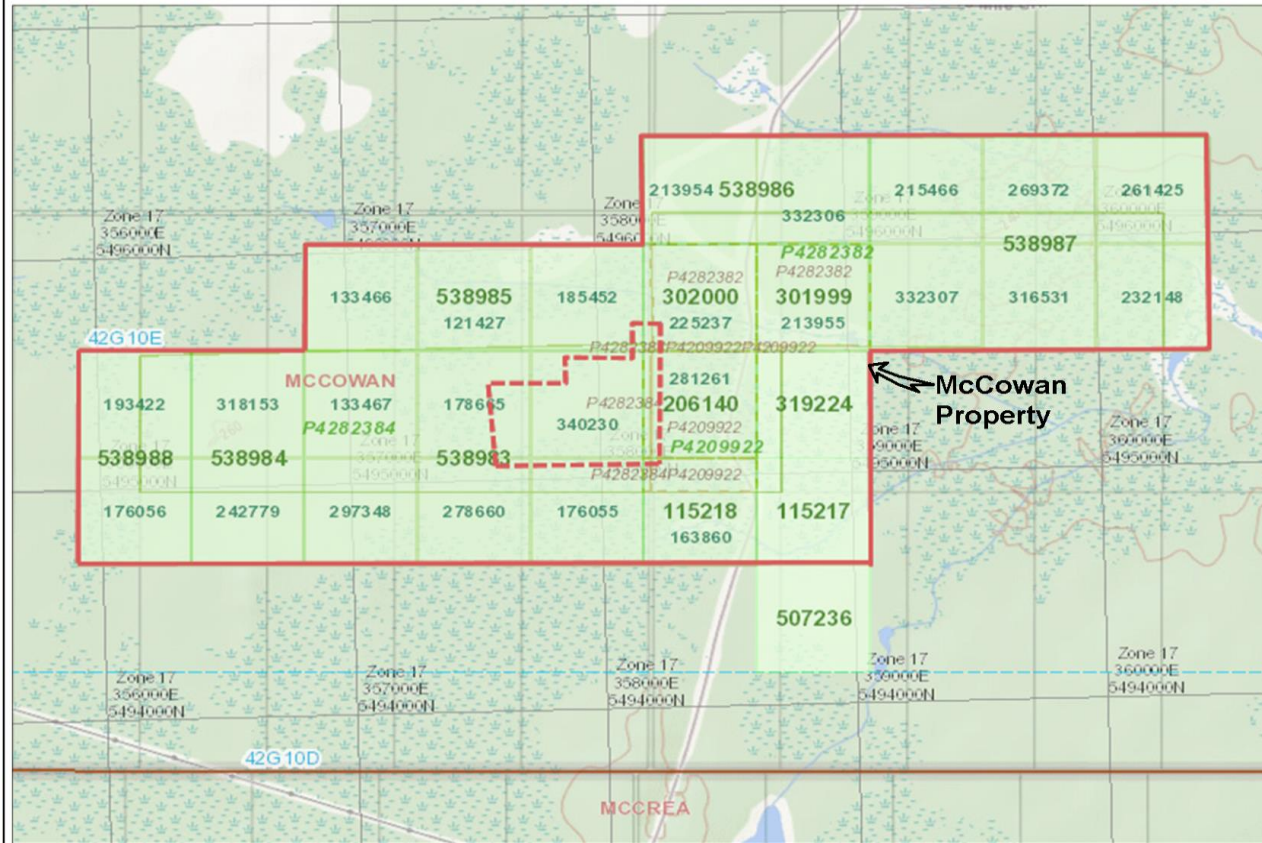
In January, 2019, in an attempt too simplify the claim block, 6 multi-cell claims were created by merging a number of the single cell mining claims together. At the time of this report, the McCowan Property consists of 6 multi-cell claims and 6 single cell claims. A claim list is presented in Table 1.

All claims comprising the McCowan Property are equally owned by:

Robert J. Dillman (author) of Mount Brydges, Ontario

James M. Chard of Covdova, Ontario

Dr. Jim Renaud of London, Ontario



Legend

- Mining Claim
- Mining Lease**
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Licence of Occupation**
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Patent**
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Boundary Claim
- Legacy Claim
- Mining Claim - History
- Mining Land Tenure - History
- Mining Division
- MNM Townships and Areas
- Provincial Grid Group
- Non-Mining Land Tenure**
 - Patent, Surface Rights Only
 - Patent, Mining Rights Only
 - Patent, Surface and Mining Rights
 - Lease, Surface Rights Only
 - Lease, Mining Rights Only
 - Lease, Surface and Mining Rights
 - Water Power Lease Agreement
 - Licence of Occupation, Surface Rights Only



Projection: Web Mercator



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Area of Work

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Table 1. Claim Logistics

McCowan Property, McCowan Twp., Ontario

January 15, 2019

Claim Number	Cell Number	Number of Cells	Size Hectares	Assessment Due Date	Amount Due
538983	42G10E344, 42G10E345, 42G10E346 42G10E364, 42G10E365, 42G10E366	6 Cells	124.2 ha	May 6, 2019	\$2400
538984	42G10E343, 42G10E363	2 Cells	41.4 ha	May 6, 2019	\$800
538985	42G10E324, 42G10E325, 42G10E326	3 Cells	62.1 ha	May 6, 2019	\$1200
538986	42G10E307, 42G10E308	2 Cells	41.4 ha	May 6, 2019	\$800
538987	42G10E309, 42G10E310, 42G10E311 42G10E329, 42G10E330, 42G10E331	6 Cells	124.2 ha	May 6, 2019	\$2400
538988	42G10E342, 42G10E362	2 Cells	41.4 ha	Sept.. 18, 2019	\$800
302000	42G10E327	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
301999	42G10E328	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
206140	42G10E347	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
319224	42G10E348	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
115218	42G10E367	1 Cells	20.7 ha	Sept.. 18, 2019	\$400
115217	42G10E328	1 Cells	20.7 ha	Sept.. 18, 2019	\$400

Land Status and Topography

The McCowan Property is situated entirely on Crown Land. The property is uninhabited. There are no buildings or hydroelectricity.

The property is at a mean elevation of 240 metres above sea level. The property is mostly flat with some gentle relief ranging approximately to 5 to 15 metres in height. Much of the flat area is poorly drained and tends to be wet and swampy.

Most of the property is covered by thick forest growth dominated by spruce and poplar and lesser amounts of balsam and cedar. With the exception of a logging road cutting west across the property there is little evidence of recent logging activities.

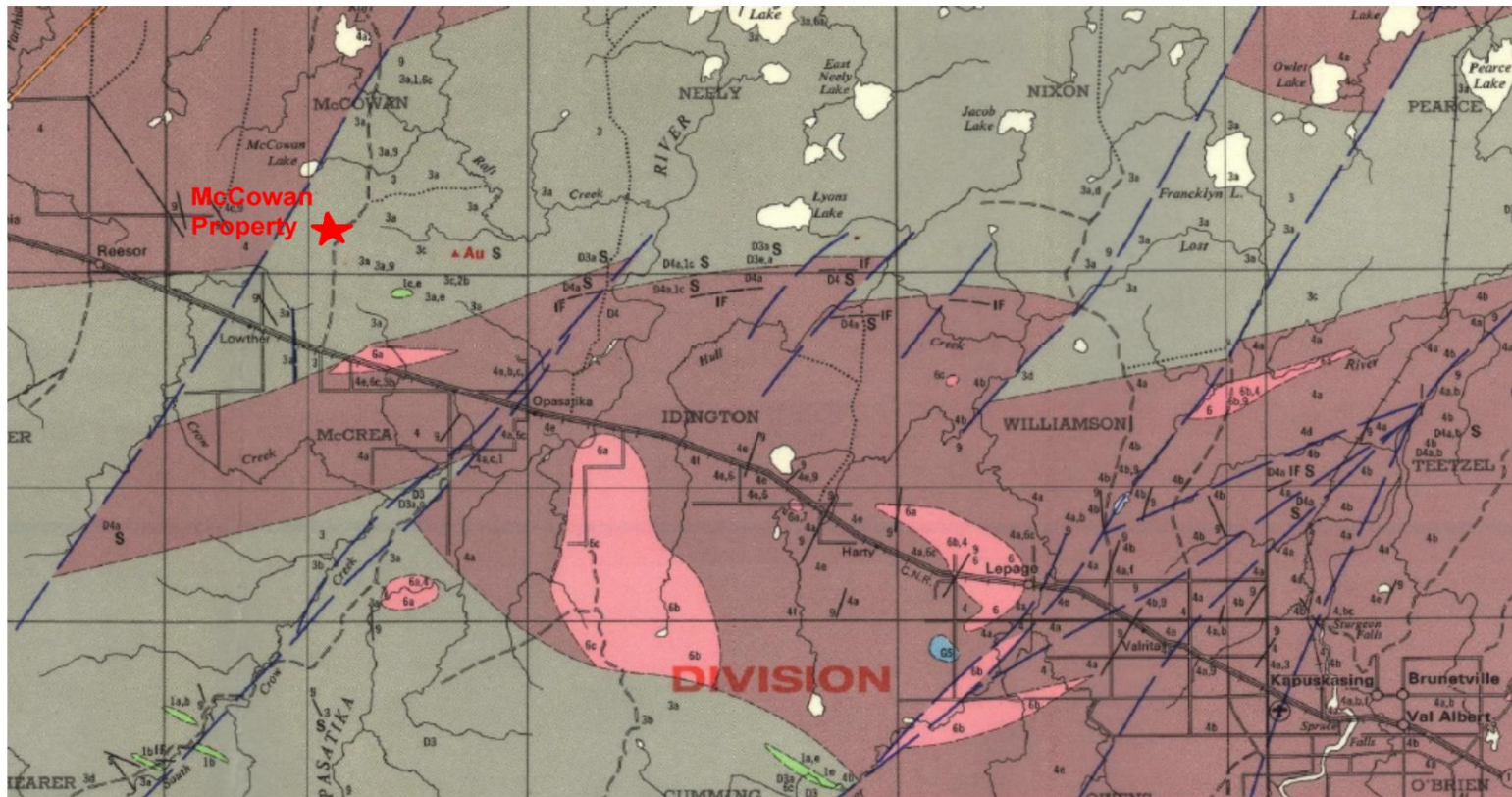
The McCowan Property is blanketed by clay overburden. Although the clay layer is relatively shallow, due to the flat topography there is very poor outcrop exposure on the property. Small outcrops can be found in areas of higher topography and in the ditches along McCowan Road.

Regional and Local Geology

The McCowan Property is situated in supracrustal rocks of the Superior Province. The property is underlain by Archean rock units belonging to the Quetico Subprovince. The units consist of greywacke, argillite, arkose, iron formation and minor metavolcanic flows (Figure 3). The age of rock units in the Quetico Subprovince range 2500 to 3400 Ma.

The Quetico Subprovince has been intruded by Archean granite stocks and porphyry dikes. The sequence was intruded by northwest trending mafic dikes of the Matachewan and Hearst swarms circa 2454 Ma and the Sudbury swarm circa 1235-1238 Ma. Northeast and north trending mafic dikes of the Marathon dike swarm occurred between 2101 to 2126 Ma and northeast trending dikes of the Kapuskasing and Biscotasing swarms occurred from 2167 to 2171 Ma.

The region was also subjected to northeast trending faults associated with the Kapuskasing Structural Zone.



- | | | | | |
|---|---|--------------------------|----|---------------------|
| 9 | ■ | Diabase | Au | Gold Occurrence |
| 6 | ■ | Granitic Rocks | S | Sulphide Occurrence |
| 5 | ■ | Gabbro | IF | Iron Formation |
| 4 | ■ | Gneiss | | |
| 3 | ■ | Metasedimentary Rocks | | |
| 1 | ■ | Mafic Metavolcanic Rocks | | |
| | — | | | |
| | — | | | |

Source: ODM MAP 2166
HEARST - KAPUSKASING SHEET

Figure 3.
Regional Geology Map
Kapuskasing - Reesor Area
Ontario

On the McCowan Property, outcrops found along the McCowan Road and in the vicinity of the Miller gold occurrence consist of greywacke and minor thin mafic metavolcanic flows. The rock units are weakly schistose striking 68° to 76° and dip steeply towards the south-southeast at 85° to near vertical. Most of the outcrops contain varying concentrations of thin, hairline quartz stringers which trend parallel to the schistosity of the host rock. Quartz feldspar porphyry and larger quartz veins mineralized with arsenopyrite, pyrite, rare galena and sphalerite are present in the trenches at the Miller gold occurrence.

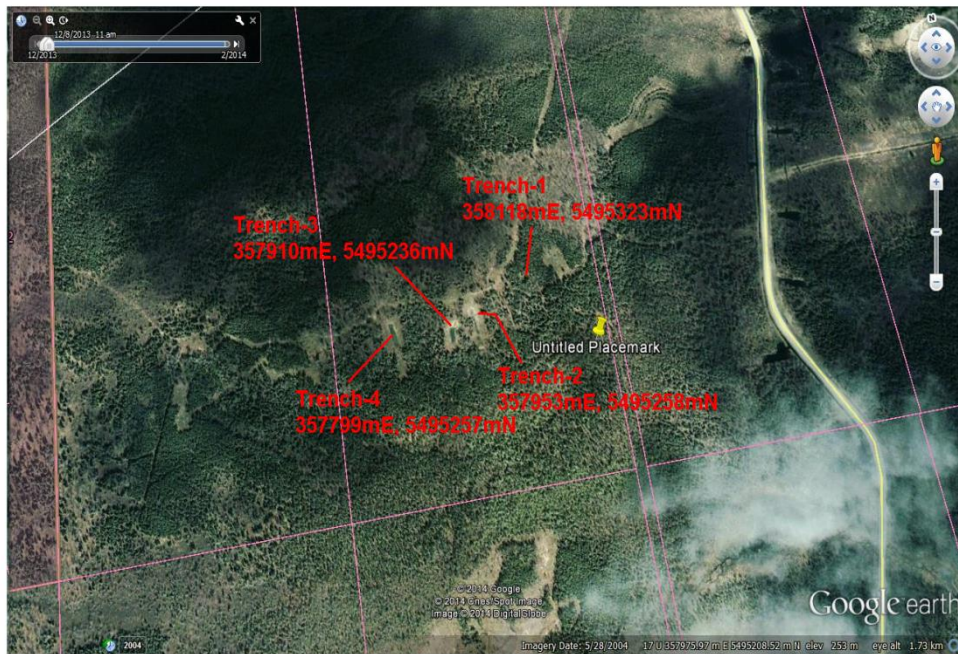
History of Exploration

During the survey, a number of old pits and trenches were found and attest to periods of significant exploration on the property. Most of the old workings have long since collapsed and are filled with water however some of the more recent trenching is still visible on Google Earth (Figure 4).

It is believed gold was first discovered in the area in the early 30's when Oscar Peterson found gold in quartz veins and pyrite mineralization associated with quartz porphyry in Lot 6 and 7, Concession I. In the mid 30's this property became the Filion Property. Roughly around the same time, local prospectors R. Miller, McManus and Lukis discovered gold in Lot 13, concession 2 and surrounding area.. As result, the southwest $\frac{1}{4}$ of Lot 13, Concession 2 was patented to cover the discovery. At some point in time, the patent has allowed lapsed.

In 1938, P.C. Carter visited the Miller Property. He describes examining a pit in Lot 13, concession 2 exposing a 4 foot quartz vein which carries considerable galena, arsenopyrite and pyrite. A sample of the vein assayed \$6.65 in gold (0.19 oz/ton) and 1.07 ounces of silver per ton. He also describes a channel sample taken from a stringer in porphyry located in the Northeast $\frac{1}{4}$ of Lot 11, Concession 2 which assayed 2.65 ounces of gold per ton across 1 foot. (42G10SE0006)

Later that year, the Millar Property and adjoining McManus Property were examined by D.K. Burke on behalf of Sylvanite Gold Mines Limited. He describes examining a 4 to 5 foot wide shear zone in greywacke striking $N70^{\circ}E$ and dipping $80^{\circ}N$. The vein had been trenched for a distance of 75 feet. The shear zone is described as being silicified and mineralized with pyrite, arsenopyrite and minor galena. A sample of the better looking material is reported to assay 2.00 dwts (0.114 oz/ton gold). 1 dram weight (dwt) = 0.05697 oz/t gold. (42G10SE0006)



Miller Gold Occurrence: Location of Trenches by Smith (1987), Google earth Image 2004



Figure 4. Miller Gold Occurrence: Location of Trenches by Smith (1987), Google earth Image 2016

In 1945, Valrita Mines Limited completed a ground magnetometer survey which covered part of the eastern section of the current McCowan Property. The survey outlined “several pronounced anomalies”. One of the magnetic features striking northeast was traced over 4,800 feet and corresponds to an outcrop of pyrrhotite bearing schist. (42G10SE0004)

In 1948, the Miller Property was examined by Nelson Hogg, Resident Geologist for the Ontario Department of Mines. He describes examining several pits dubbed: East, Central and West. He noted the Central and west pits were on a Patent (southwest 1/4 of Lot 13, Concession 2) and not part of the Miller Property. He makes reference to a report by S.J. Terhune who previously visited the property on behalf of Aunor Gold Mines. Mr. Terhune describes examining a 6 foot wide quartz vein and silicified greywacke exposed in the walls of the West pit. Two samples collected at the time are reported to have assayed 0.22 ounces of gold per ton across 2.4 feet and trace gold across 2.5 feet. (42G10SE0006)

Also in 1948, J.M. Andercheck drilled 5 inclined holes totalling 1,248 feet in the southeast ¼ of Lot 13, Concession 2. Although no assays are given, he describes Hole 1 cutting a “15 foot wide ore body” at a depth of 108 feet. Hole 3 is described as cutting ore from a depth of 83 to 95 feet and intersecting a second ore body carrying galena from a depth of 150 to 162 feet. A sixth drill hole measuring 500 feet in length was drilled in Lot 15, Concession 2. (42G10SE0002)

In 1985, D. Korpela of Northland Exploration Ltd. completed ground magnetometer and VLF-EM surveys over the Miller gold occurrence and surrounding area on behalf of Romex Resources and Omab Enterprises Ltd. The VLF survey outlined numerous northeast trending electromagnetic anomalies. Conductors “F” and “G” outlined by the VLF survey, coincide with the Miller showing. The magnetometer survey outlined a series of northeast trending magnetic features striking through the area of Miller gold occurrence.

In 1987, Robert G. Smith carried out an overburden stripping program on 4 areas. Four trenches were excavated on the Miller gold occurrence exposing mineralized quartz veins, porphyry and greywacke (Figure’s 5 to 7). These trenches are visible on Goggle Earth. Overburden stripping also was performed on the Keevil occurrence exposing massive sulphides in the north ½ of Lot 9, Concession 2. Another trench was excavated on the trail into the Keevil occurrence which is reported to expose quartz and arsenopyrite. A fourth trench was excavated on the “2.65 Outcrop” situated in the northeast ¼ of Lot 11, Concession 1. The trench is reported to expose porphyry and quartz.

In 1988, Robert Smith drilled 9 holes totalling 3,177 feet. Five holes drilled in the vicinity of the Miller showing are reported to have intersected numerous zones of arsenopyrite. Four holes were drilled in the vicinity of the Keevil occurrence. Three of the Keevil holes are reported to have intersected diabase. The fourth hole is reported to have intersected arsenopyrite mineralization in greywacke adjacent to a diabase dike. No assays were given for any of the drill holes. Eventually the claims were allowed to lapse.

At the time of this survey, the current property owners also completed a geological survey and ground magnetometer and VLF Electromagnetic surveys.

Survey Dates and Personnel

The ground magnetometer and VLF-EM surveys over the over the Miller showing was completed in 2 days between September 9, 2017 and September 13, 2017.

The surveys were performed by property owners: James M. Chard of Cordova Mines, Ontario, Robert Dillman of Mount Brydges, Ontario and Dr. Jim Renaud of London, Ontario.

The VLF-EM instrument was operated by James Chard. The magnetometer instrument was operated by Robert Dillman. Jim Renaud assisted with navigation and recording geology.

Survey Logistics

The surveys were completed on a GPS controlled grid. The coordinates of the survey lines are appended to this report. The survey lines were orientated north-south and spaced 50 metres apart. The lines range 300 to 400 metres in length. VLF readings were taken at 25 metre intervals along the lines. Stations were marked with flagging tape. Magnetometer readings were taken at 12.5 metre intervals. A total of 4.2 kilometres was surveyed.

Magnetic readings are plotted and contoured on maps appended to this report. The maps are at a scale of 1 : 2,500. A base station was established for diurnal corrections on the Baseline at Line 0 (358206mE, 5495295mN). Readings were corrected to 56,189 nT.

The magnetometer survey was completed using a Gem Systems proton magnetometer/ gradiometer model GMS-19T. The specifications of the instrument are appended to this report.

A VLF-EM-16 unit made by GEONICS Limited was used the electromagnetic survey. The instrument specifications for the EM-16 unit are appended to this report. The VLF station at Jim Creek Naval Base at Seattle, Washington was used for the survey. The station transmits at 24.8 KHz. VLF-EM readings are plotted and profiled on maps appended to this report. The maps are at a scale of 1 : 2,500.

A Compass and GPS unit was used to navigate and calculate distances between readings. A Garmin GPS model RINO750 was used for the survey. The GPS was set to NAD83, Zone 17.

Survey Results

The magnetic susceptibility of the rocks within the survey area ranges from 56,030 nT to 56,976 nT. Two magnetic features were outlined by the survey. A northeast trending magnetic feature was outlined striking for 500 metres from the southwest to the midsection of the east side of the survey area and continuing beyond. This feature is coincident with the historic workings on the Millar showing in the vicinity of lines 1+50 to 3+00W. The second magnetic feature strikes north-south across the survey area between lines 4+00W and 4+50W. This magnetic feature is believed to be a diabase dike and crosses the magnetic feature coincident with the Miller showing.

The VLF-EM survey outlined 8 conductive features. These anomalies can be traced across multiple lines for distances ranging 50 to +200 metres. The strike of the anomalies varies from east-west to northwest-southeast. Three conductive features, each roughly 50 metres in length are coincident with the magnetic features associated with Miller showing. Longer conductors extending between lines 1+00W to 3+00W and 4+00W to 6+00W are potentially related and off-set by faulting. Conductive features detected in the vicinity to the dike-like magnetic feature are potentially caused by the contact of the dike and wallrock.

Discussion of Results

The northeast trending magnetic anomalies detected by this survey appears to mark the structure hosting the Miller showing. During the survey, the trenches and outcrops observed in the vicinity of the Miller gold occurrence expose greywacke with quartz stingers and shearing striking N72⁰E to N82⁰E which is similar to the trend of the magnetic anomaly detected over the gold occurrence. There is good potential that other gold structures exist along this trend.

Conclusions and Recommendations

The ground magnetometer and VLF-EM surveys have outlined northeast trending magnetic and conductive features over the area of the Miller showing. Further work is recommended to understand the relationship of the geophysical features to the gold-bearing mineralization exposed in the trenches. This would best be accomplished by overburden stripping on the gold occurrence. It is also suggested additional gold mineralization could be found by expanding the magnetometer and VLF surveys. It is recommended that the entire property be covered by ground magnetometer and VLF surveys.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "R. J. Dillman", is written over a light gray rectangular background.

Robert J. Dillman P.Geo., B.Sc.

January 22, 2019

References

- Bennett, G., Brown, D.D., George, P.T. and Leahy, E. J. 1966.** Hearst-Kapuskasung Sheet. Geological Compilation Series Map: 2166. Ontario Department of Mines.
- Burke, D.A., 1939.** Property Assessment Report. R. Miller Property, McCowan Township. Sylvanite Gold Exploration Department. Unpublished assessment file: 42G10SE0006
- Carter, P.C., 1938.** Preliminary Report On Miller Claims, McCowan Township District Of Algoma, Ontario. Unpublished assessment file: 42G10SE0006
- Hogg, N., 1948.** Property Assessment Report, Miller Claims, McCowan Township, Sudbury Mining Division. Resident Geologist Report, Ontario Department of Mines. Unpublished assessment file: 42G10SE0006
- Keevil, N.B. and Low, J.H., 1945.** Report on a Geomagnetic Survey on part of the Property Of Valrita Mines Limited, McCowan Township. McCowan Township, Cochrane District, Ontario. Unpublished assessment work file: 42G10SE0004
- Korpela, D., 1985.** Magnetometer Survey and VLF-EM Survey, Porcupine Mining Division McCowan Township on behalf of Romex Resources Inc. and Omab Enterprises Ltd., Timmins, Ontario. Survey by: Northland Explorations Ltd. Unpublished assessment work file: 42G10SE0002
- Miller, R., 1948.** Report on Diamond Drilling, Miller Claims, McCowan Township, Unpublished assessment work file: 42G10SE0006
- Smith, R. G., 1987.** Report on Overburden Stripping, Miller Gold Property, McCowan Township. Unpublished assessment work file: 42G10SE0003
- Smith, R. G., 1988.** Report on Diamond Drilling, Miller and Keevil Showings. McCowan Township. Unpublished assessment work file: 42G10SE0001

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ARJADEE PROSPECTING
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Phone/ fax (519) 264-9278

CERIFICATE of AUTHOR

I, **Robert J. Dillman, Professional Geologist**, do certify that:

1. I am the **President** and the holder of a **Certificate of Authorization** for:

ARJADEE PROSPECTING
8901 Reily Drive
Mount Brydges, Ontario, Canada
N0L1W0

2. I graduated in 1991 with a **Bachelor of Science Degree** in **Geology** at the **University of Western Ontario**.

3. I am an active member of:

Association of Professional Geoscientists of Ontario, APGO
Prospectors and Developers Association of Canada, PDAC

4. I have been a **licensed Prospector in Ontario** since 1985.

5. I have worked continuously as a **Professional Geologist** for 28 years.


6. Unless stated otherwise, **I am responsible** for the preparation of all sections of the Assessment Report titled:

**REPORT ON GROUND MAGNETOMETER AND VLF-
ELECTROMAGNETIC (EM) SURVEYS. McCOWAN PROPERTY,
PORQUINE MINING DIVISION, McCOWAN TOWNSHIP, ONTARIO**

dated, January 22, 2019

7. I am not aware of any material fact or material change with respect to the subject matter of the Assessment Report that is not contained in the Assessment Report and its omission to disclose makes the Assessment Report misleading.

Dated this 22th day of January, 2019


Robert James Dillman P.Geo
Arjadee Prospecting



Appendix 1.

UTM Coordinates for Survey Lines: McCowan Property, McCowan Twp.

NAD 87 Zone 17

Line	2+00S Coordinate	1+00S Coordinate	Baseline Coordinate	1+00N Coordinate	2+00N Coordinate
0+00	358201mE 5495096mN	358215mE 5495199mN	358206mE 5495295mN	358222mE 5495383mN	358209mE 5495481mN
0+50W	358158mE 5495089mN	3581154mE 5495197mN	358163mE 5495297mN	358158mE 5495385mN	
1+00W	358072mE 5495095mN	358082mE 5495195mN	358106mE 5495297mN	358111mE 5495385mN	
1+50W	358049mE 5495094mN	358050mE 5495197mN	358055mE 5495301mN	358048mE 5495401mN	
2+00W	357998mE 5495109mN	357988mE 5495202mN	358003mE 5495298mN	357996mE 5495400mN	
2+50W	357954mE 5495109mN	357945mE 5495198mN	357954mE 5495304mN	357953mE 5495404mN	357959mE 5495500mN
3+00W	357898mE 5495108mN	357907mE 5495197mN	357902mE 5495295mN	357900mE 5495399mN	357901mE 5495513mN
3+50W	357851mE 5495108mN	357856mE 5495199mN	357849mE 5495292mN	357851mE 5495390mN	
4+00W	357801mE 5495109mN	357800mE 5495202mN	357793mE 5495301mN	357791mE 5495403mN	
4+50W	357757mE 5495099mN	357755mE 5495200mN	357757mE 5495301mN	357760mE 5495411mN	
5+00W	357699mE 5495113mN	357700mE 5495210mN	357703mE 5495301mN	357691mE 5495425mN	
5+50W	357650mE 5495112mN	357650mE 5495207mN	357650mE 5495306mN	357649mE 5495401mN	
6+00W	357598mE 5495109mN	357582mE 5495211mN	357585mE 5495318mN	357587mE 5495415mN	

EM16 SPECIFICATIONS

MEASURED QUANTITY	Inphase and quad-phase components of vertical magnetic field as a percentage of horizontal primary field. (i.e. tangent of the tilt angle and ellipticity).
SENSITIVITY	Inphase: $\pm 150\%$ Quad-phase: $\pm 40\%$
RESOLUTION	$\pm 1\%$
OUTPUT	Nulling by audio tone. Inphase indication from mechanical inclinometer and quad-phase from a graduated dial.
OPERATING FREQUENCY	15-25 kHz VLF Radio Band. Station selection done by means of plug-in units.
OPERATOR CONTROLS	ON/OFF switch, battery test push button, station selector switch, audio volume control, quadrature dial, inclinometer.
POWER SUPPLY	6 disposable 'AA' cells.
DIMENSIONS	42 x 14 x 9cm
WEIGHT	Instrument: 1.6 kg Shipping: 5.5 kg



VLF-EM Instrument
serial number 16869

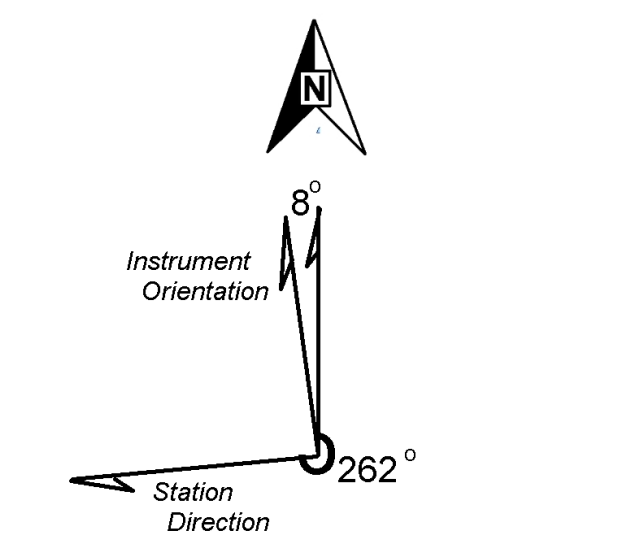
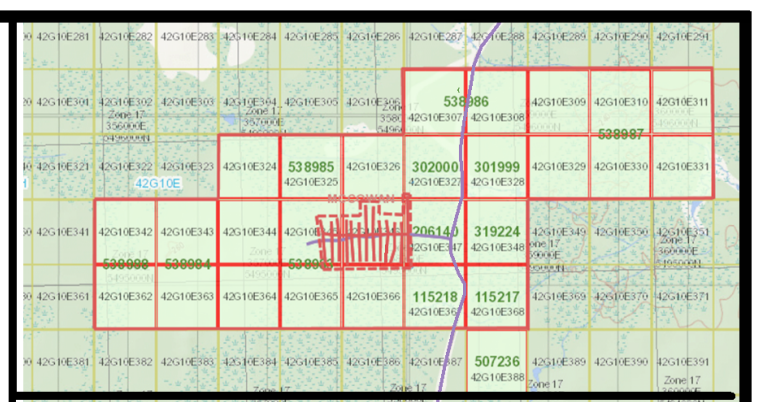
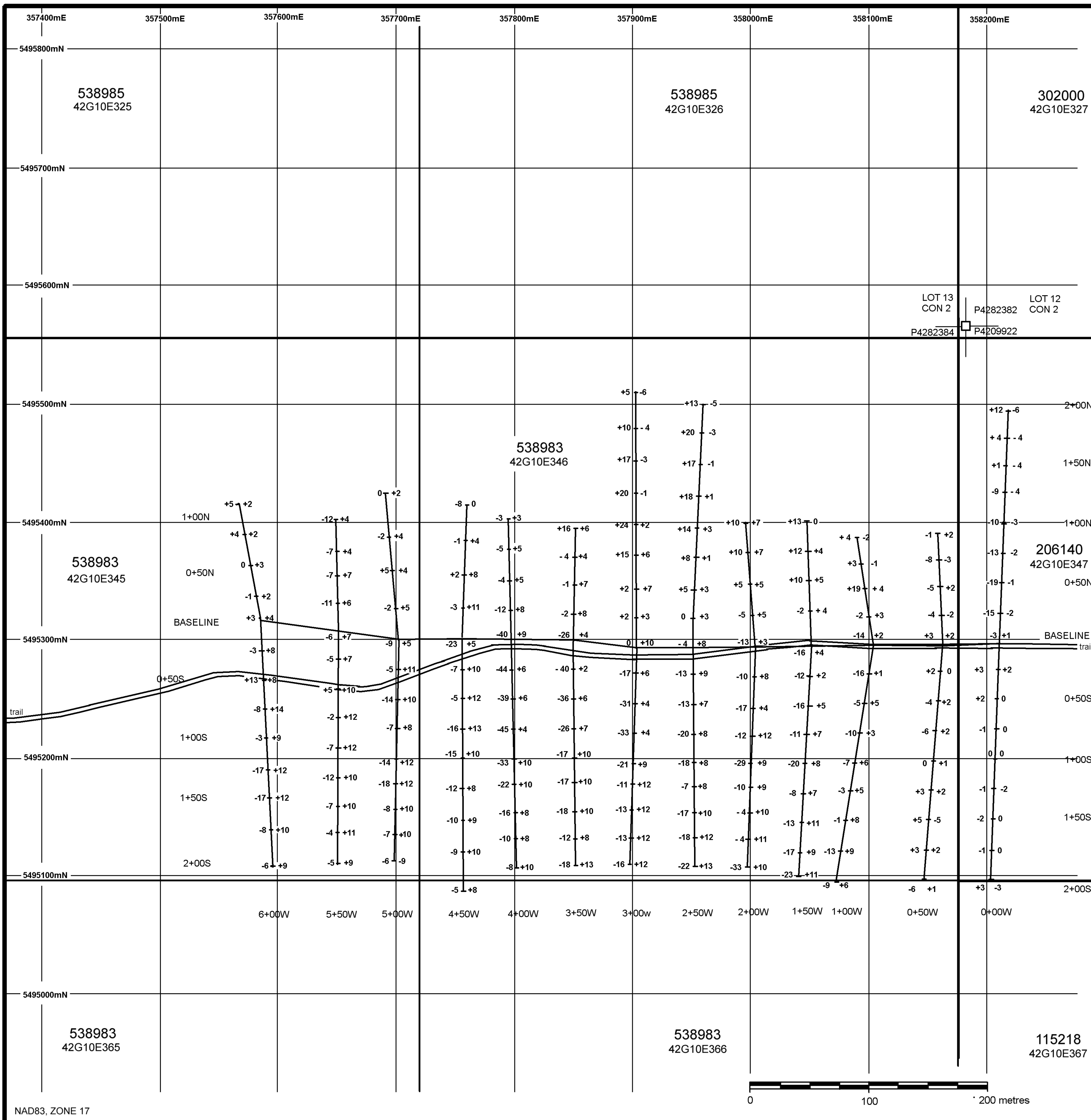
APPENDIX F: GSM-19T MAG / GRAD SPECIFICATIONS

Sensitivity	0.15 nT @ 1Hz / 0.05 nT @ 4Hz
Resolution:	0.01nT (gamma), magnetic field and gradient.
Accuracy:	+/- 0.2 nT @ 1 Hz
Range:	20,000 to 120,000nT.
Gradient Tolerance:	Over 7,000nT/m
Operating Interval:	3 seconds minimum, faster optional. Readings initiated from keyboard, external trigger, or carriage return via RS-232C.
Input / Output:	6 pin weatherproof connector, RS-232C, and (optional) analog output.
Power Requirements:	12V, 200mA peak (during polarization), 30mA standby. 300mA peak in gradiometer mode.
Power Source:	Internal 12V, 2.6Ah sealed lead-acid battery standard, others optional. An External 12V power source can also be used.
Battery Charger:	Input: 110 VAC, 60Hz. Optional 110 / 220 VAC, 50 / 60Hz. Output: dual level charging.
Operating Ranges:	Temperature: - 40°C to +50°C. Battery Voltage: 10.0V minimum to 15V maximum. Humidity: up to 90% relative, non condensing.
Storage Temperature:	-50°C to +50°C.
Display:	LCD: 240 X 64 pixels, OR 8 X 30 characters. Built in heater for operation below -20°C.
Dimensions:	Console: 223 x 69 x 240mm. Sensor Staff: 4 x 450mm sections. Sensor: 170 x 71mm dia. Weight: console 2.1kg, sensor and staff assembly 2.2 kg.
VLF	
Frequency Range:	15 - 30.0 kHz
Parameters Measured:	Vertical in-phase and out-of-phase components as percentage of total field. 2 relative components of horizontal field. Absolute amplitude of total field.
Resolution:	0.1%.
Number of Stations:	Up to 3 at a time.
Storage:	Automatic with: time, coordinates, magnetic field / gradient, slope, EM field, frequency, in- and out-of-phase vertical, and both horizontal components for each selected station.
Terrain Slope Range:	0° - 90° (entered manually).
Sensor Dimensions:	140 x 150 x 90 mm. (5.5 x 6 x 3 inches).
Sensor Weight:	1.0 kg (2.2 lb.).

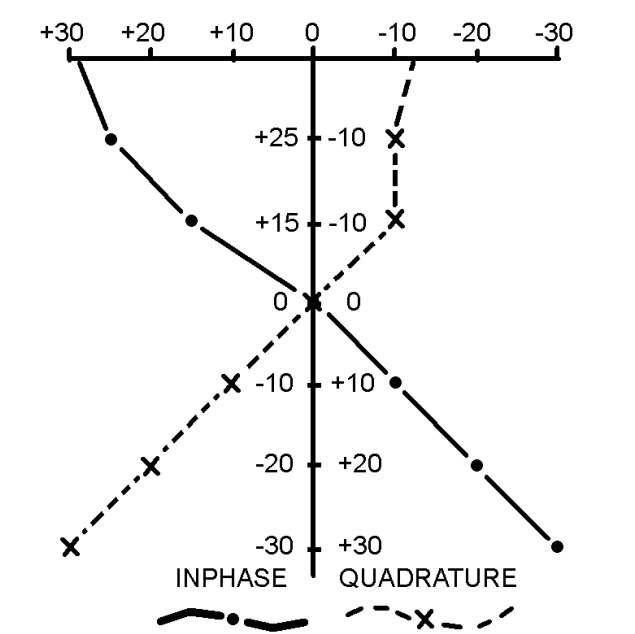
GEM Systems, Inc. Advanced Magnetometers
For more technical information, visit www.gemsys.ca



GSM 19T Magnetometer



Station: Jim Creek, Washington, U.S.A., 24.8 KHz



VLF-ELECTROMAGNETIC (EM) SURVEY INSTRUMENT READINGS

MC'COWAN PROPERTY

J3 EXPLORATIONS

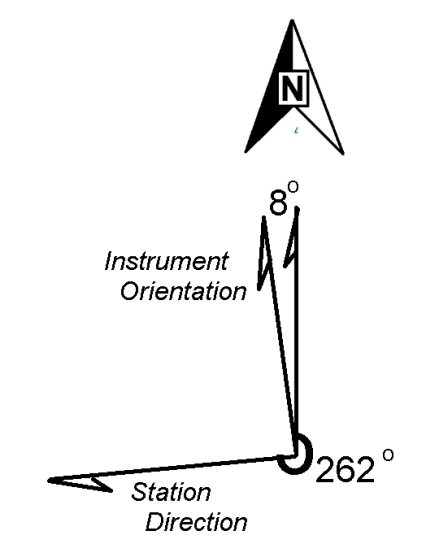
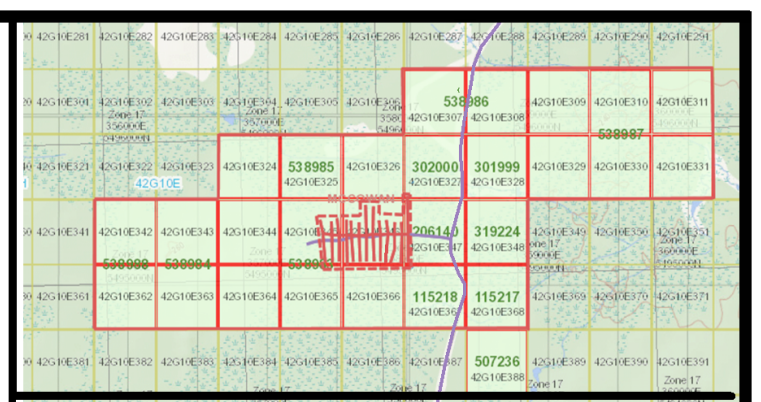
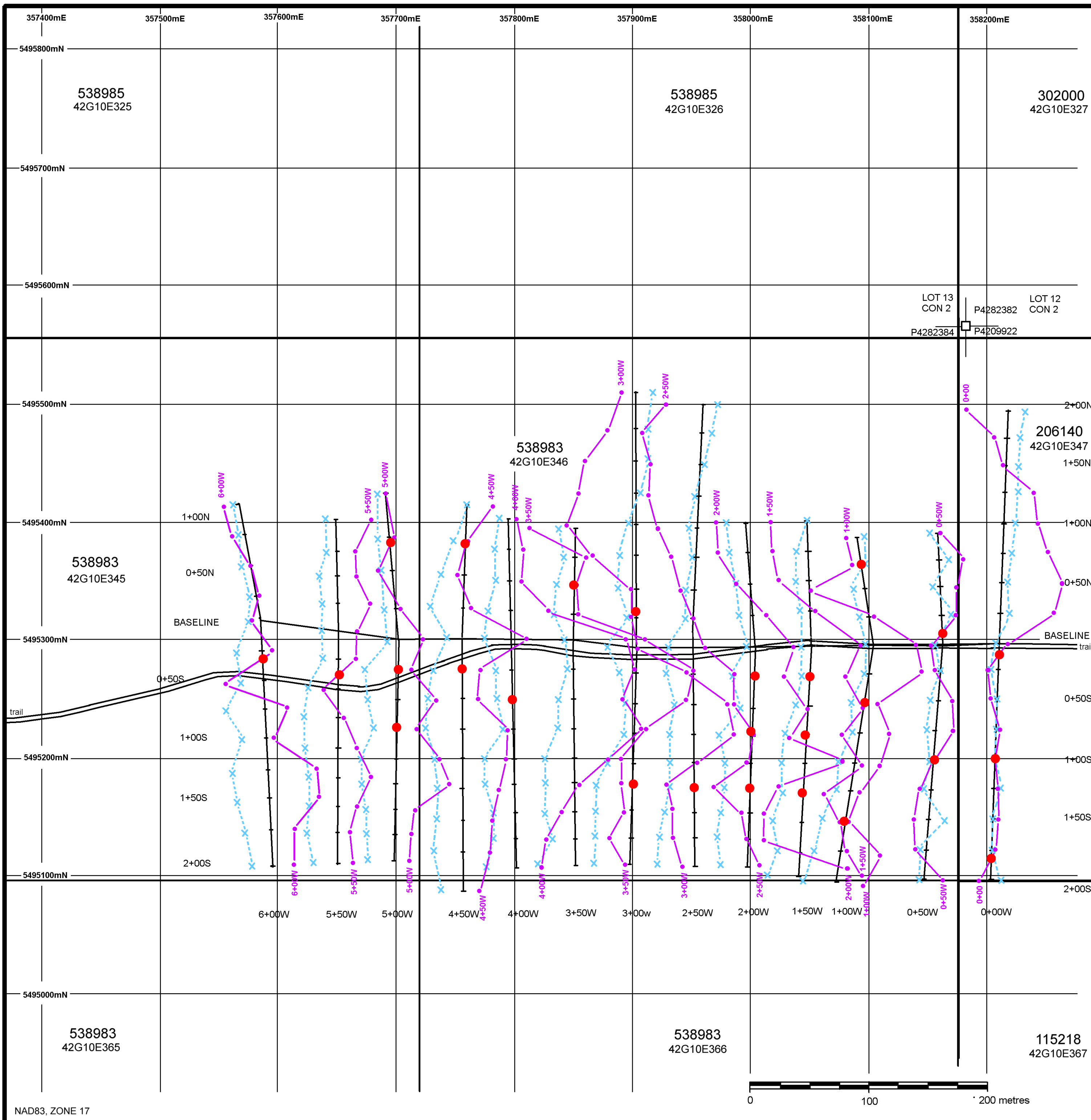
MC'COWAN TWP., ONTARIO

SURVEY DATE: September 2017	SCALE: 1 : 2,500
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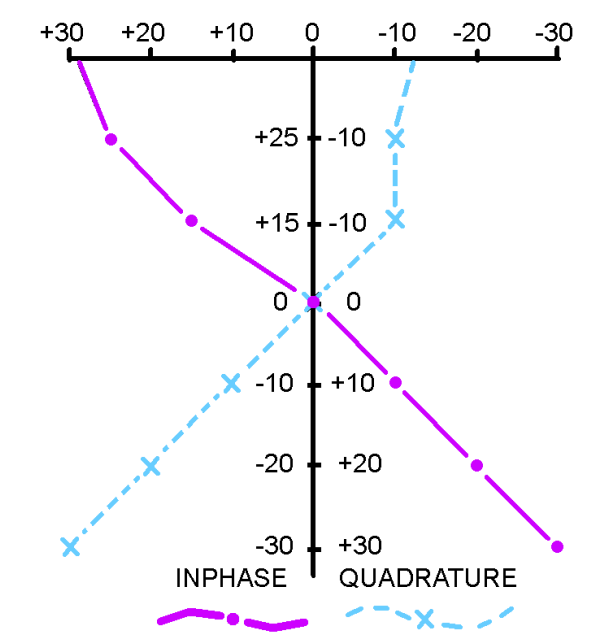
MAP DATE: December 2018	MAP No.: VLF-1
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DRAWN BY: RJD	REVISED:
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NAD83, ZONE 17



Station: Jim Creek, Washington, U.S.A., 24.8 KHz
 Instrument: EM-16
 GEONICS LIMITED
 Operator: J.M. Chard



● potential conductor

**VLF-ELECTROMAGNETIC (EM) SURVEY
 PROFILED DATA**

MC'COWAN PROPERTY

J3 EXPLORATIONS

MC'COWAN TWP., ONTARIO

SURVEY DATE: September 2017

SCALE: 1 : 2,500

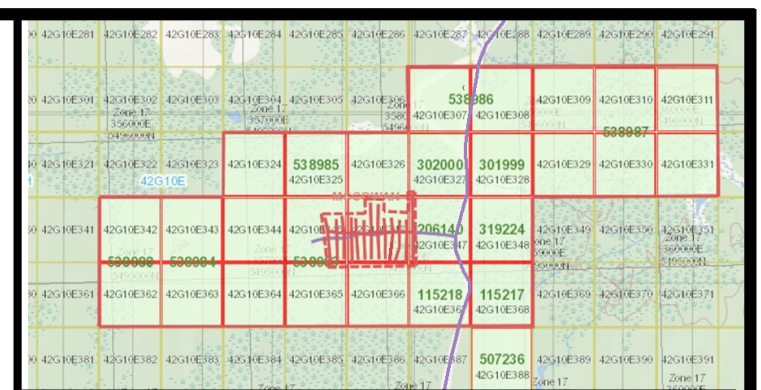
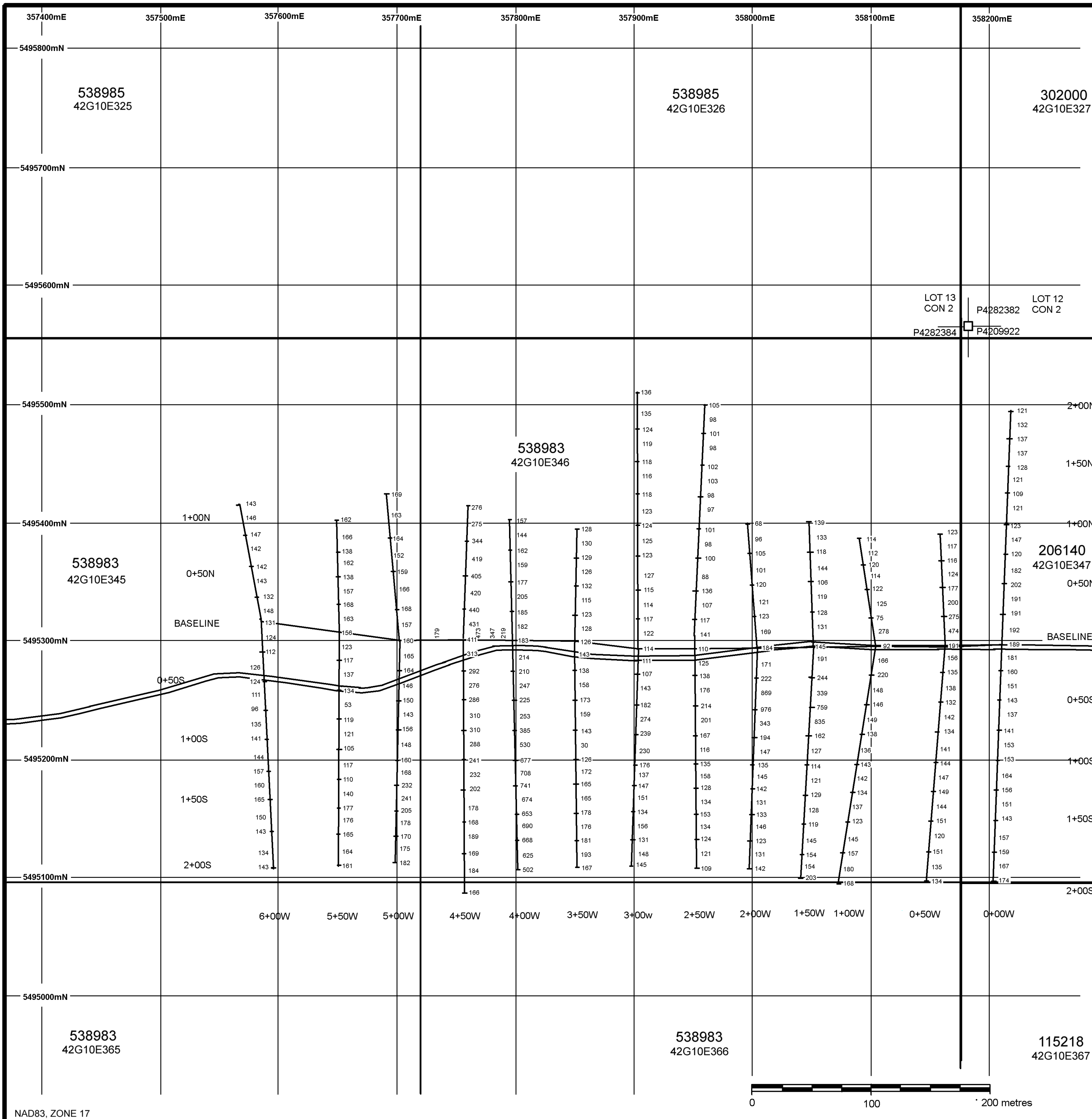
MAP DATE: December 2018

MAP No.: VLF-1

DRAWN BY: RJD

REVISED:

NAD83, ZONE 17



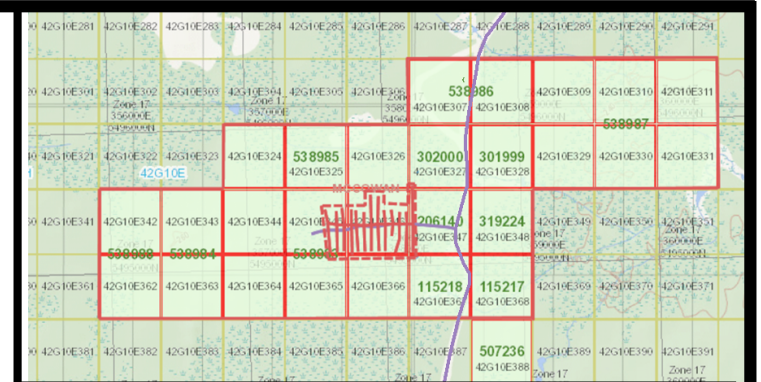
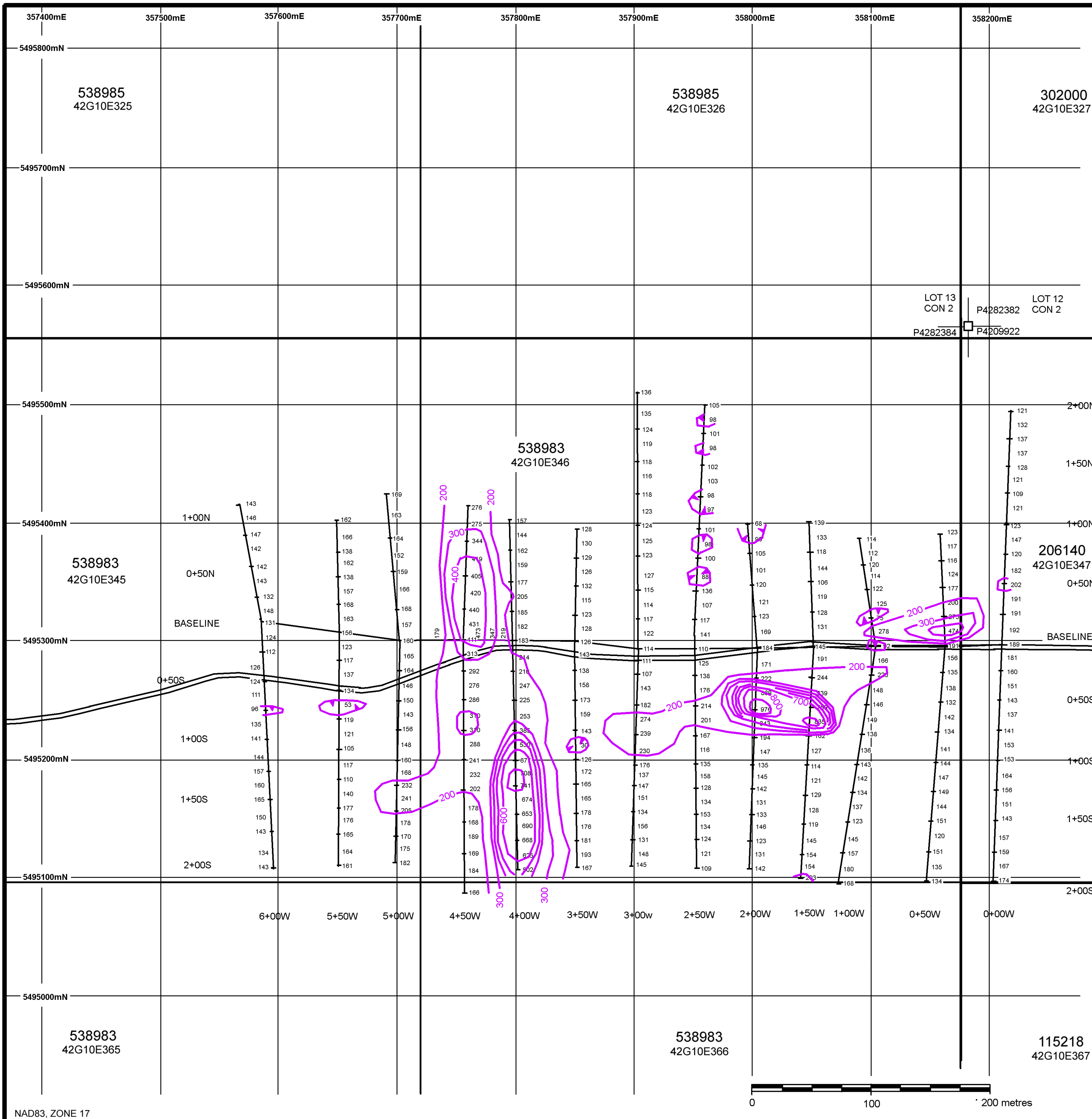
Values Based: 56,000 Nanoteslas

**Instrument: GSM-19T
Proton Magnetometer
GEM Systems**

Operator: R.J. Dillman

MAGNETOMETER SURVEY TOTAL FIELD	
MC'cowan PROPERTY	
J3 EXPLORATIONS	
MC'cowan TWP., ONTARIO	
SURVEY DATE: September 2017	SCALE: 1 : 2,500
MAP DATE: December 2018	MAP No.: MAG-1
DRAWN BY: RJD	REVISED:

NAD83, ZONE 17



Values Based: 56,000 Nanoteslas (nT)

Instrument: GSM-19T
Proton Magnetometer
GEM Systems

Operator: R.J. Dillman

Contour Interval: 100 nT

Area of Low Magnetic Intensity

MAGNETOMETER SURVEY
CONTOURED DATA: TOTAL FIELD

MC'COWAN PROPERTY

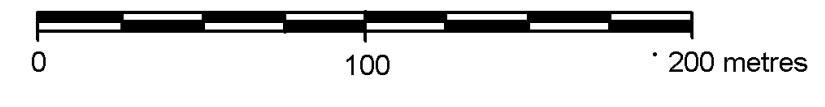
J3 EXPLORATIONS

MC'COWAN TWP., ONTARIO

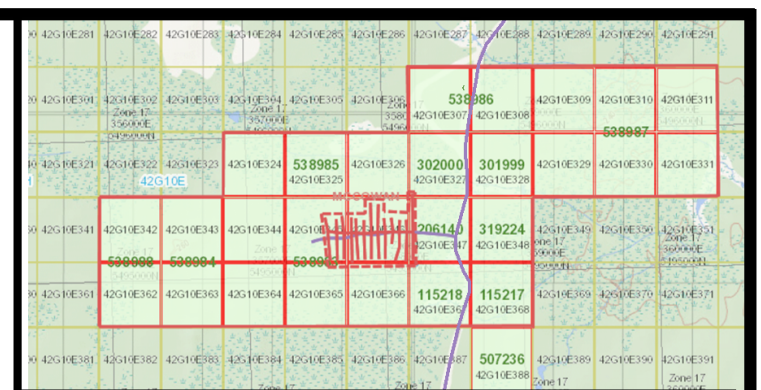
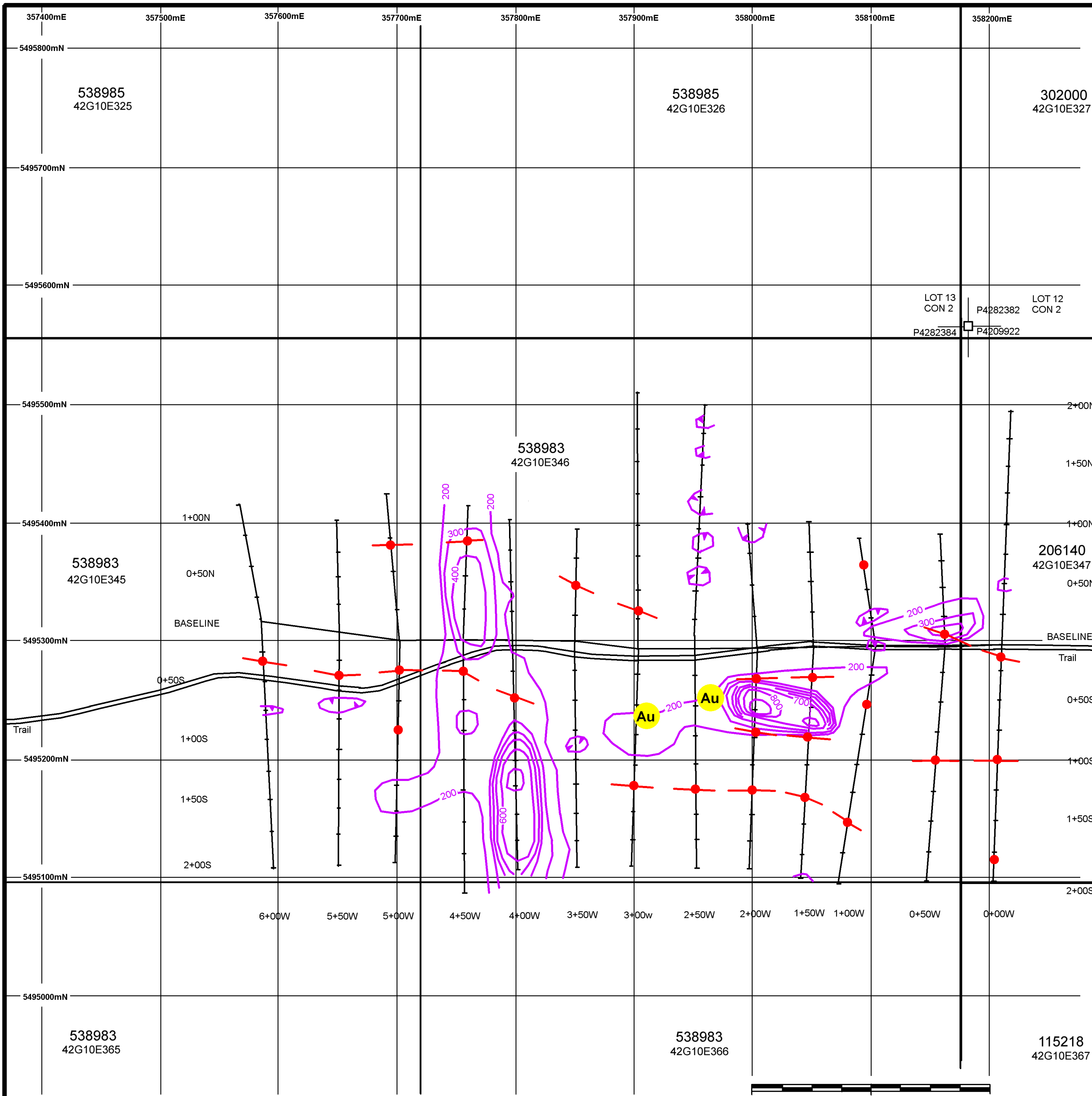
SURVEY DATE: September 2017	SCALE: 1 : 2,500
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MAP DATE: December 2018	MAP No.: MAG-2
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DRAWN BY: RJD	REVISED:
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NAD83, ZONE 17



Values Based: 56,000 Nanoteslas (nT)

Contour Interval: 100 nT

 Area of Low Magnetic Intensity

 potential conductor

 Gold Occurrence

**COMPILATION MAP
MAGNETIC'S + VLF-EM**

MC'COWAN PROPERTY

J3 EXPLORATIONS

MC'COWAN TWP., ONTARIO

SURVEY DATE: September 2017

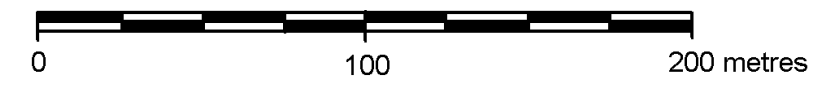
SCALE: 1 : 2,500

MAP DATE: December 2018

MAP No.:

DRAWN BY: RJD

REVISED:



NAD83, ZONE 17

Expenses: Magnetometer and VLF Surveys

McCowan Project, McCowan Twp., Ontario

JayCubed Explorations: Robert Dillman, James Chard, Dr. Jim Renaud

Category	Date dd/mm/yyyy	Days	Payee	Description	Amount	Notes
Magnetometer Survey	08/09/2017-13/09/2017	4	R. Dillman	geophysics	\$2,000	Property owner includes 2 days travel
VLF Survey	08/09/2017-13/09/2017	4	J. Chard	geophysics	\$2,000	Property owner includes 2 days travel
Magnetometer VLF Report	06/01/2019-22/01/2019	5	R. Dillman	report	\$2,500	Property owner
<i>Subtotal</i>					\$6,500	
Transportation			R. Dillman	2,035 km x \$0.50	\$1,018.00	Truck
Transportation			J. Chard	1,744 km x \$0.50	\$872.00	Truck, camper
<i>Subtotal</i>					\$1,890.00	
Food	06/09/2017		Foodtown	groceries	\$50.83	Komoka
Food	06/09/2017		Loblaws	groceries	\$78.30	London
<i>Subtotal</i>					<u>\$129.13</u>	
TOTAL					\$8,519.13	

Daily Log
McCowan Property

Date	R. Dillman	Dr. J. Renaud	J. Chard
September 6, 2017	Groceries		
September 8, 2017	Travel	Travel	Travel
September 9, 2017	Claim Staked	Geological Survey	Claim Staked
September 10, 2017	Magnetometer Survey	Geological Survey	VLF Survey
September 11, 2017	Magnetometer Survey	Geological Survey	VLF Survey
September 12, 2017	MMI Survey	Geological Survey	MMI Survey
September 13, 2017	Travel	Travel	Travel