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**Assessment Report on  
Geological Mapping and VLF Survey  
Chrome Property,  
Thunder Bay South District,  
Ontario**

Patented Claims TB10827, TB10828, TB10835, TB10836 and TB8428  
Obonga Lake Area (G-0100), Thunder Bay Mining Division  
Latitude 49° 58' 23" N, Longitude 89° 29' 39" W;  
UTM WGS84 Zone 16U 321165 mE, 5538605 mN;  
NTS 52H 14 - Gull Bay

For:  
Pavey Ark Minerals Inc.  
Client number 41165

Prepared By:  
Richard Sutcliffe, P.Ge. (Client number 225603)  
100 Broad Leaf Crescent,  
Ancaster, ON, L9G 3R8

October 19, 2017

## Executive Summary

This assessment report documents grid cutting, geological mapping and VLF surveying of the Chrome Property, Thunder Bay South District, Thunder Bay Mining Division, Ontario. The exploration targets chromite, nickel, platinum group (PGM) and gold mineralization associated with the past producing Chrome Lake Mine and Puddy serpentinite.

The Chrome Property is located 179 km north of the city Thunder Bay, 49 km southwest of the town of Armstrong Station, and 1,043 km northwest of Toronto, Ontario. Highway 527, a paved highway that extends north from Thunder Bay to Armstrong, is located 25 km east of the Property. The property is accessed from the Obonga Lake and Scalp Creek roads and then a 2.2 km long hiking/snowmobile trail that extends SW to the Property from the west end of the Scalp Creek road.

Field work for this report was carried out October 11 to 15, 2017 on patented claims TB10827, TB10828, TB10835, TB10836 and TB8428. Reporting was completed on October 19, 2017. The total length of the cut grid is 2.75 km. Total expenditures were \$13,393.

The Chrome Property is underlain by the Chrome-Puddy serpentinite intrusion. Historically, exploration in the eastern portion of the serpentinite on which this work was performed has targeted chromite. Following the discovery of chromite at Chrome Lake in 1928, Consolidated Chromium Corporation completed trenching, drilling and shaft sinking at the Chrome Lake mine where 7,672 tons of chromite were mined between 1934 and 1938. The ultramafic rocks have been completely altered to serpentine, talc, chlorite, carbonate, magnetite, and amphibole. Medium-grained, biotite tonalite bounds the serpentinite to the north. South of Puddy Lake, the serpentinite intrusion is bound by mylonite and mixed metasedimentary and granitic rocks.

The 2017 VLF survey of the grid identified a VLF conductor on Lines 13+00W and 15+00W that is parallel to the strike of the serpentinite intrusion and north of the magnetic high defined by the Dighem airborne survey. This may be on strike with the stronger conductor defined in 2016.

Geological mapping has defined the approximate northern boundary of the serpentinite with foliated tonalite. Structures within the tonalite and serpentinite indicate that the serpentinite-tonalite contact is south dipping. The VLF conductor parallels the interpreted serpentinite-tonalite contact and warrants drill testing for potential Cu-Ni sulphides.

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## **1.0 Introduction**

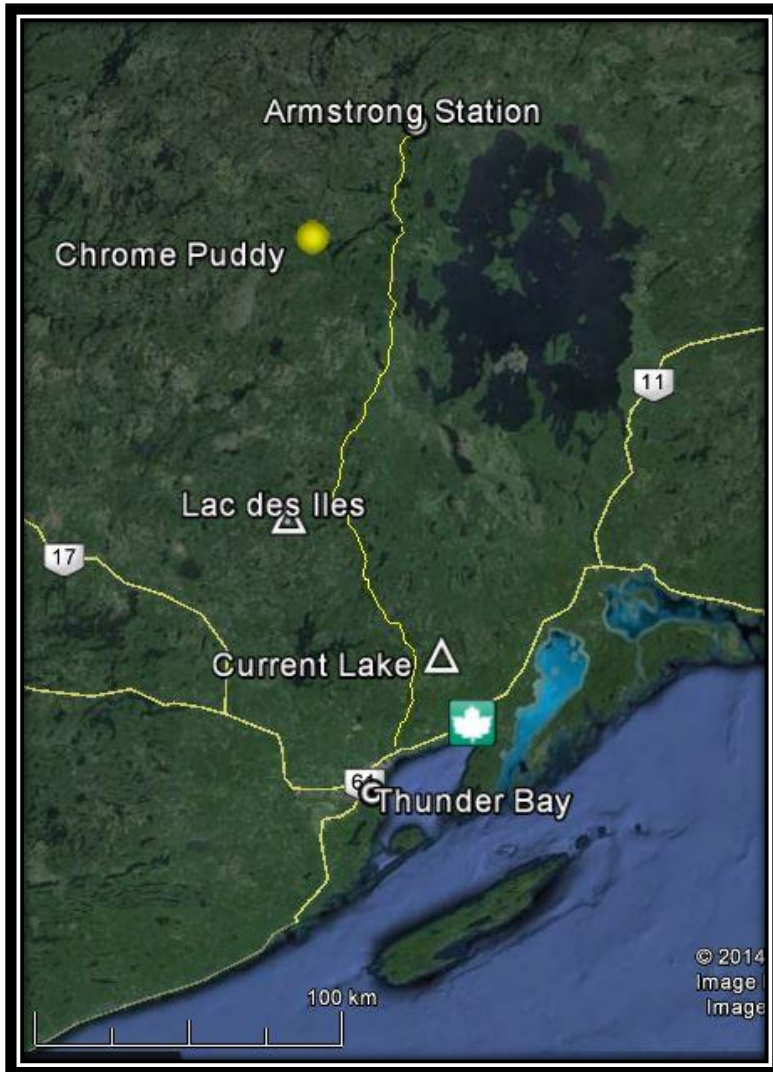
This assessment report documents grid cutting, geological mapping, and VLF surveying on the Chrome Property, Thunder Bay Mining Division, Ontario. Field work for this report was carried out October 11 to 15, 2017 on patented claims TB10827, TB10828, TB10835, TB10836 and TB8428. Total expenditures were \$13,393. The exploration targets chromite, nickel, and platinum group (PGM) mineralization associated with the past producing Chrome Lake Mine and Puddy serpentinite.

## **2.0 Location and Access**

The Chrome Property is located in the Thunder Bay Mining District of northwestern Ontario. The property is 179 km north of the city Thunder Bay, 49 km southwest of the town of Armstrong Station, and 1,043 km northwest of Toronto, Ontario. Highway 527, a paved highway that extends north from Thunder Bay to Armstrong, is located 25 km east of the Property.

Logging roads east of the Property come to within 2.2 km of Chrome Lake. The logging road access route is from the "Obonga Lake Road" which is a signed gravel road west of highway 527 and located 30 km south of Armstrong Station. From the Obonga Lake Road, the property is accessed from the unmaintained Scalp Creek Road and then a hiking/snowmobile trail. The trail is approximately 2.2 km long and extends SW to the Property from the west end of the Scalp Creek road.

**Figure 1. Chrome Property Location**



Source: Google Earth 2016

### **3.0 Claim Holdings and Property Disposition**

The work for this assessment was completed on five contiguous patented claims (TB10827, TB10828, TB10835, TB10836 and TB8428). Claims are 100% owned by Pavey Ark Minerals Inc., a private company. The complete list of patented and staked claims that forms the Chrome – Puddy Property is provided in Table 1 and 2.

**Table 1. List of Patented Claims owned by Pavey Ark**

Patent Number	Recorded Claim Number	Area (acres)	Area (hectares)
TB 8420	TB 14414 & TB14413	88.55	35.84
TB 8421	TB 14415	50.91	20.60
TB 8422	TB 14412	33.90	13.72
TB 8423	TB 10835	66.41	26.88
TB 8424	TB 10836	69.24	28.02
TB 8425	TB 10826	44.63	18.06
TB 8426	TB 10827	41.87	16.94
TB 8427	TB 10828	31.88	12.90
TB 8428	TB 10883	17.83	7.22
TB 8814	TB 8814	74.67	30.22
TB 9294	TB 19207	40.56	16.41
		<b>Total 560.45</b>	<b>226.81</b>

**Table 2 List of Staked Claims comprising the Chrome Puddy Property**

Township/Area	Claim Number	Recording Date	Claim Due Date	Status	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank
OBONGA LAKE AREA	<a href="#">4244587</a>	2012-Oct-22	2018-Oct-22	A	100 %	\$800	\$3,200	\$1,674	\$0
OBONGA LAKE AREA	<a href="#">4254345</a>	2012-Nov-27	2018-Nov-27	A	100 %	\$2,400	\$9,600	\$0	\$0
OBONGA LAKE AREA	<a href="#">4254346</a>	2012-Nov-27	2017-Nov-27	A	100 %	\$3,200	\$9,600	\$124	\$0
PUDDY LAKE AREA	<a href="#">4254343</a>	2012-Nov-27	2017-Nov-27	A	100 %	\$4,000	\$12,000	\$0	\$0
PUDDY LAKE AREA	<a href="#">4265978</a>	2013-Mar-21	2018-Mar-21	A	100 %	\$400	\$1,200	\$0	\$0
PUDDY LAKE AREA	<a href="#">4265979</a>	2013-Mar-21	2018-Mar-21	A	100 %	\$400	\$1,200	\$0	\$0
PUDDY LAKE AREA	<a href="#">4265980</a>	2013-Mar-21	2018-Mar-21	A	100 %	\$400	\$1,200	\$0	\$0
PUDDY LAKE AREA	<a href="#">4265987</a>	2012-Oct-22	2017-Oct-22	A	100 %	\$6,000	\$18,000	\$494	\$0
PUDDY LAKE AREA	<a href="#">4265988</a>	2012-Oct-22	2018-Oct-22	A	100 %	\$2,800	\$11,200	\$0	\$0

#### 4.0 Previous Work

Historically, exploration and development in the eastern portion of the Chrome-Puddy serpentinite has targeted chromite, while the western portions of the intrusion have been explored for nickel and precious metals. Historic exploration activity on the property, as documented by Puumala et al. (2012) is summarized below.

Chromite was first discovered in the vicinity of Chrome Lake in 1928 by W.K. Keefe and R.A. MacDonald who staked the occurrence and transferred ownership to Golden Centre Mines Inc. of New York. In 1930 Consolidated Chromium Corporation, a subsidiary of Golden Centre Mines, began development work, including stripping, trenching, drilling and shaft sinking. The shaft was sunk to a depth of 350 feet, with levels at 100 and 225 feet. Operations ceased in late fall of 1930 and did not resume until 1933, when new owner Chromium Alloy Co. sent 70 tons of ore to Niagara Falls, New York, for beneficiation tests. Chromium Mining and Smelting Corp. Ltd. was formed and took control of the property in 1934 and re-commenced operations in 1936. Underground work was discontinued in 1937 because of poor ore recovery, and all activities on the site ceased in 1938. The Chrome property has been inactive since 1938.

Between 1964 and 1967, Commerce Nickel Mines carried out the first significant exploration program targeting nickel in the western portion of the Puddy serpentinite, including trenching, geological mapping, geochemical and geophysical surveys and diamond drilling (24 diamond-drill holes, totalling 5,590 feet). Between 1967 and 1968, Newmont Mining Corp. of Canada completed trenching, electromagnetic surveying and diamond drilling (10 holes, totalling 3106 feet). By the mid- to late-1980s, the area began to receive attention for its PGE potential. Between 1985 and 1993, K. Kuhner carried out prospecting, outcrop stripping, surface sampling and ground geophysical surveys on claims located on the south side of Puddy Lake. The property was transferred to Obongo Precious Metals Ltd. in 1993, and Obongo completed approximately 20 diamond-drill holes between 1993 and 1996. Imperial Platinum Corp. carried out geological mapping, sampling and ground geophysical surveys in 1987 and 1988 over an adjacent property encompassing areas west, north and southeast of Puddy Lake.

The OGS completed airborne magnetic and electromagnetic surveys with the Dighem EM system in 2000 with 200m line spacing and a nominal 58m terrain clearance (OGS 2000). The most recent exploration activity includes ground magnetic and electromagnetic surveys conducted by Vale Inco Ltd. in 2007 over a property covering the western half of the Puddy Lake serpentinite that identified a number of east west trending conductors, particularly north of Puddy Lake. D. Plumridge has carried out prospecting and sampling of a claim near the southeast end of Puddy Lake since 2004. Pavey Ark Minerals Inc reported results of mapping, portable XRF analysis and prospecting in 2014 and 2015. Pavey Ark conducted geological mapping and VLF-EM surveying on a 3.7 km grid west of the Chrome Mine shaft in 2016.



## 5.0 Geology

The Chrome-Puddy Property is located in the Obonga metavolcanic and metasedimentary greenstone belt of the Archean Superior Province. The Obonga greenstone belt is a relatively small (approximately 10 x 40 km) greenstone belt, situated between the Sturgeon-Savant belt on the west and the Onaman-Tashota belt to the east, and has been considered to be part of the Wabigoon Subprovince (Percival and Stott 2000).

The Chrome Puddy Property is underlain by the Chrome-Puddy serpentinite intrusion that is exposed for 7 km along strike and is approximately 1 km in width (Figure 2). Whittaker (1986) reports that rocks of the intrusion include dunite, peridotite, and minor pyroxenite, all of which are serpentinitized. Medium-grained, biotite tonalite bounds the Serpentinite to the north. South of Puddy Lake, the serpentinite intrusion is bound by mylonite and mixed metasedimentary and granitic rocks. North-striking and east-striking diabase dikes of probable middle Proterozoic age cut the Serpentinite.

The ultramafic rocks have been completely altered to serpentine, talc, chlorite, carbonate, magnetite, and amphibole. The alteration, metamorphism and deformation of the serpentinite has made the interpretation of protoliths in the intrusion difficult (Graham 1930; Hurst 1931; Simpson and Chamberlain 1967; Whittaker 1986). Although no ultramafic rocks with primary mineralogy remain, the original rock types in some areas can be inferred with some confidence by comparison with the results of studies on known types of serpentine pseudomorphs.



## 8.1 Serpentinite

Outcrops of serpentinized ultramafic rocks are well exposed along the base line between 12+00W and 14+50W. In this area the ultramafic rocks are creamy grey to buff weathering and have dark, grey-green serpentinized fresh surfaces. Locally, excellent examples of “elephant hide” weathering are present. Although primary ultramafic lithologies are difficult to determine due to the high degree of serpentinite alteration, local relict olivine cumulate textures can be identified on weathered surfaces indicating that some of the ultramafic rocks are altered dunites.

## 10.2 Biotite Tonalite

Strongly foliated, medium grained biotite tonalite (Unit 3a) occurs north of the Chrome-Puddy serpentinite on lines 9+00W, 11+00W, and 13+00W.

## 8.3 Structure

Shallow (approximately 40°) south-dipping foliations are observed in the biotite tonalite and locally in the ultramafic rocks. These orientations are consistent with those measured on the grid in 2016.

Underground workings at the #1 shaft of the Chrome Lake Mine also document that both the northern and southern contacts of the serpentinite dip south at approximately 45° (Hurst, 1931).

Approximately 100 m south of the Chrome Lake mine waste dump, the serpentinite-tonalite contact appears to be truncated by an east-west trending mylonite zone that dips at approximately 45° south.

## **8.0 VLF Survey**

The Chrome grid was surveyed on October 13 and 14, 2017 with a Geonics EM16 (serial number 3353) using NAA Cutler, Maine as the transmitter. Data was collected by R.H. Sutcliffe. In-Phase and Quadrature measurements were collected at picketed 25m station intervals in a north facing direction. All four grid lines and the base line were surveyed.

In-Phase and Quadrature measurements were recorded manually and entered into a spreadsheet for processing. The data were plotted and evaluated by Dr. Colin Bowdidge. Map 3 plots data postings and Map 4 plots the data profiles.

The 2017 VLF survey of the grid identified a VLF conductor on Lines 13+00W and 15+00W that is parallel to the strike of the serpentinite intrusion and north of the magnetic high defined by the Dighem airborne survey. This may be on strike with the stronger conductor defined in

2016. The position of the VLF conductor relative to the total magnetic field (OGS, 2000) is shown on Map 5.

## **10.0 Conclusions and Recommendations**

Geological mapping has defined the approximate northern boundary of the serpentinite with foliated tonalite, however, the precise location of the contact is obscured by overburden and large boulders. Foliations within the tonalite and serpentinite suggest that the contact is south dipping.

This program has defined a VLF conductor that may be a western continuation of the VLF conductor identified north west of the Chrome mine shaft in 2016. The conductor parallels the interpreted serpentinite-tonalite contact, and is located on the north flank of a magnetic high on the published airborne maps. The conductor warrants drill testing for potential Cu-Ni sulphides.

## **Acknowledgements**

Field support by Greg Smith and Joey Achneepineskum of A-Star Prospecting was greatly appreciated. Dr. Colin Bowdidge provided guidance on the VLF instrument and an interpretation of the results.

## 11.0 References

Graham, A.R., 1930, Obonga Lake Chromite Area, District of Thunder Bay, in the Thirty-Ninth Annual Report of the Ontario Department of Mines, Vol. XXXIX, Part II, pp. 51-60.

Hurst, M.E., 1931, Chromite Deposits of the Obonga Lake Area, District of Thunder Bay, in the Fortieth Annual Report of the Ontario Department of Mines, Vol. XL, Part IV, pp. 111-119.

Ontario Geological Survey, 2000, Airborne magnetic and electromagnetic surveys, Garden-Obonga area, Ontario Geological Survey, Map 82-097, Scale 1:20,000.

Percival, J.A., and Stott, G.M. 2000, toward a revised stratigraphy and structural framework for the Obonga Lake greenstone belt, Ontario, Geological Survey of Canada, Current Research 2000-C22, 8 p.

Puumala, M., et al. 2013, Report of Activities 2012, Resident Geologists Program, Thunder Bay South District, Ontario Geological Survey P6285.

Simpson, P.R., and Chamberlain, J.A., 1967: Nickel Distribution in Serpentinities from Puddy Lake, Ontario; Geo. Assoc. Canada Proceedings, Vol. 18, p.67-91.

Whittaker, P.J., 1986, Chromite Deposits in Ontario, Ontario Geological Survey, Study 55, 97p.

## 12.0 Statement of Qualifications

I, Richard H. Sutcliffe, of 100 Broadleaf Crescent, Ancaster, Ontario, do hereby certify that:

I am a graduate of University of Toronto (B.Sc. Geology, 1977, M.Sc Geology 1980), and a graduate of University of Western Ontario (Ph.D. Geology, 1986) and I have been practising my profession as a geologist since.

I am a member with the Association of Professional Geoscientists of Ontario (#852).

I have direct knowledge of the exploration work performed for this assessment and I am indirectly the owner of the claims on which the work was performed.

*Signed*

*"R.H. Sutcliffe"*

Richard H. Sutcliffe, Ph.D., P.Geo.

October 19, 2017

Ancaster, Ontario

## Appendix 1. Grid coordinates

Instrument - Geonics EM16, serial number 3353  
Data collected by Richard H. Sutcliffe  
Transmitter - NAA Cutler  
Facing direction - North, In-Phase read as % slope

### Chrome Cr-PGM Property

#### Baseline Coordinates

BL9W 320648mE 5538741mN  
BL11W 320477mE 5538848mN  
BL13W 320299mE 5538939mN  
BL15W 320129mE 5539035mN

#### Line End Point Coordinates

L9W 3+00N 320790mE 5538984mN  
L9W 2+00S 320550mE 5538584mN  
L11W 3+00N 320626mE 5539074mN  
L11W 2+00S 320385mE 5538662mN  
L13W 3+00N 320447mE 5539197mN  
L13W 2+00S 320201mE 5538773mN  
L15W 3+00N 320267mE 5539299mN  
L15W 2+00S 320030mE 5538870mN

## Appendix 2. Expenditures

Item	Units	Unit Cost	HST	Total
<b>Line Cutting – October 11 to 14, 2017</b>				
A-Star Prospecting - Line cutting, plus mob/demob/camp costs, trail	3 km	\$875/km	749.13	<b>6,511.63</b>
<b>Geologist – R. Sutcliffe</b>				
Field work – October 12 to 15, 2017	4 days	\$650/day	338.00	<b>2,938.00</b>
Reporting – 1 day, October 19, 2017	1 days	\$650/day	84.50	<b>734.50</b>
<b>Geophysics – Colin Bowdidge</b>				
Data plotting and interp	1 day			<b>\$750.00</b>
<b>Travel</b>				
Personal Vehicle – 1 trip Ancaster/T Bay/Armstrong/Ancaster	3,402 km	\$0.50/km		<b>1,701.00</b>
<b>Food and Accommodation</b>				
Groceries	5 days	\$35/day		<b>175.00</b>
Hotel, Wawa, Oct 11 and 15, 2017	2 nights		44.33	<b>385.33</b>
<b>Office Supplies &amp; Field consumables</b>				
Copies - Staples			1.52	<b>13.22</b>
Sat Phone – In Reach			2.59	<b>22.54</b>
Teranetexpress – Land records			13.70	<b>161.45</b>
<b>TOTAL EXPENDITURES</b>				<b>13,392.67</b>



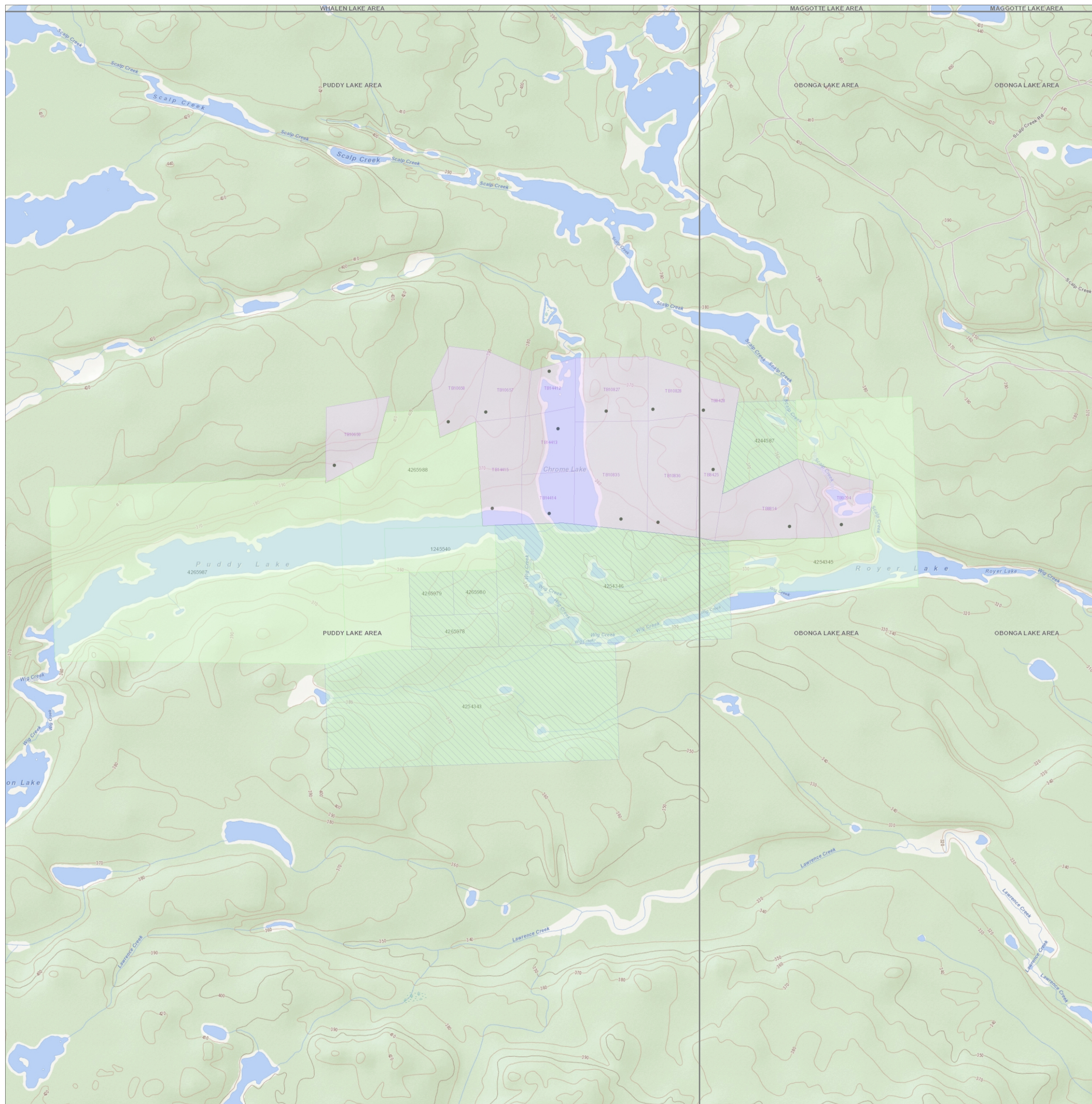
<b>Assignment of Expenditure to Claims</b>					
<b>Claim</b>	<b>Percentage</b>	<b>Expenditure</b>	<b>Applied</b>	<b>Banked</b>	<b>Order to be Cut back</b>
TB10827	30%	\$4,018	\$0	\$0	
TB10828	20%	2,679	\$0	\$0	
TB10835	10%	1,339	\$0	\$0	
TB10836	30%	4,018	\$0	\$0	
TB8428	10%	1,339	\$0	\$0	
4265987	0%	0	\$6,193	\$0	3
4254346	0%	0	3,200	\$0	2
4254343	0%	0	4,000	\$0	1
<b>Total</b>		\$13,393	\$13,393		



Ontario Ministry of Northern Development and Mines  
Mining Lands Claim Map

**Administrative Districts**

Township  
**PUDDY LAKE AREA**  
Mining Division  
**Thunder Bay**  
Land Registry  
**THUNDER BAY**  
MNRF District Office  
**THUNDER BAY**

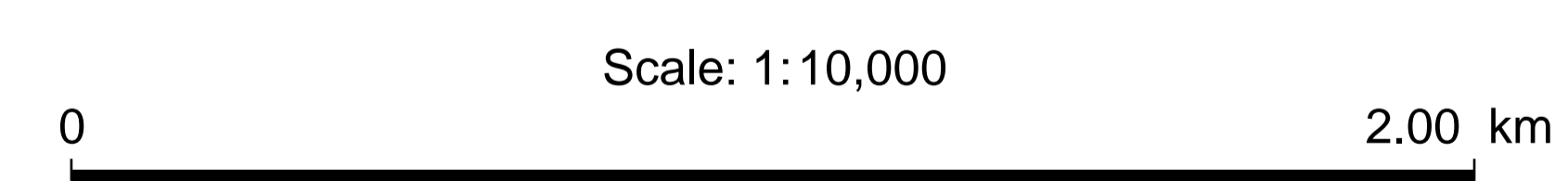


**Topographic**

- Building as Symbol
- Building to Scale
- Runway
- Helipad / Helipad Helipad
- Signage Marker
- Ferry Route
- Trail Head / Trail
- Railway / Train Station
- Railway with Bridge
- Railway with Tunnel
- Road (Major / Minor)
- Winter Road
- Road with Bridge
- Road with Tunnel
- Primary, Kings or 400 Series Highway
- Secondary Highway
- Relay Highway
- District, County, Regional or Municipal Road
- Toll Highway
- One Way Road
- Road with Rampart
- Social Passage
- Road with Address Ranges
- Hydro Line, Communication Line or Unknown Transmission Line
- Natural Gas Pipeline, Water Pipeline or Unknown Pipeline
- Contour
- Spot Height
- Index Contour
- Wooded Area
- Wetland
- Waterbody
- Waterbody Elevation
- Watercourse
- Falls
- Rapids
- Rapids / Falls
- Rock
- Lock Gate
- Dam / Hydro Wall
- Dam / Hydro Wall
- Provincial / State Boundary
- International Boundary
- Upper Tier / District
- Lower Tier / Single Tier
- Municipal Boundary
- Lot Line
- Indian Reserve
- Provincial Park
- National Park
- Conservation Reserve
- Military Lands

**Mining Lands**

- Administration Boundaries
- Mining Divisions
- Resident Geologist District
- Townships and Areas
- UTM Grid
- Geographic / Lot Fabric
- Other Federal Land
- Mineral Tenure Grid
- Ontario Tenure Grid
- Alienations
- Withdrawal
- Notice
- Unpatented Claim
- Active
- Rescinded
- Forfeited
- Disposition
- Disposition Symbols
- Camp
- Disposition Unresolved
- Freehold Patent Mining Rights Only
- Freehold Patent Surface Rights Only
- Right
- Land Use Permit
- Leasehold Patent Mining Rights Only
- Leasehold Patent Surface Rights Only
- Leasehold Patent Surface and Mining Rights
- License of Occupation Mining Use Only
- License of Occupation Surface Use Only
- License of Occupation Surface and Mining Rights
- License of Occupation Uses Not Specified
- Order in Council
- Trust
- WFLA
- Geology Layers
- AMS Data
- AMS Features
- Old Mines
- Mineral Occurrences

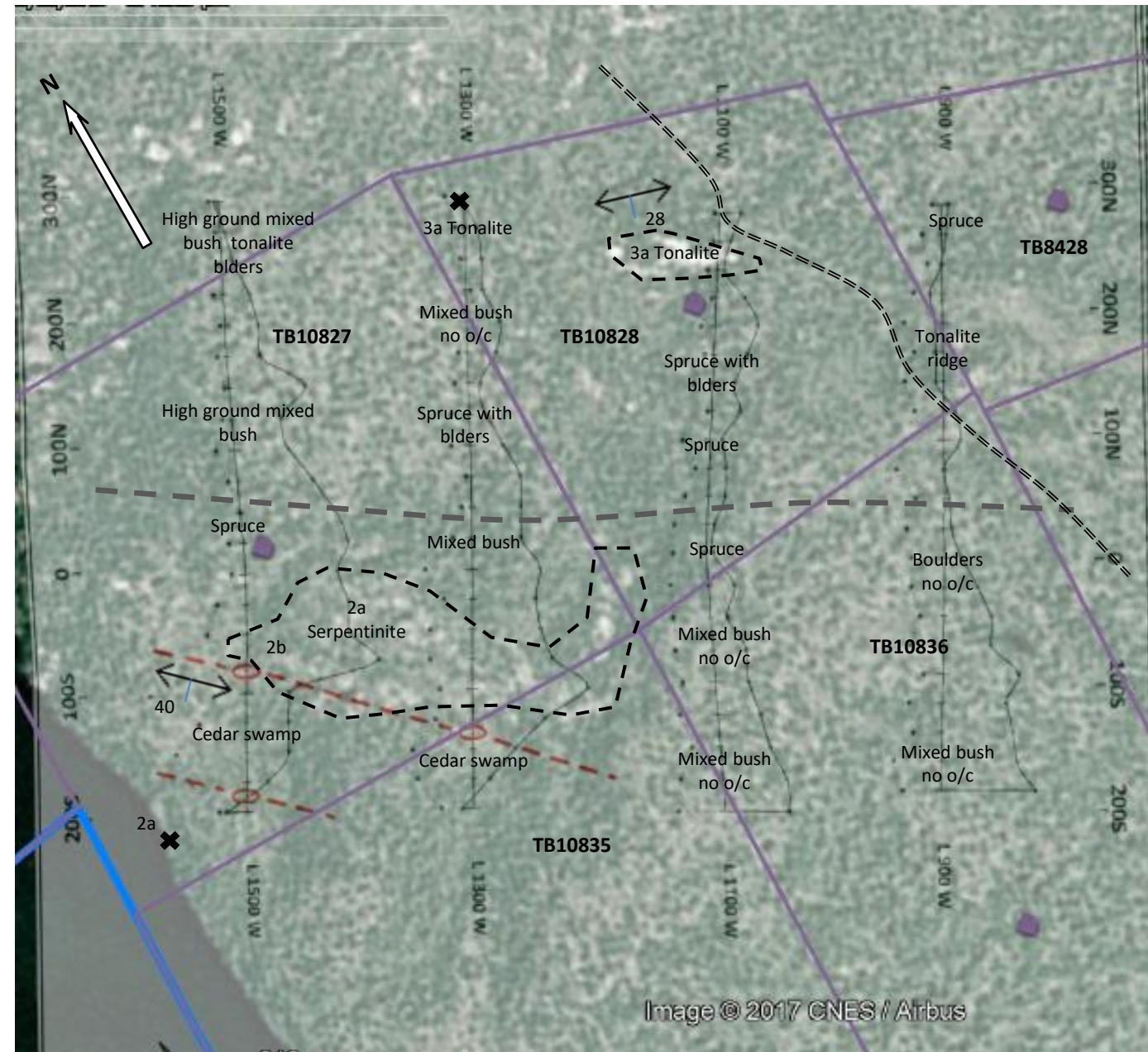


Map Datum: NAD 83  
Projection: Web Mercator



Those wishing to stake mining claims should consult with the Provincial Mining Records' 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 and Forestry.  
The information shown is derived from digital data available in the Provincial Mining Records' Office at the time of downloading from the Ministry of Northern Development and Mines web site.  
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## Map 2. Chrome Property Geology

Patented Claims TB10827, TB10828, TB10835, TB10836 and TB8428

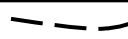

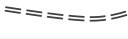




G-0100, Obonga Lake area, Thunder Bay Mining Division  
NTS 52H 14 - Gull Bay

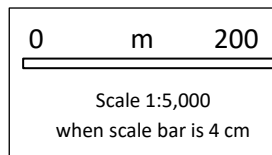
Datum NAD83, UTM Zone 16U Magnetic declination 3° 53' W

For: Pavey Ark Minerals Inc., Client number 41165

Prepared By: R. H. Sutcliffe, P.Geo.

October 19, 2017

Legend	
3a Biotite tonalite	Cr – chromite
2a Serpentine	Geological Contact 
2b Serpentine with chromite	Claim Line 
	Trail 
Foliation 	no o/c – no outcrop
	Outcrop 
VLF Conductor 	Grid Line 



320000

320500

321000

321500

5539000

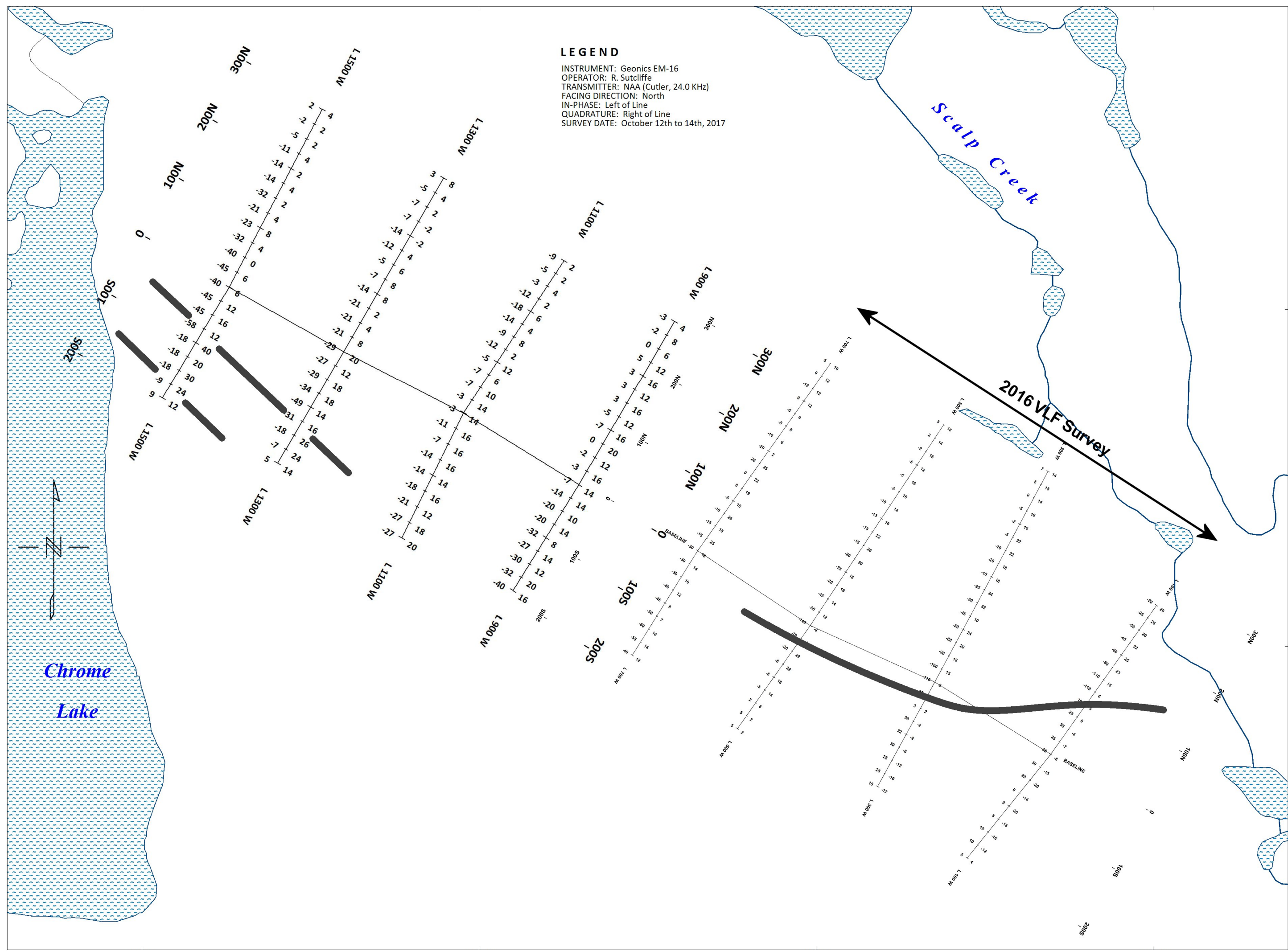
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5538500

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**LEGEND**

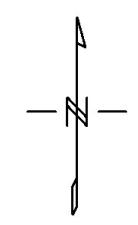
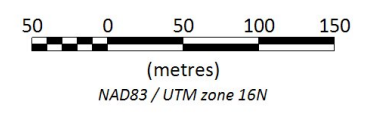
INSTRUMENT: Geonics EM-16  
OPERATOR: R. Sutcliffe  
TRANSMITTER: NAA (Cutler, 24.0 KHz)  
FACING DIRECTION: North  
IN-PHASE: Left of Line  
QUADRATURE: Right of Line  
SURVEY DATE: October 12th to 14th, 2017



 Interpreted conductors

**PAVEY ARK MINERALS INC.**  
CHROME Cr-PGM PROPERTY  
OBONGA LAKE AREA  
NORTHWEST ONTARIO

**VLF-ELECTROMAGNETIC SURVEY  
IN-PHASE & QUADRATURE POSTING**



320000

320500

321000

321500

### LEGEND

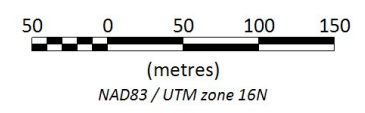
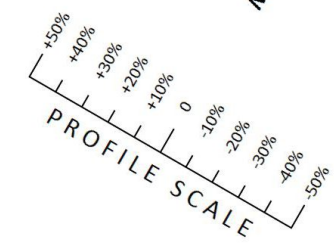
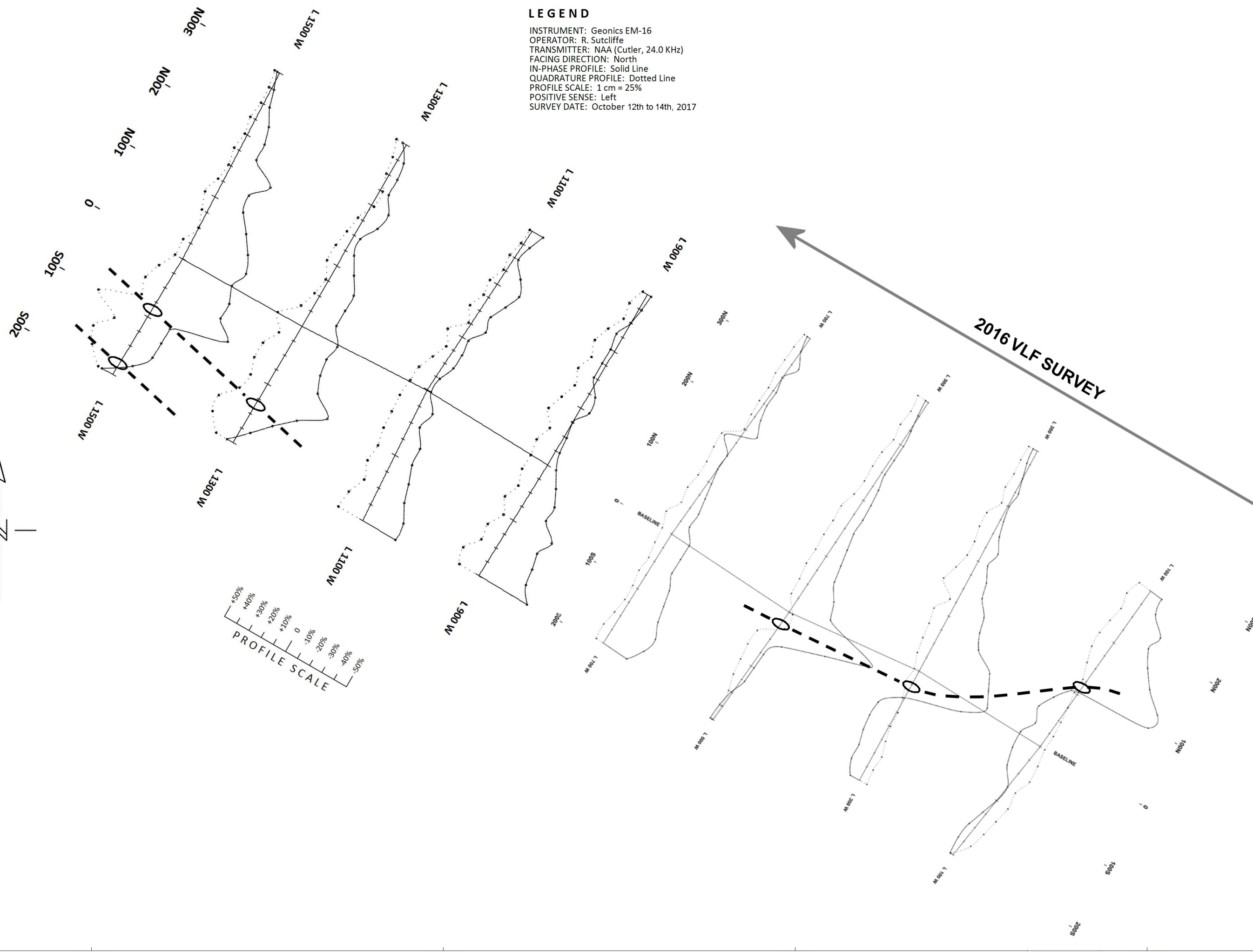
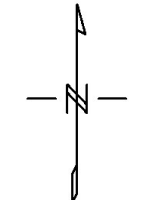
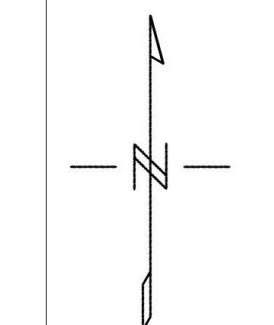
INSTRUMENT: Geonics EM-16  
 OPERATOR: R. Sutcliffe  
 TRANSMITTER: NAA (Cutler, 24.0 KHz)  
 FACING DIRECTION: North  
 IN-PHASE PROFILE: Solid Line  
 QUADRATURE PROFILE: Dotted Line  
 PROFILE SCALE: 1 cm = 25%  
 POSITIVE SENSE: Left  
 SURVEY DATE: October 12th to 14th, 2017

5539000

5539000

5538500

5538500



**PAVEY ARK MINERALS INC.**  
 CHROME Cr-PGM PROPERTY  
 OBONGA LAKE AREA  
 NORTHWEST ONTARIO

**VLF-ELECTROMAGNETIC SURVEY**  
**IN-PHASE & QUADRATURE PROFILES**

Interpreted conductor axes

320000

320500

321000

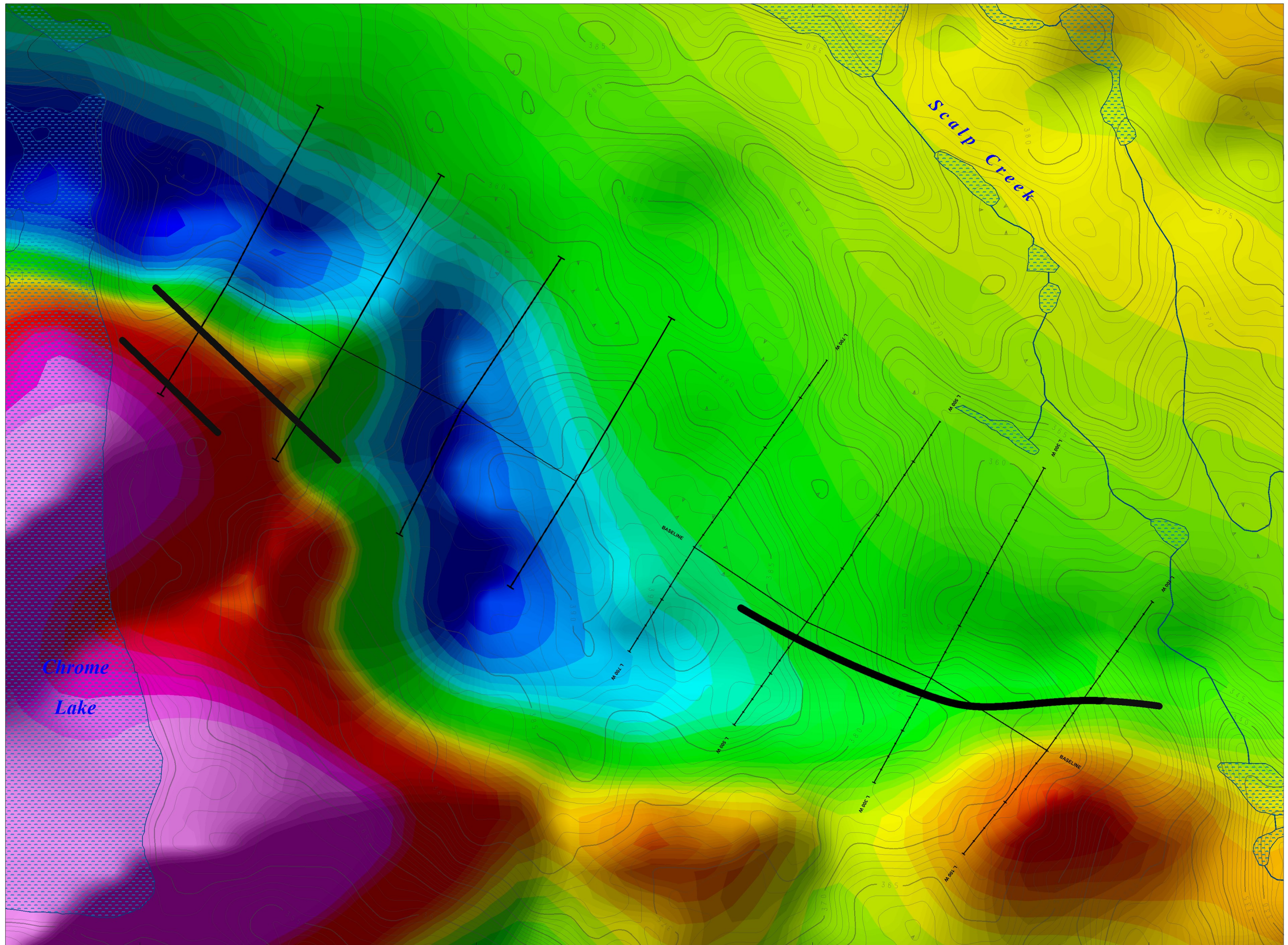
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5539000

5539000

5538500

5538500



320000

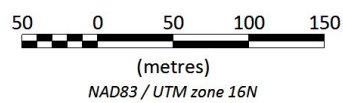
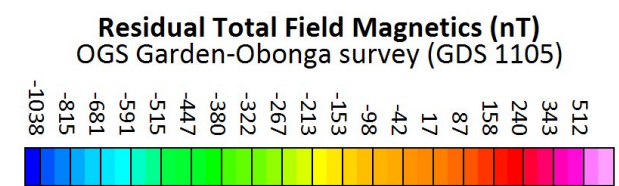
320500

321000

321500

**PAVEY ARK MINERALS INC.**  
 CHROME Cr-PGM PROPERTY  
 OBONGA LAKE AREA  
 NORTHWEST ONTARIO

**VLF CONDUCTORS**  
**TOTAL FIELD MAGNETICS (AIRBORNE)**



Topographic contour intervals: 1, 5 metres  
 (SRTM 1 arc-second grid, regrided to 5 metres)

Topography from Natural Resources Canada

