



G E O P H Y S I C A L S U R V E Y S A N D C O N S U L T I N G

**Report on Magnetic and HLEM Surveys
Grids 1, 4 and 7 - White Pine Resources /
Noront Resources / Golden Valley Mines Joint
Venture Project
McFaulds Lake Area (Ring of Fire), Ontario
White Pine Resources Inc.**



**Ref. 9-08
October, 2009**

**Report on
Magnetic and HLEM Surveys
Grids 1, 4 and 7 - White Pine Resources /
Noront Resources / Golden Valley Mines Joint
Venture Project
McFaulds Lake Area (Ring of Fire), Ontario**

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October, 2009

Summary

Magnetic and HLEM surveys were done on three grids in a claim block on the northern edge of the Ring of Fire, McFaulds Lake area, Ontario. The property is part of a White Pine Resources, Noront Resources and Golden Valley Mines joint venture project. The claim block is centered over but does not include the 5.01 VMS discovery of Metalex Ventures.

Total production was 19,357 m (magnetics) and 4,500 m (HLEM). The results have been presented on 12 maps at 1:5,000. Compilation maps, prepared earlier for White Pine Resources and Golden Valley Mines by JVX, are included.

Table of Contents

- 1. Background**
- 2. Personnel**
- 3. Instrumentation**
- 4. Surveys**
- 5. Presentation**
- 6. Conclusions**

Figures

- Figure 1 : Regional location map
- Figure 2 : Grid layout with VTEM TMI contours, grid 1
- Figure 3 : Grid layout with VTEM TMI contours, grid 4
- Figure 4 : Grid layout with VTEM TMI contours, grid 7
- Figure 5 : Compilation, grid 1
- Figure 6 : Compilation, grid 4
- Figure 7 : Compilation, grid 7

Attachments

- Certificate of Qualifications
- Appendix 1 : Production, GPS control points, Instrumentation and Data Processing
- Appendix 2 : Weekly field production reports
- Appendix 3 : Map Images
- Instrument specification sheets

Maps

The results of the surveys are presented as plan maps at 1:5000. All maps show claim boundaries and claim numbers taken from the MNM claimmap3 website. A UTM grid (NAD83, Z16N) and latitude / longitude co-ordinates have been added. There are 12 maps. Maps types for each grid are

- total magnetic intensity contours
- HLEM offset profiles, 440 Hz
- HLEM offset profiles, 1760 Hz
- compilation

Images of all 12 maps are reproduced in appendix 3. Paper copies of all 12 maps are folded and bound with this report. The compilation maps are magnetic contour maps plus VTEM EM anomalies, VTEM BF26 contours and HLEM anomaly centers.

**Magnetic and HLEM Surveys
Grids 1, 4 and 7 - White Pine Resources / Noront Resources /
Golden Valley Mines Joint Venture Project
McFaulds Lake Area (Ring of Fire), Ontario
White Pine Resources Inc.**

Magnetic and horizontal loop electromagnetic (HLEM) surveys were done on 3 grids in the McFaulds Lake area (Ring of Fire), Ontario (figure 1). The grids are numbered 1, 4 and 7. The grids are within a block of 35 claims (4228239 to 4228273) registered to Golden Valley Mines. The claim block is part of a joint venture project of White Pine Resources, Noront Resources and Golden Valley Mines.

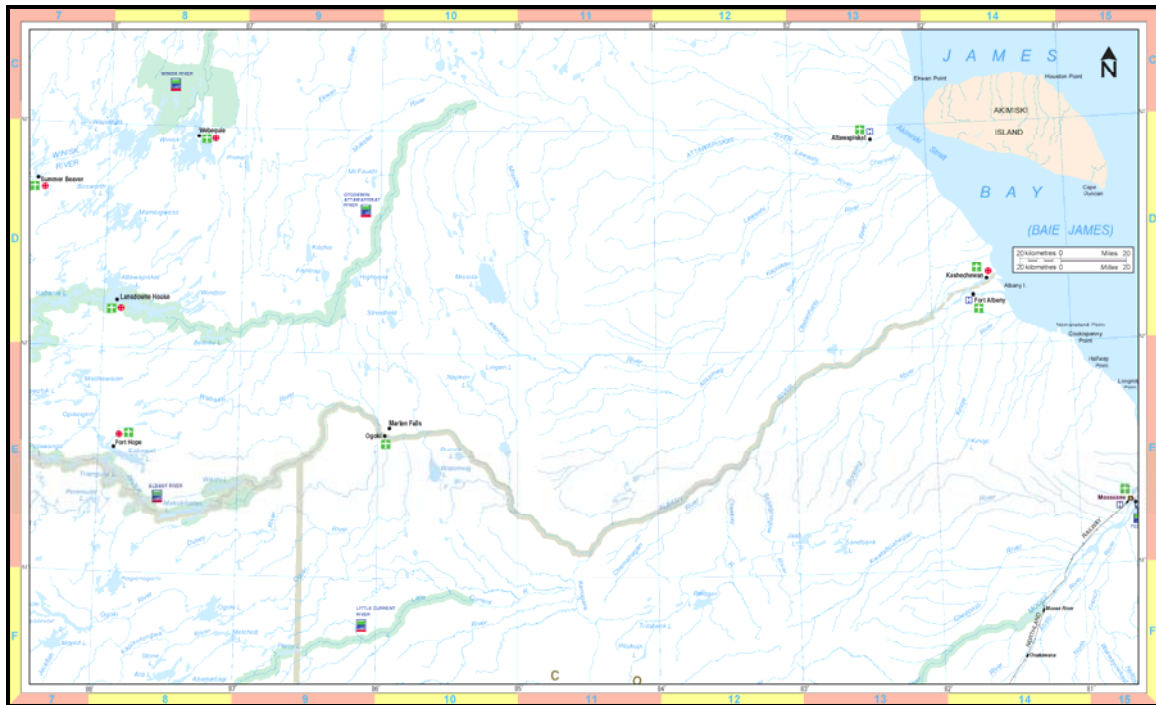


Figure 1. Regional location map

Method	Grid	Production	Claim
Magnetics	1	8551	4228240
	4	8751	4228252, 4228253
	7	2045	4228262
	Total	19,347 m	
HLEM	1	1950	4228240
	4	1350	4228252, 4228253
	7	1200	4228262
	Total	4,500 m	

Table 1. Production summary

The work was done for White Pine Resources Inc. by JVX Ltd. under JVX job number 9-08. The field work was done from February 15 to 19, 2009. Production by grid, method and claim is summarized in table 1. Total production was 19,357 m (magnetics) and 4,500 m (HLEM). For the magnetic surveys, production is the accumulated along track distance. For the HLEM surveys, production is measured from the stations of the first to last plot points (ideal grid). Grid layouts with claim fabric and VTEM magnetic contours are shown in figures 2, 3 and 4.

Production summaries, gps control points, instrumentation, data processing and archives are described in appendix 1. Weekly field production reports are reproduced in appendix 2. Images of all maps are in appendix 3. Instrument specification sheets are attached.

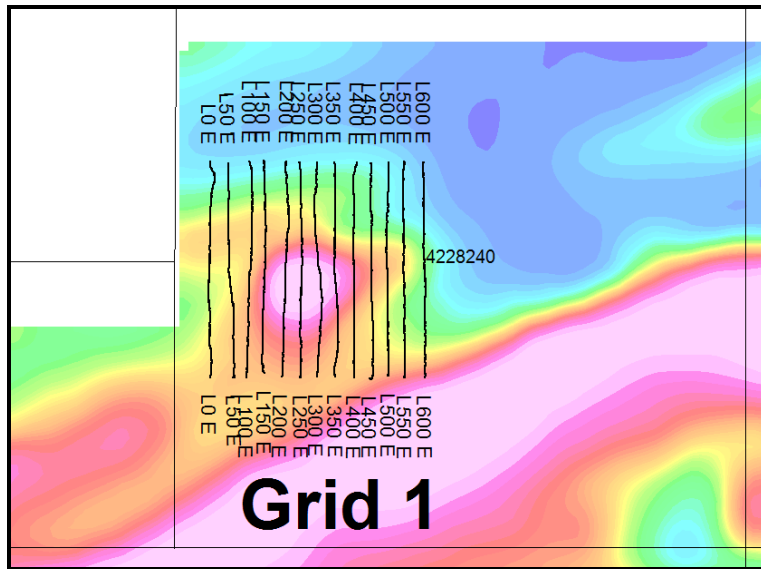


Figure 2. Grid layout with VTEM TMI contours, grid 1

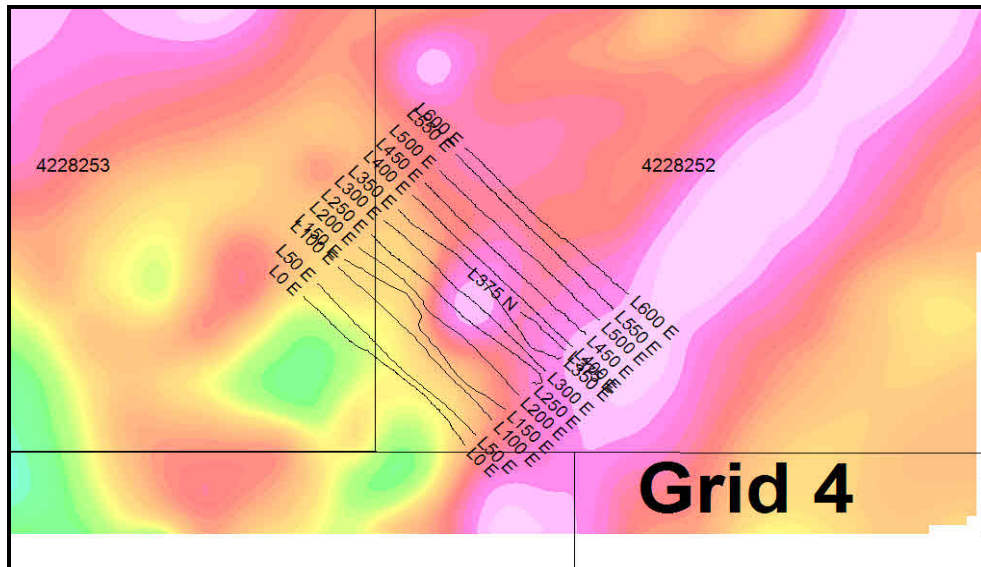


Figure 3. Grid layout with VTEM TMI contours, grid 4

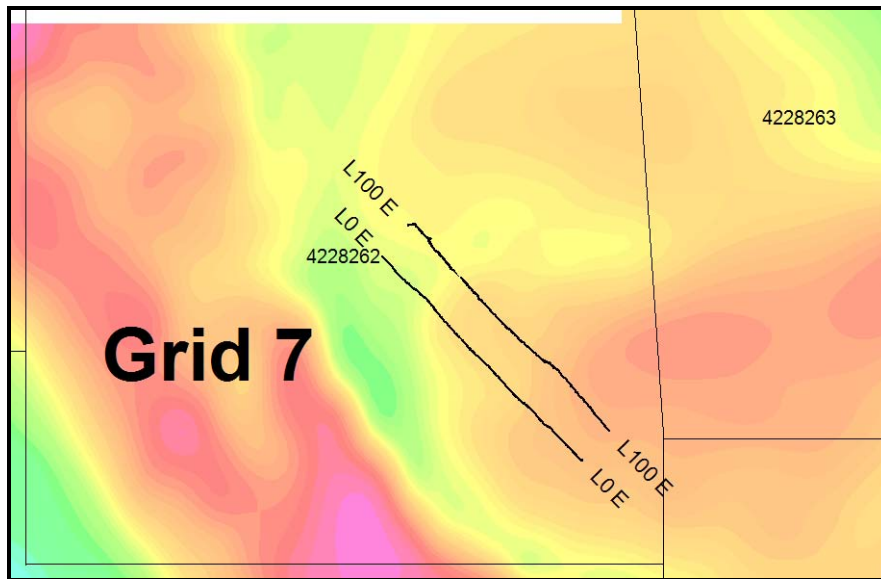


Figure 4. Grid layout with VTEM TMI contours, grid 7

1. Background

VTEM surveys were flown in 2008 over the Golden Valley Mines claim block - claims 4228239 to 4228273 (Geotech ref. 8148). The survey area was covered with two VTEM blocks - Bourdon Lake or N4 and N3. Total coverage was 929 line km on north/south lines at 100 m. Two claims partly surrounded by the Bourdon Lake block (4221876 and 4223252) are registered to Metalex Ventures and are the site of the 5.01 Zn-Cu-Pb-Ag discovery by the Metalex-WSR-Arctic Star joint venture.

The VTEM results from the Golden Valley Mines claim block were reviewed for WSR Gold and Golden Valley Mines by JVX. Findings were submitted in WSR(N3N4)Jan15.doc (JVX ref. 8-104). Eight conductor or conductor sets were identified as G1 to G8. Findings included suggestions for magnetic and HLEM surveys over conductors G1, G4 and G7.

The recommended ground surveys were done by JVX on February 15 to 19 (JVX ref. 9-08). The results were reviewed for White Pine Resources and Golden Valley Mines by JVX. Findings were submitted in WSR(N3N4)Feb25.doc (JVX ref. 9-08). Findings included suggestions for drill testing conductors G1, G4 and G7. Compilation maps from this February review are included with this report. Additional comments on VTEM conductors G5 and G6 were submitted in WSR(N3N4)April29.doc.

2. Personnel

Dennis Palos, senior geophysicist from JVX acted as party chief. He was responsible for all technical aspects of the field work. Rob Raby, JVX operator, assisted. Data processing was handled Lily Manoukian at the JVX office in Richmond Hill, Ontario.

3. Instrumentation

Magnetometer

Gem Systems GSM-19WV, SN 7052356 (mobile)
Gem Systems GSM-19, SN 7082476(base)

The GSM19WV magnetometer has a built in gps receiver and data are recorded with UTM coordinates. The GSM-19 is an earlier version of the same magnetometer without a built in gps receiver. Specification sheets are attached.

HLEM

Apex Parametrics MaxMin I-10, SN 10376

The Apex Parametrics MaxMin system measures the inphase and quadrature components of the secondary field at the receiver coil relative to the primary field as would be seen at the receiver coil in free space. Model I-10 operates at 440, 880, 1760 and 3520 Hz. Operation at two or three of these audio frequencies is normal. Specification sheets are attached.

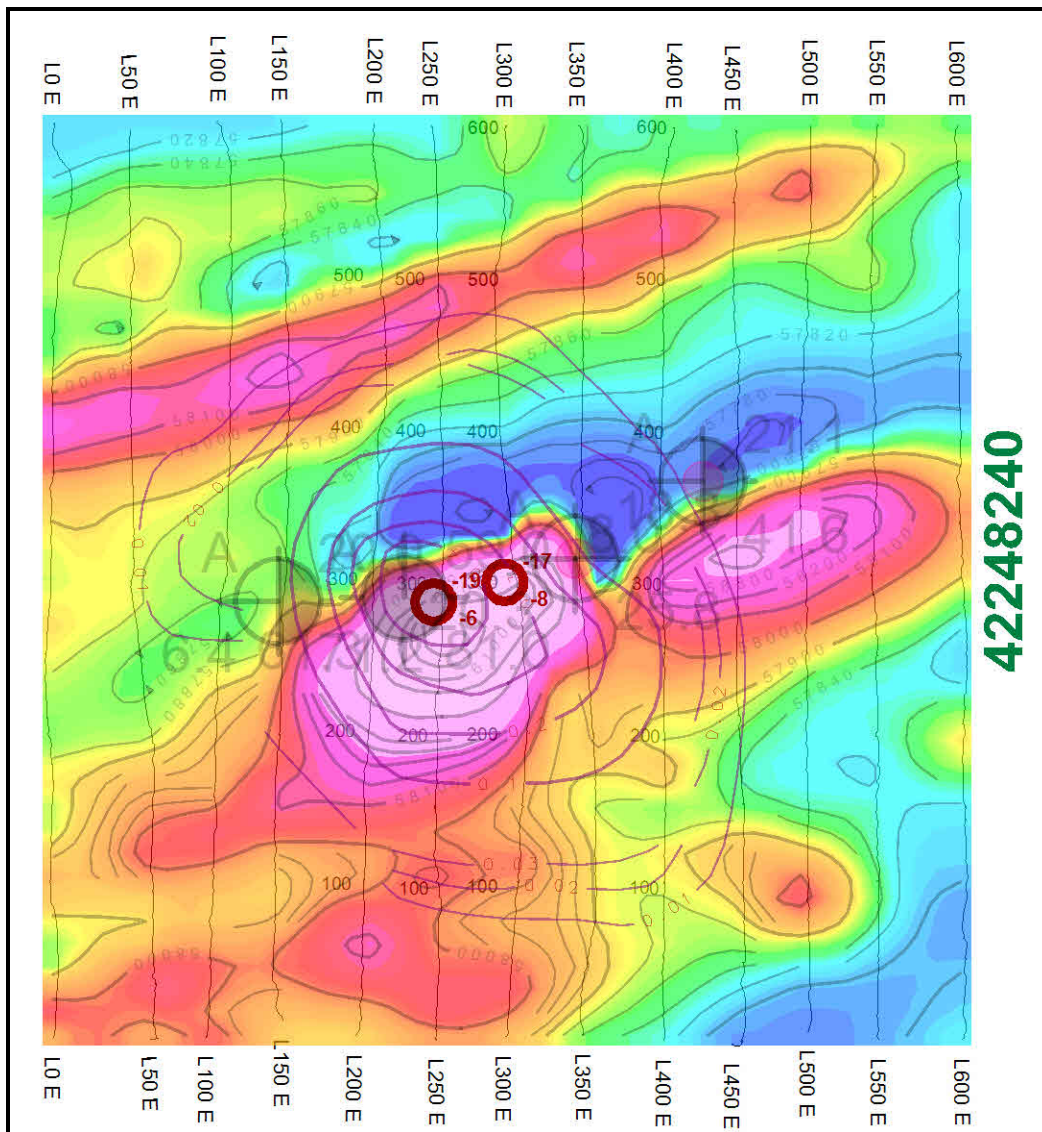


Figure 5. Compilation, grid 1

4. Surveys

For most lines, total magnetic intensity readings were taken every 2 seconds as the operator walked over a pre-programmed grid as directed by the magnetometer. 2 seconds translates to an average sampling of 0.9 m along track. For lines 50E to 200E of grid 4, the average sampling distance was 9.3 m. GPS coordinates are automatically recorded with each TMI reading. Line/stations are not recorded. The magnetometer base station was set to read TMI values every 20 seconds.

HLEM readings were made at 440 and 1760 Hz with a 150 m coil separation. The sampling interval was 25 m.

The UTM coordinates of start and end points of all lines surveyed with HLEM are taken and recorded with a hand held gps receiver. These gps derived UTM coordinates are used to draw interpolated grids that are used to register the HLEM results. The line/station and UTM coordinates of GPS control points are listed in appendix 1. UTM coordinates are NAD83, Z16N.

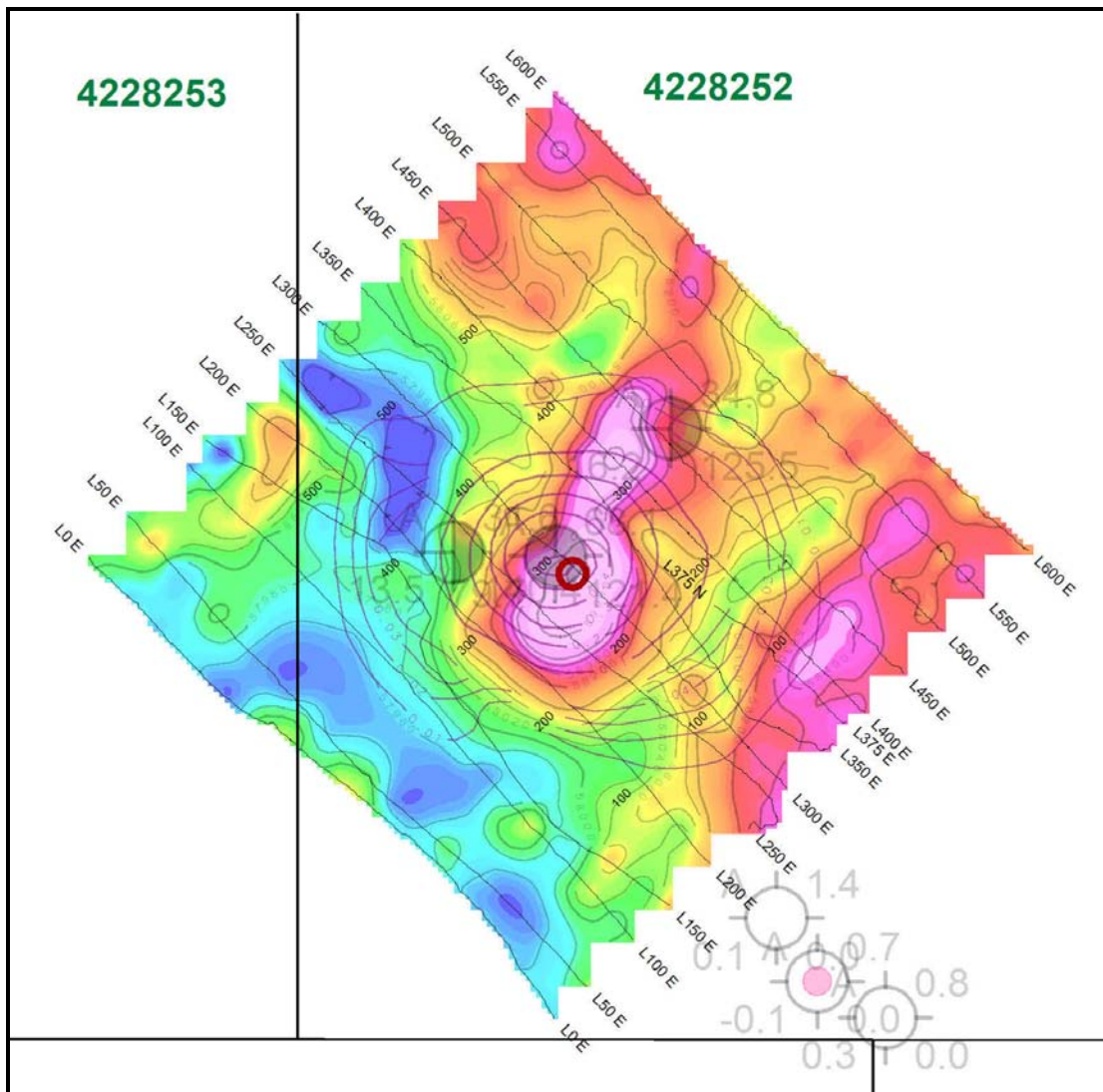


Figure 6. Compilation, grid 4

5. Presentation

The results of the surveys are presented as plan maps at 1:5000. All maps shown claim boundaries and claim numbers taken from the MNDM claimmap3 website. HLEM maps show the interpolated grid (HLEM lines only) in black and the trace of the magnetic survey in grey. A UTM grid (NAD83, Z16N) and latitude / longitude co-ordinates have been added. There are 12 maps. Maps types for each grid are

- total magnetic intensity contours
- HLEM offset profiles, 440 Hz
- HLEM offset profiles, 1760 Hz
- compilation

Images of all 12 maps are reproduced in appendix 3. Paper copies of all 12 maps are folded and bound with this report. Compilation maps are shown in figures 5, 6 and 7.

The compilation maps show magnetic contours plus VTEM EM anomalies, VTEM BF26 contours and HLEM anomaly centers. These maps were prepared for the earlier JVX review – see WSR(N3N4)Feb25.doc. Compilation maps are more fully described in the earlier JVX review.

Digital results (this report, raw and processed ASCII data files, Geosoft database and map files) are archived on CD.

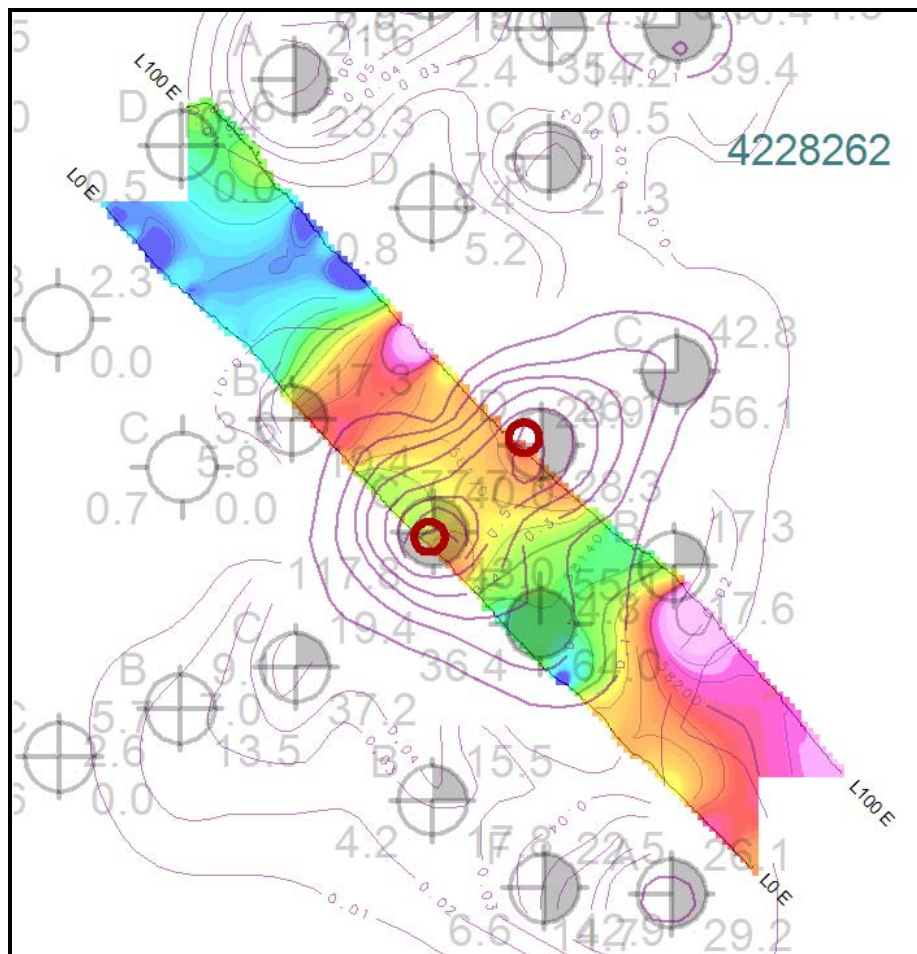


Figure 7. Compilation, grid 7

6. Conclusions

Magnetic and HLEM surveys were done on three grids on a claim block on the northern edge of the Ring of Fire, McFaulds Lake area, Ontario. The property is part of a White Pine Resources, Noront Resources and Golden Valley Mines joint venture project. The claim block is centered over but does not include the 5.01 VMS discovery of Metalex Ventures.

Total production was 19,347 m (magnetics) and 4,500 m (HLEM). The results have been presented on 12 maps at 1:5,000. Compilation maps, prepared earlier by JVX, are included.

Blaine Webster, B.Sc., P. Geo.
October 20, 2009

Certificate of Qualifications

Blaine Webster
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I, Blaine Webster, B. Sc., P. Geo., do hereby certify that

1. I graduated with a Bachelor of Science degree in Geophysics from the University of British Columbia in 1970.
2. I am a member of the Association of Professional Geoscientists of Ontario.
3. I have worked as a geophysicist for a total of 38 years since my graduation from university and have been involved in minerals exploration for base, precious and noble metals and uranium throughout much of the world.
4. I am responsible for the overall preparation of this report. Most of the technical information in this report is derived from geophysical surveys conducted by JVX Ltd. for White Pine Resources Inc. and information provided by White Pine Resources Inc.



Blaine Webster, B. Sc., P. Geo.

Appendix 1 Production, GPS control points, Instrumentation and Data Processing

Magnetic and horizontal loop electromagnetic (HLEM) surveys were done on 3 grids in the McFaulds Lake area (Ring of Fire), Ontario. The grids are numbered 1, 4 and 7 and are all within a block of 35 claims (4228239 to 4228273) registered to Golden Valley Mines (figure 1). The claim block is part of a joint venture project of White Pine Resources, Noront Resources and Golden Valley Mines.

The work was done for White Pine Resources Inc. by JVX Ltd. under JVX job number 9-08. The field work was done from February 15 to 19, 2009. Production by grid and method is summarized in table 1. Total production was 19,357 m (magnetics – measured) and 4,500 m (HLEM). For the magnetic surveys, production is the accumulated along track distance. For the HLEM surveys, production is measured from the stations of the first to last plot points (ideal grid).

Method	Grid	Production	Table
Magnetics	1	8551	2
	4	8751	3
	7	2045	4
	Total	19,347 m	
HLEM	1	1950	5
	4	1350	5
	7	1200	5
	Total	4,500 m	

Table 1. Production Summary

Magnetic survey production is as measured along track and includes a short in-fill line (375E) on grid 4. Magnetic survey grids were laid out as a series of 600 m long lines. Idealized grid totals were 7800 m (grids 1 and 4) and 1500 m (grid 7). Idealized total magnetic survey production was 17,100 m.

Magnetic surveys were done in walking mode with total magnetic intensity readings taken every 2 seconds on all but lines 50E to 200E of grid 4. The 2 seconds has translated to an average along track sampling distance of 0.9 m. On lines 50E to 200E of grid 4, an attempt was made to take readings every 12.5 m. The average along track sampling distance for these 4 lines was 9.3 m.

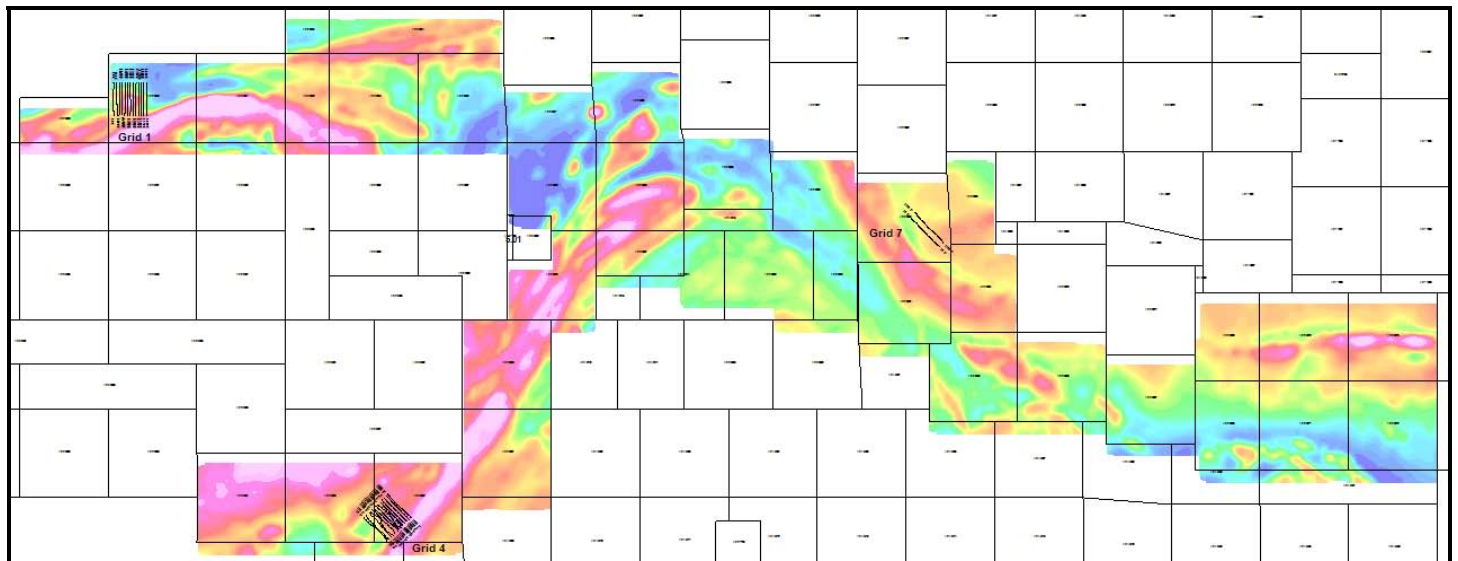


Figure 1. Claim fabric + VTEM TMI contours + grid layouts, Grids 1, 4 and 7

Appendix 1 : Production, GPS Control Points, Instrumentation and Data Processing

Tables 2 to 4 show the UTM coordinates of line end points. They are listed in columns of minimum and maximum values. For grids 4 and 7 and some end points in grid 1, minimum or maximum UTM e and UTM n values are not for the same end points – they are the easting from one end point and the northing from the other end point.

Line	Minimum		Maximum		# points	distance	date
	UTM e	UTM n	UTM e	UTM n			
0E	515095	5903698	515112	5904302	736	652	February 15, 2009
50E	515151	5903697	515170	5904299	500	636	February 15, 2009
100E	515201	5903698	515219	5904303	594	640	February 15, 2009
150E	515245	5903710	515257	5904305	612	643	February 15, 2009
200E	515300	5903699	515321	5904302	672	654	February 15, 2009
250E	515350	5903697	515359	5904301	606	657	February 15, 2009
300E	515392	5903699	515415	5904301	686	652	February 15, 2009
350E	515448	5903700	515460	5904300	712	654	February 15, 2009
400E	515501	5903696	515512	5904299	840	675	February 15, 2009
450E	515549	5903693	515559	5904298	884	718	February 15, 2009
500E	515594	5903702	515602	5904301	712	647	February 16, 2009
550E	515641	5903697	515648	5904302	656	664	February 16, 2009
600E	515697	5903697	515706	5904301	784	659	February 16, 2009
				Totals	8994	8,551 m	

Table 2. Magnetics, Grid 1

Line	Minimum		Maximum		# points	distance	date
	UTM e	UTM n	UTM e	UTM n			
0	519614	5896039	520039	5896460	481	643	February 18, 2009
50E	519650	5896068	520069	5896499	104	606	February 17, 2009
100E	519705	5896110	520112	5896546	55	600	February 17, 2009
150E	519721	5896142	520145	5896568	52	633	February 17, 2009
200E	519758	5896180	520182	5896602	53	603	February 17, 2009
250E	519790	5896212	520244	5896640	754	725	February 17, 2009
300E	519825	5896250	520252	5896677	604	673	February 17, 2009
350E	519863	5896284	520295	5896708	626	687	February 17, 2009
375E	520186	5896309	520307	5896418	146	174	February 17, 2009
400E	519901	5896319	520324	5896748	916	705	February 17, 2009
450E	519934	5896354	520359	5896783	740	697	February 17, 2009
500E	519971	5896394	520394	5896822	660	675	February 17, 2009
550E	520014	5896426	520432	5896868	728	680	February 18, 2009
600E	520039	5896467	520473	5896884	622	650	February 18, 2009
				Totals	6541	8,751 m	

Table 3. Magnetics, Grid 4

Line	Minimum		Maximum		# points	Distance	date
	UTM e	UTM n	UTM e	UTM n			
0E	529481	5901332	530009	5901873	1340	876	February 19, 2009
100E	529548	5901410	530081	5901958	2088	1169	February 19, 2009
				Totals	3428	2,045 m	

Table 4. Magnetics, Grid 7

Appendix 1 : Production, GPS Control Points, Instrumentation and Data Processing

Grid	Line	HLEM-start	HLEM-end	separation	date
1	200E	75N	525N	450	February 16, 2009
	250E	75N	525N	450	February 16, 2009
	300E	75N	600N	525	February 16, 2009
	400E	75N	600N	525	February 16, 2009
4	200E	75N	525N	450	February 18, 2009
	300E	75N	525N	450	February 18, 2009
	400E	75N	525N	450	February 18, 2009
7	0	75N	675N	600	February 19, 2009
	100E	75N	675N	600	February 19, 2009
				Total	4,500 m

Table 5. HLEM, Grids 1, 4 and 7

Grids

The grids are within a claim block on the northern edge of the Ring of Fire, McFaulds Lake area, Ontario. The claim block is in the James Bay lowlands and centered some 350 km north of Nakina. The claim block includes 35 claims (4228239 to 4228273) registered to Golden Valley Mines. The claim block is centered around but does not include the 5.01 VMS discovery of Metalex Ventures Ltd.

The 3 grids, numbered 1, 4 and 7, were laid out over VTEM conductors. Grid 1 is within claim 4228240. Grid 4 is largely within claim 4228252. Grid 7 is within claim 4228262.

Each grid consists of a core few lines with established pickets (for HLEM) centered on a larger set of reconnaissance lines (for magnetics). On the reconnaissance lines, the operator was directed by a gps system built into the magnetometer. There are no pickets and stations were not recorded. On those lines with HLEM, gps control points are collected at line ends. These gps control points are used to draw the interpolated grid (HLEM surveys only). GPS control points as NAD83, Z16N UTM easting and northing are listed in table 6.

Grid	Line	Station	UTM e	UTM n	
1	200E	0	515300	5903699	
		600N	515313	5904302	
	250E	0	515354	5903697	
		600N	515350	5904301	
	300E	0	515399	5903699	
		600N	515400	5904300	
	400E	0	515505	5903696	
		600N	515511	5904299	
4	200E	0	520182	5896180	
		600N	519758	5896602	
	300E	0	520252	5896250	
		600N	519825	5896677	
	400E	0	520324	5896319	
		600N	519901	5896747	
	7	0	0	530008	5901335
			750N	529481	5901873
100		0	530081	5901411	
		750N	529563	5901958	

Table 6. GPS control points

Instrumentation

Magnetometer

Gem Systems GSM-19WV, SN 7052356 (mobile)

Gem Systems GSM-19, SN 7082476(base)

The GSM19WV magnetometer/VLF receiver has a built in gps receiver and data are recorded with UTM coordinates. GSM-19WV stands for walking Overhauser magnetometer with VLF option. The GSM-19 is an earlier version of the same magnetometer without a built in gps receiver. Specification sheets are attached.

HLEM

Apex Parametrics MaxMin I-10, SN 10376

The Apex Parametrics MaxMin system measures the inphase and quadrature components of the secondary field at the receiver coil relative to the primary field as would be seen at the receiver coil in free space. Model I-10 operates at 440, 880, 1760 and 3520 Hz. Operation at two or three audio frequencies with coil separations of 100 or 150 m is normal. Specification sheets are attached.

The MMC (MaxMin Computer) acts as a data recorder and calculates the electrical conductivity for a homogeneous half-space at each operating frequency. The calculation is based on sounding curves stored in the MMC. The quadrature response is used to determine conductivity. The inphase (or amplitude) response is used to decide on the right conductivity of the two that fits the quadrature response. Output is in Siemens/m. The inverse of conductivity in Siemens/m is resistivity in ohm.m.

The MMCPRO program calculates a 'best fit' conductivity by matching measured to theoretical sounding curves using all frequencies. The goodness of fit is reported as 'error'.

Data Processing and Presentation

Grids

Magnetic measurements were made on a reconnaissance grid programmed into the receiver. The receiver directs the operator over the grid and records UTM coordinates at each reading (every 0.9 or 9.3 m on average) from a built in gps receiver. Magnetic survey grids are made up of the trace of these readings. The correct line numbers are assigned during processing. Stations are not available.

Lines or line segments on which HLEM surveys were done are interpolated from gps control points at line ends. Line/stations of the HLEM surveys are taken from the interpolated grid using a lookup procedure.

Base Maps

Topographic base maps have been downloaded from the Ontario MNDM claimap3 website. These maps show claim outlines and numbers. In this area, claims from claimap3 are about 100 m west and 275 m north of their true position. Claim numbers have been added to the base maps.

Magnetics

At the end of every survey day, data from the mobile and base station magnetometers are dumped to a PC. Output from both magnetometers is text files labelled by date, grid and 'raw' or 'base'. Data dumps for the raw (mobile) unit show UTM e, UTM n, elevation, TMI (nT) and time (decimal hours). Data dumps for the base unit contain time and TMI. Subsequent processing steps are

1. Apply base station corrections to the mobile data. Corrected TMI values are appended to the 'raw' files and renamed as 'cor' files. Bad data or repeat values are removed.

Appendix 1 : Production, GPS Control Points, Instrumentation and Data Processing

2. Move the contents of the files containing the corrected TMI values into a Geosoft database (*.gdb).
There are 3 magnetics databases – one for each grid.
3. In the databases, assign line numbers.

Colour + line contour maps of the corrected total magnetic intensity are generated from the database using Geosoft Montaj. Random gridding with a 15 m grid cell has been used.

HLEM

The hexadecimal data files from the field (.dat extension) are collected and organized.
Processing steps are

1. Generate the text file equivalent of the raw data dump (.ref extension), using the Max-Min DOS utility MMCREP.COM. This file type is used for reference or diagnostic purposes. Files include a header, slopes, line, station, tilt, correction and the real (inphase) and imaginary (quadrature or out-of-phase) components in percent at all frequencies used and a half space conductivity estimate at each frequency.
2. Where appropriate, apply slope corrections using the Max-Min DOS utility MMFIX1.com to the .dat files. Output is .dat files (revised) and .ref files (indistinguishable from the raw .ref file).
3. Generate Geosoft type .xyz files using the Max-Min DOS utility MMCPR0.COM. This is a standard row/column text file of the slope corrected data plus a 'best fit' conductivity.
4. Move the contents of the .xyz files into a Geosoft database. Add UTM coordinates (lookup by line/station from the interpolated station coordinates). Offset profile maps at 440 and 1760 Hz are generated from the database using Geosoft Oasis Montaj.

Archives

The results of the survey are archived on CD. Included on the CD is the Oasis Montaj viewer.
File types include

- ASCII *.txt or ASCII *.dmp – original instrument dumps
- ASCII *.ref and ASCII*.xyz – HLEM data
- *.gdb - Geosoft databases (gps, magnetics, HLEM)
- *.map – Geosoft format maps included with this report
- MS WORD *.doc – report

Appendix 2
Weekly Field Production Reports

JVX Ltd.
Weekly Field Production Report

Project No 9-08	Client: White Pine	Area: Oval Lake	Week Ending: Feb 14
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Day	Line	From	To	Length
Sun 8				
Mon 9				
Tue 10				
Wed 11	TL loaded up the equipment in Richmond Hill, drove to Sudbury, and loaded up some more equipment.			
Thu 12	TL drove from Sudbury to Thunder Bay			
Fri 13	DP mob from Richmond Hill to Thunder Bay. DP and RR, (with TL driving) mob from Thunder Bay to Geraldton.			
Sat 14	Mob from Geraldton to Nakina. TL started to drive back to Sudbury. DP and RR flew in to Oval Lake			

Production: X Half Day Production .5X Demobilization: M Standby: S Logistics&Preparation: L
Office: O

Name	Position	S	M	T	W	T	F	S
Dennis Palos	Geophysicist						M	M
Rob Raby	Operator						M	M

Appendix 2 : Weekly Field Production Reports

JVX Ltd.
Weekly Field Production Report

Project No 9-08	Client: White Pine	Area: Oval Lake	Week Ending: Feb 21
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Day		Line Mag HLEM	From	To	Length
Sun 15	<p>GRID 1 Walking Mag and brush out lines using GPS and compass.</p> <p>We numbered lines 0E, 50E, 100E etc starting from the east. We numbered the southern station 0N.</p> <p>There was a significant magnetic declination anomaly on L300E.</p> <p>We plotted the data in DOS. There are two anomalies.</p> <p>Mag data are in continuous mode. They will have to be averaged with a moving average to resample at 12.5.</p> <p>File Feb15.xyz can be plotted.</p>	0E	0N	600N	600
		50E	600N	0N	600
		100E	0N	600N	600
		150E	600N	0N	600
		200E	0N	600N	600
		250E	600N	0N	600
		300E	0N	600N	600
		350E	600	0N	600
		400E	0N	600N	600
		450E	600N	0N	600
Mon 16	<p>GRID 1. Complete the mag and do all of the HLEM. We had 40 minutes to spare so I showed Rob how to read the MaxMin and he read L250E, a line that was not on our work order, but was on our way back to the chopper pad. It was found, Rob found a nice anomaly. Please note that HLEM production is in BOLDFACE.</p> <p>We did not have reliable pickets every 25m., so use used the MaxMin cable to chain 150m from clip to clip. After the survey, we measured it and discovered it is 155.3 m long. We will have to make a correction.</p> <p>The Grid 1 mag map is included as a JPG file for a quick look.</p>	600E	600N	0N	600
		550E	0N	600N	600
		500E	600N	0N	600
		400E	75N	600N	600
		300E	600N	75N	600
		200E	75N	525N	600
		250E	525N	75N	600
Tue 17	<p>GRID4. We tried mag with readings every 12.5 metres on L50E, L100E, L150E, and L200E. The navigation sent us all over the place. Then we switched back to walking mag for the rest of the lines.</p> <p>I might have read the compass wrong.</p> <p>Anyway, Lines 200E, 300E, and 400E are straight and are ready for MaxMin tomorrow</p>	(125)			
		50E	600N	0N	600
		100E	0N	600N	600
		150E	600N	0N	600
		200E	0N	600N	600
		(Walk)			
		250E	600N	0N	600
		300E	0N	600N	600
		350E	600N	0N	600
		400E	0N	600	600
		450E	600N	0N	600
500E	0N	600N	600		

Appendix 2 : Weekly Field Production Reports

Day		Line Mag HLEM	From	To	Length
Wed 18	<p>GRID4. We completed the mag and MaxMin.</p> <p>We also did some random mag readings about 25m west of L400E, from baseline 0N to approx 150N. The purpose of this exercise was to fill in one of the blanks</p> <p>The main MaxMin anomaly is on L300E between 200N and 350N, (and a weaker anomaly from 275N to 525N, on 1760 only).</p>	550E 600E 0E 200E 300E 400E	0N 600N 0N 0N 600N 0N	600N 0N 600N 600N 0N 600N	
Thu 19	<p>GRID 7. The bush was tougher than the other grids. We had to actually do some line cutting, as opposed to brushing.</p> <p>The magnetic relief is weak (100 nT). The mag anomaly is north of the weak & spurious MaxMin anomaly.</p>	0E 100E 0E 100E	750N 0N 750N 0N	0N 750N 0N 750N	
Fri 20	Demobilize to Nakina, fly on Nakina Air.				
Sat 21	Demobilize from Nakina to Thunder Bay, then on Sunday morning Dennis flew to YYZ. Meanwhile, Ted drove from Sudbury to Nakina to pick up the gear, and drove back on Sunday.				

Production: X Demobilization: M Standby: S Logistics&Preparation: L Office:O

Name	Position	S	M	T	W	T	F	S
Dennis Palos	Geophysicist	X	X	X	X	X	M	M
Rob Raby	Operator	X	X	X	X	X	M	M

Appendix 3 - Map Images

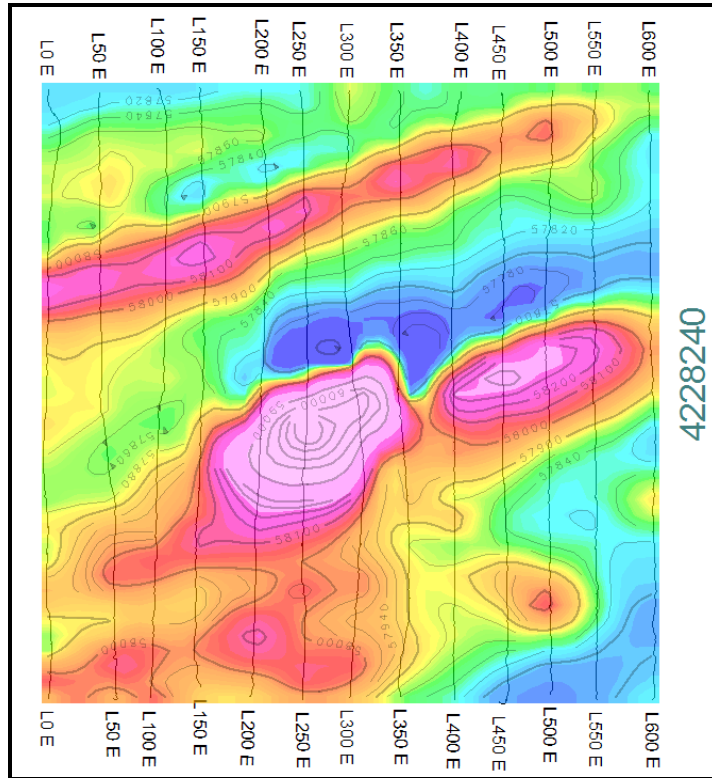


Figure 1. Grid 1, total magnetic intensity contours

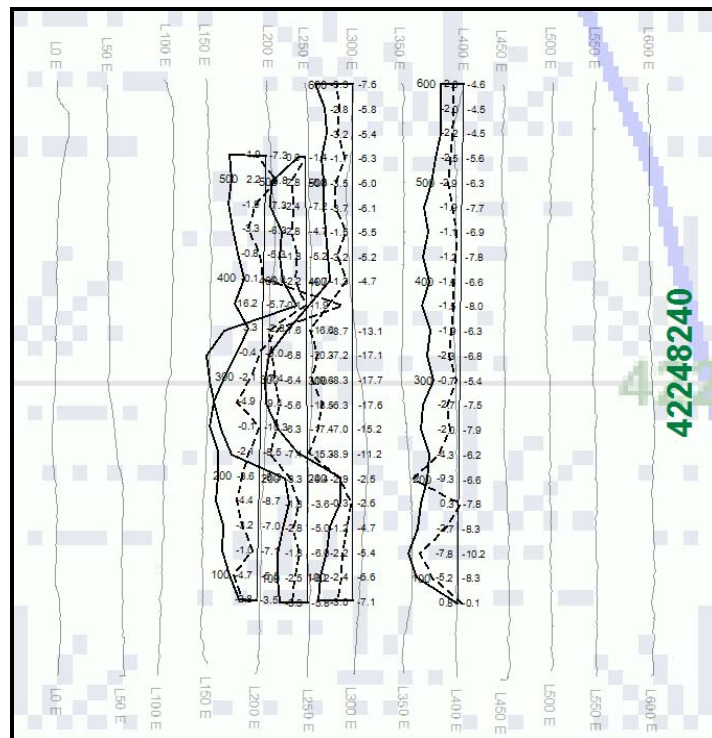


Figure 2. Grid 1, HLEM 440 Hz offset profiles

Appendix 3 : Map Images

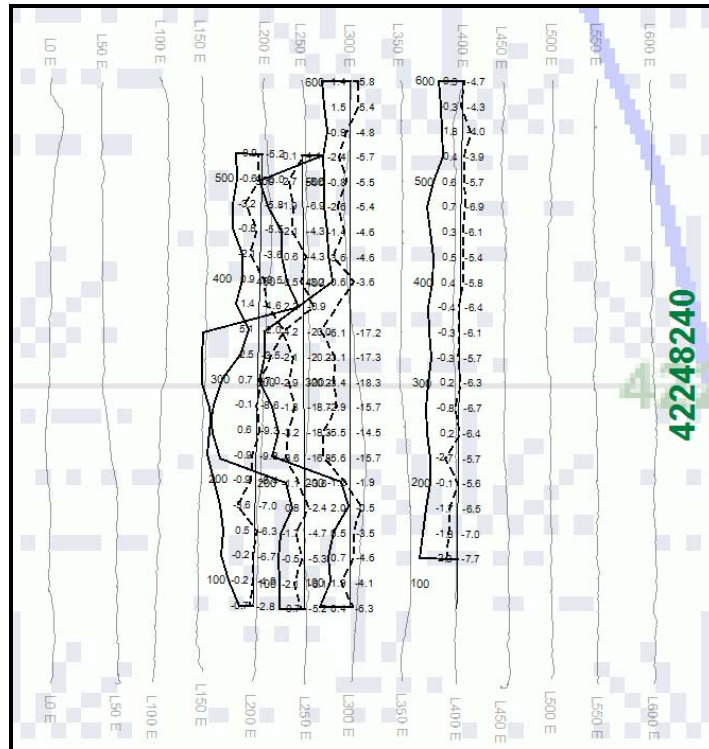


Figure 3. Grid 1, HLEM 1760 Hz offset profiles

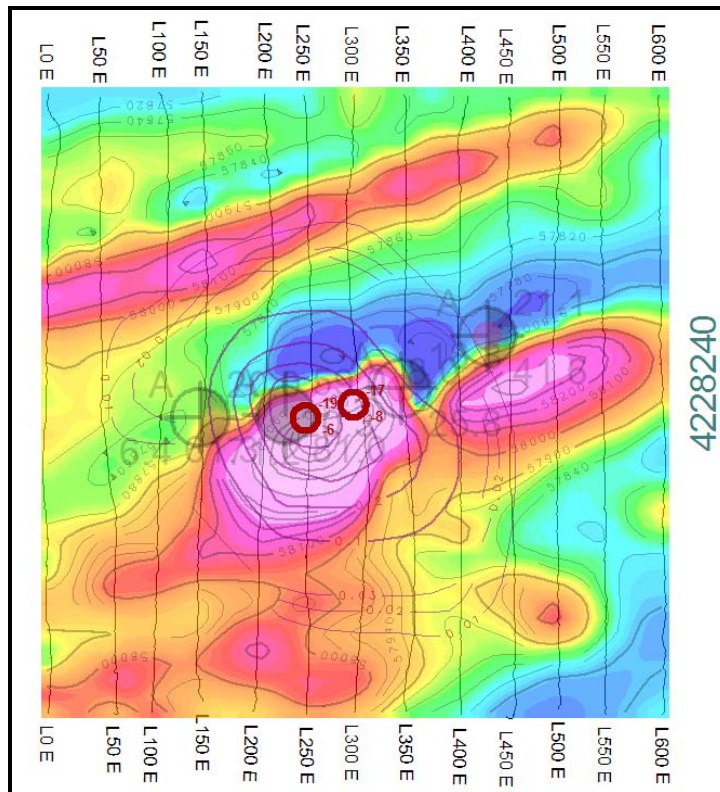
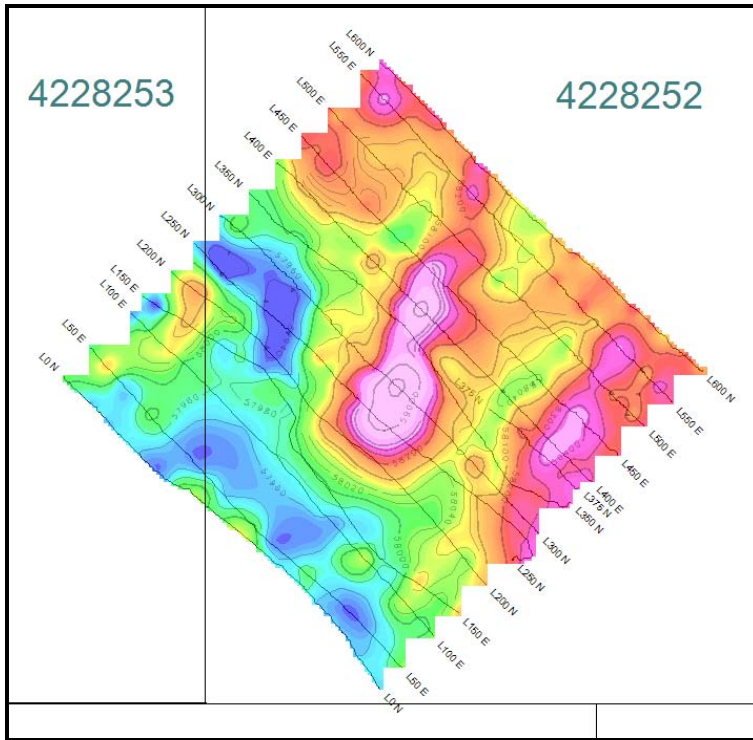


Figure 4. Grid 1, compilation

Appendix 3 : Map Images



Appendix 3 : Map Images

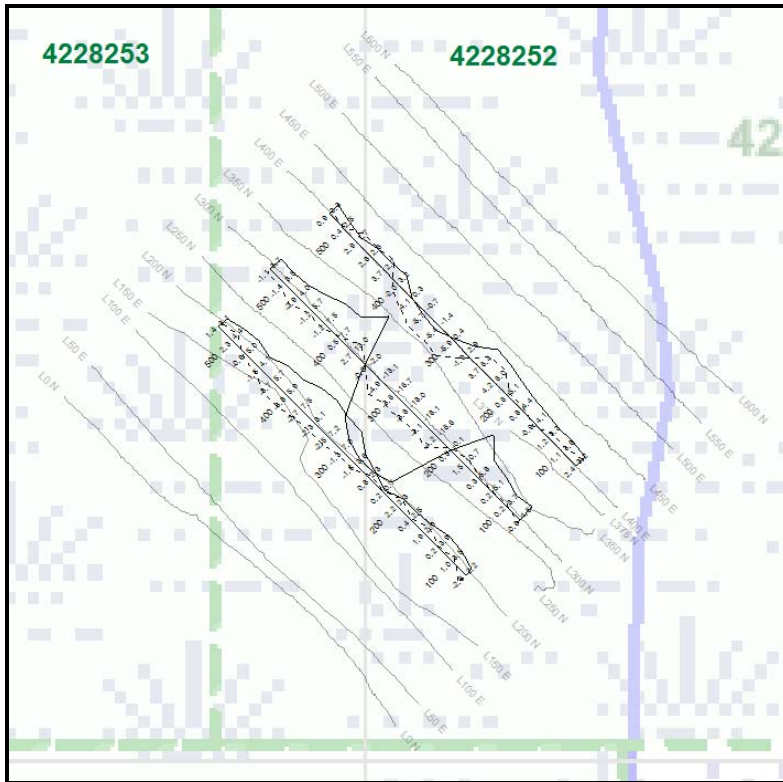


Figure 7. Grid 4, HLEM 1760 Hz offset profiles

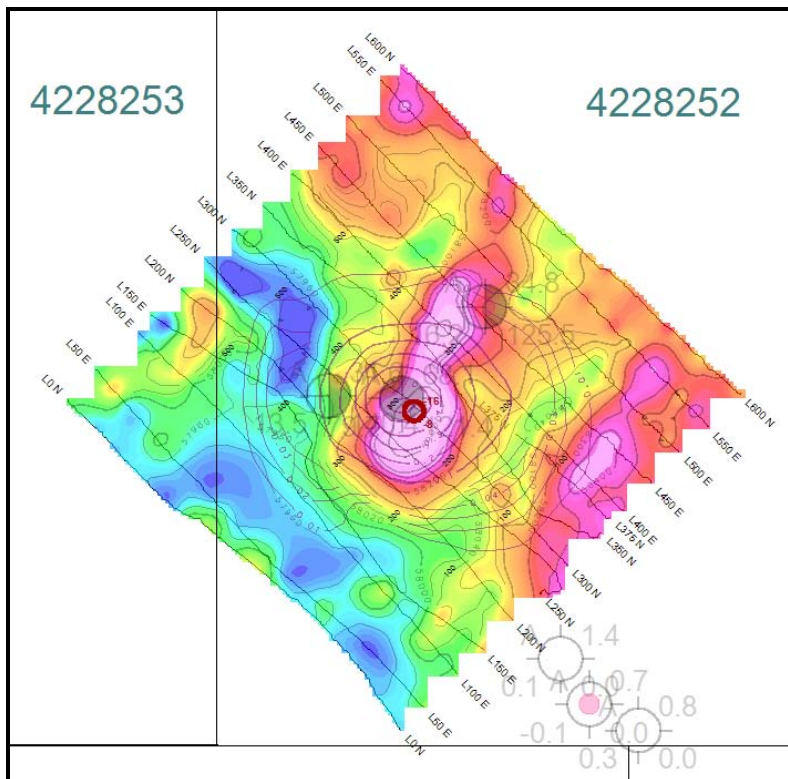


Figure 8. Grid 4, compilation

Appendix 3 : Map Images

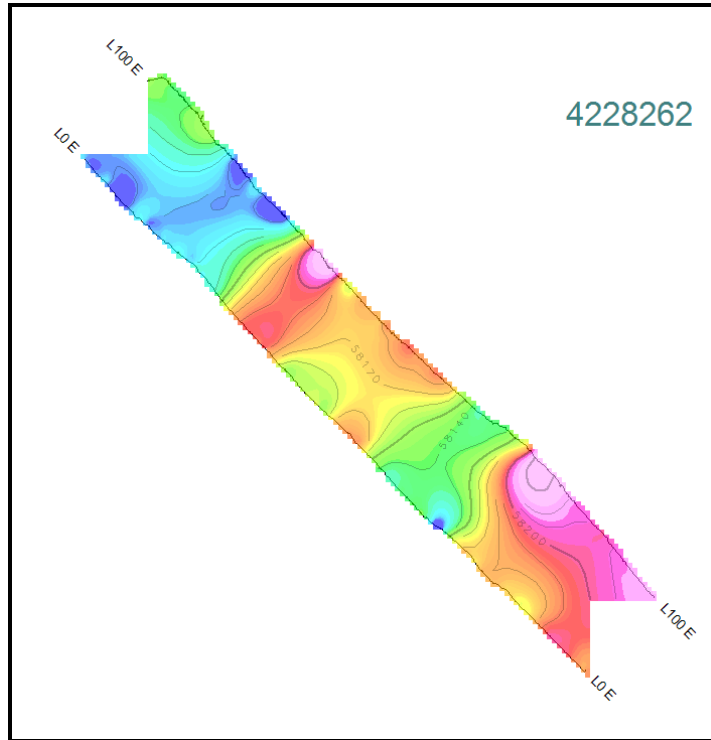


Figure 9. Grid 7, total magnetic intensity

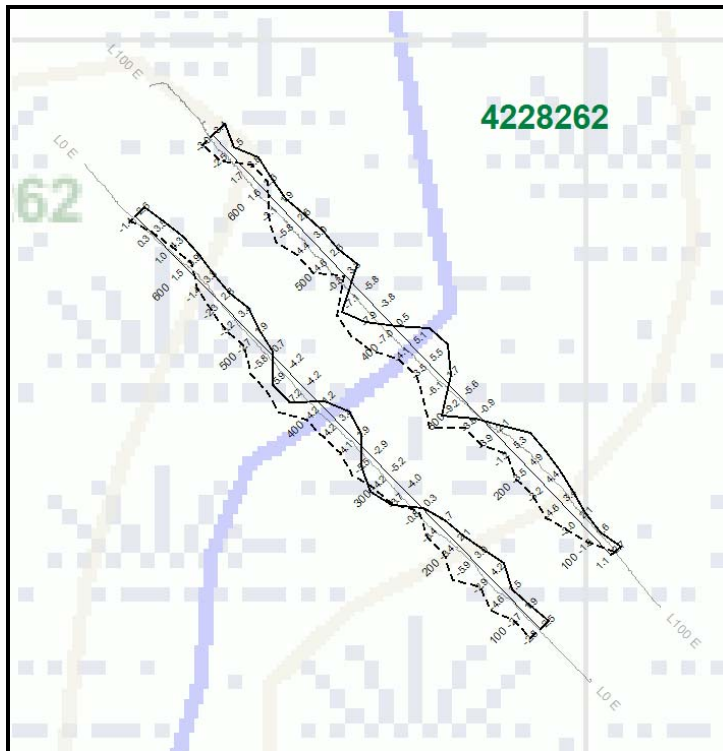


Figure 10. Grid 7, HLEM 440 Hz offset profiles

Appendix 3 : Map Images

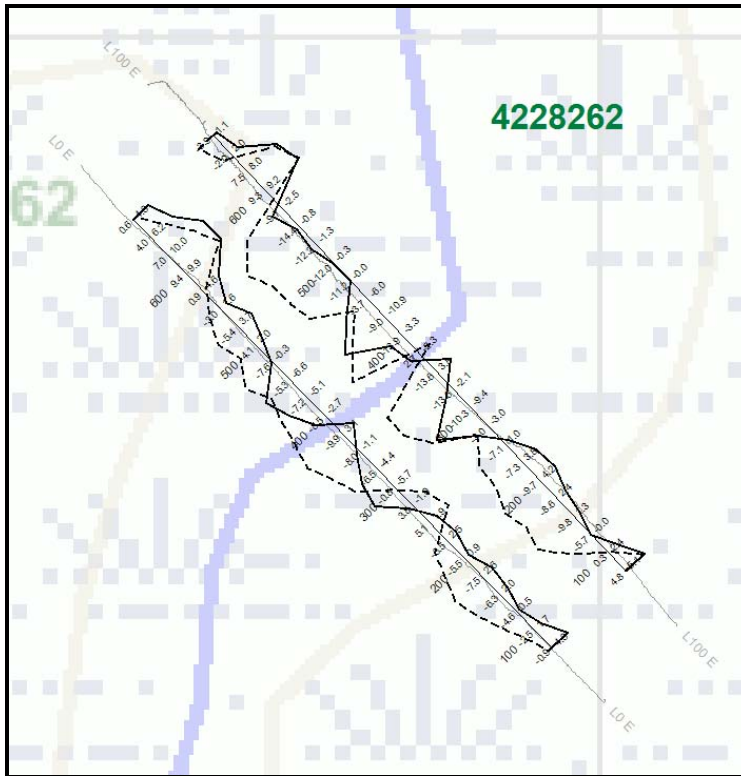


Figure 11. Grid 7, HLEM 1760 Hz offset profiles

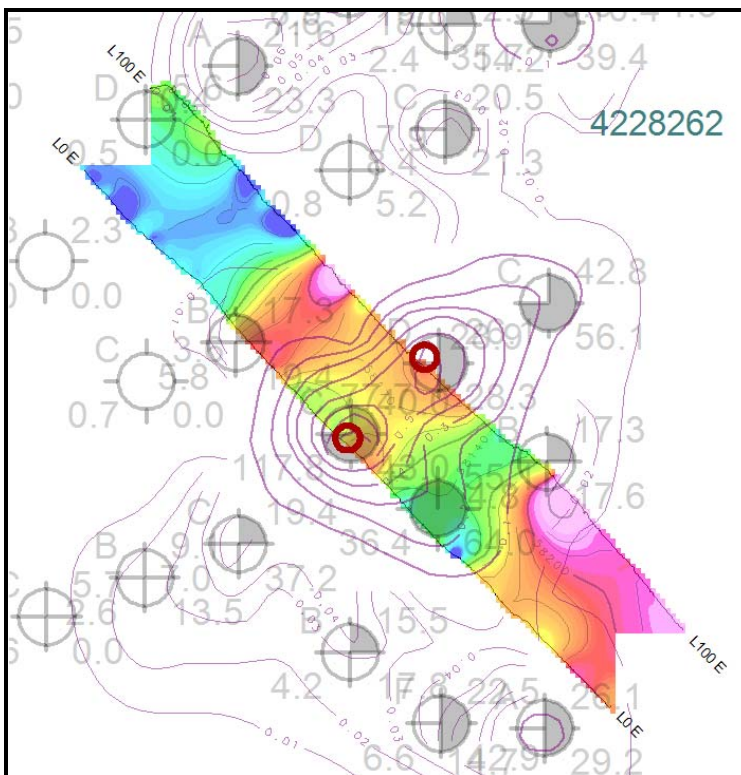
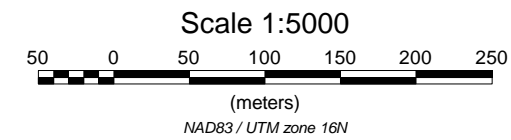
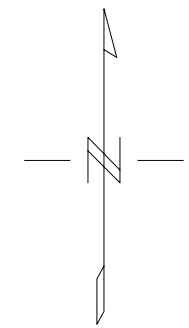
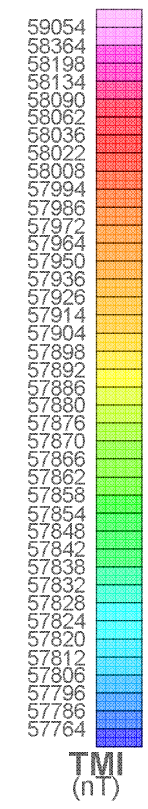
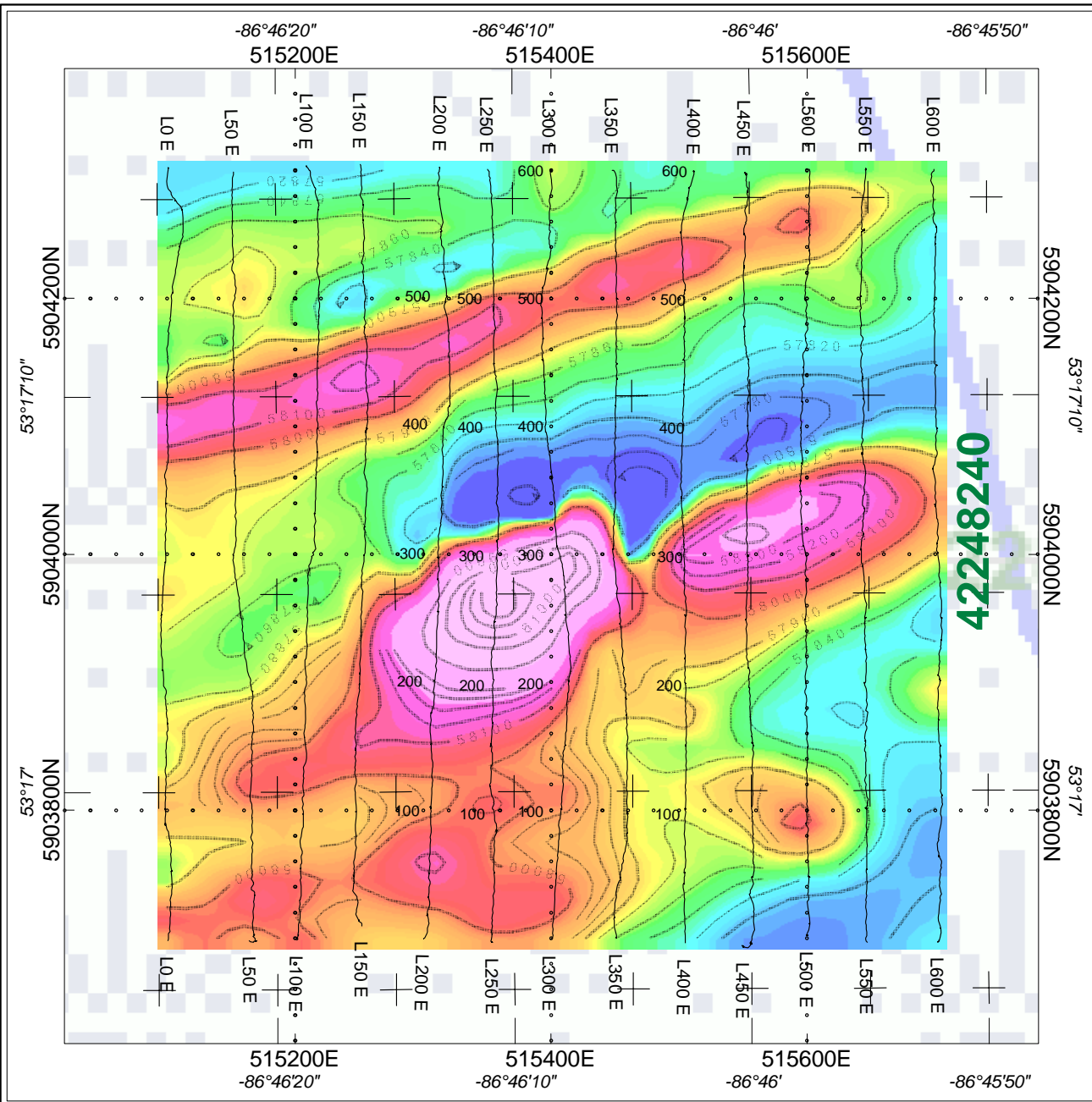


Figure 12. Grid 7, compilation

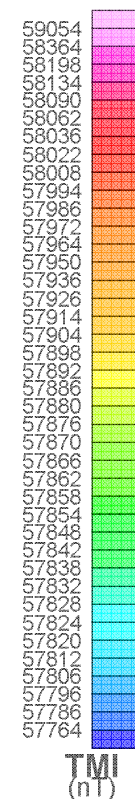
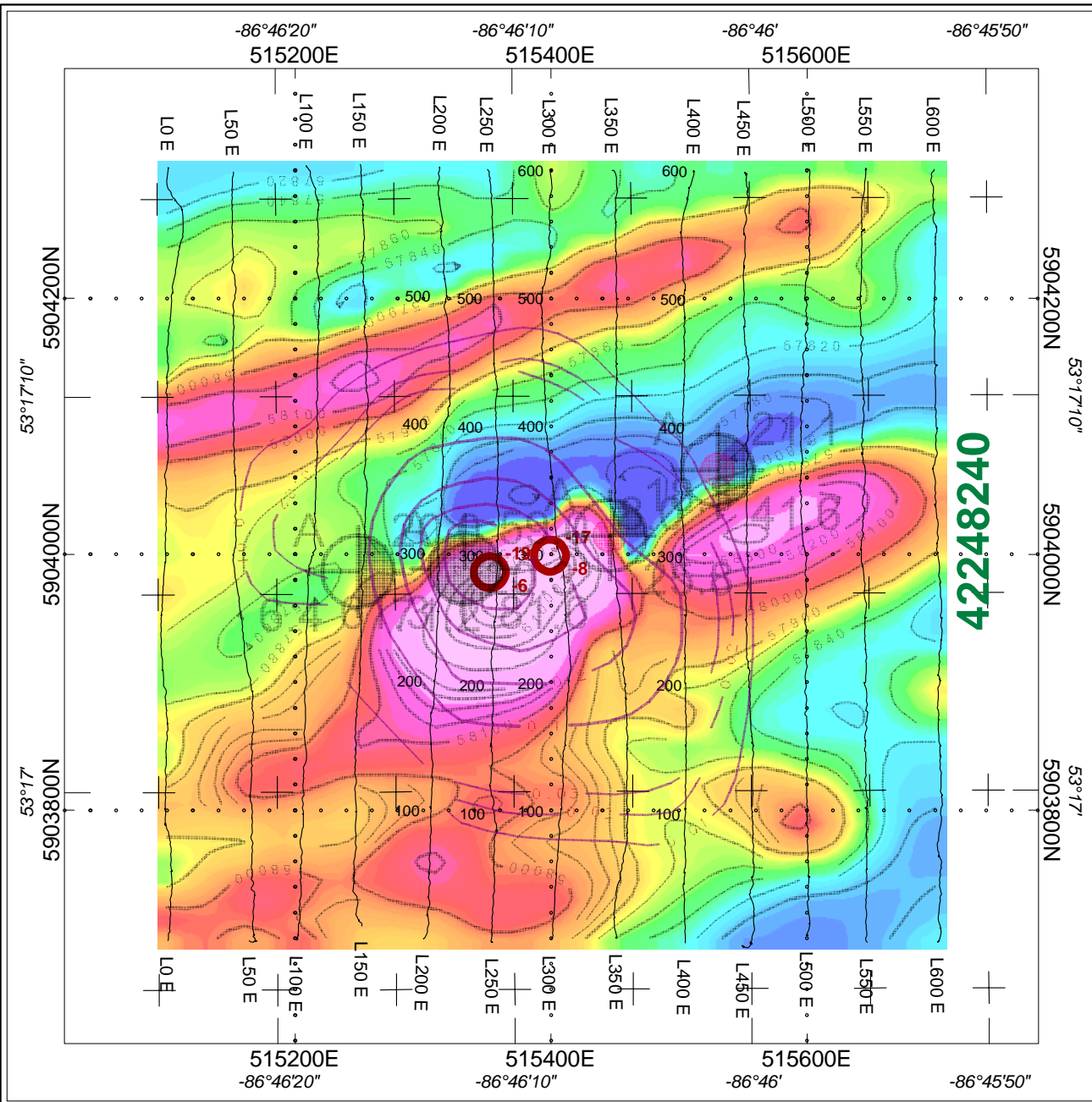


WHITE PINE RESOURCES INC.

**GRID 1
MCFaulds LAKE AREA, ONTARIO
NTS: 43 E/07**

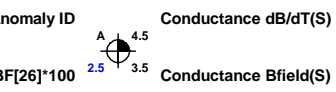
TOTAL MAGNETIC INTENSITY
Contour Interval: 2, 20, 100 & 500 nT
Instrument: GEM GSM-19WV
Topographic base map copyright: Queen's Printer for Ontario

JVX LTD., ref. no. 9-08, February, 2009



EM Anomaly Symbols

- Conductance < 5.0 siemens ○
- 5.0 < Conductance < 10.0 ⊕
- 10.0 < Conductance < 20.0 ⊗
- 20.0 < Conductance < 35.0 ◐
- 35.0 < Conductance < 50.0 ◑
- 50.0 < Conductance ●

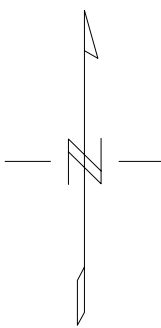
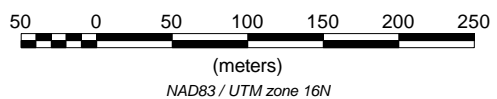


"thin" type of Anomaly ●

HLEM Anomaly



Scale 1:5000



WHITE PINE RESOURCES INC.

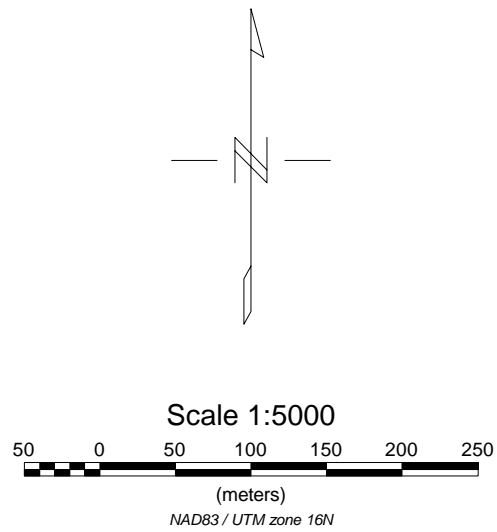
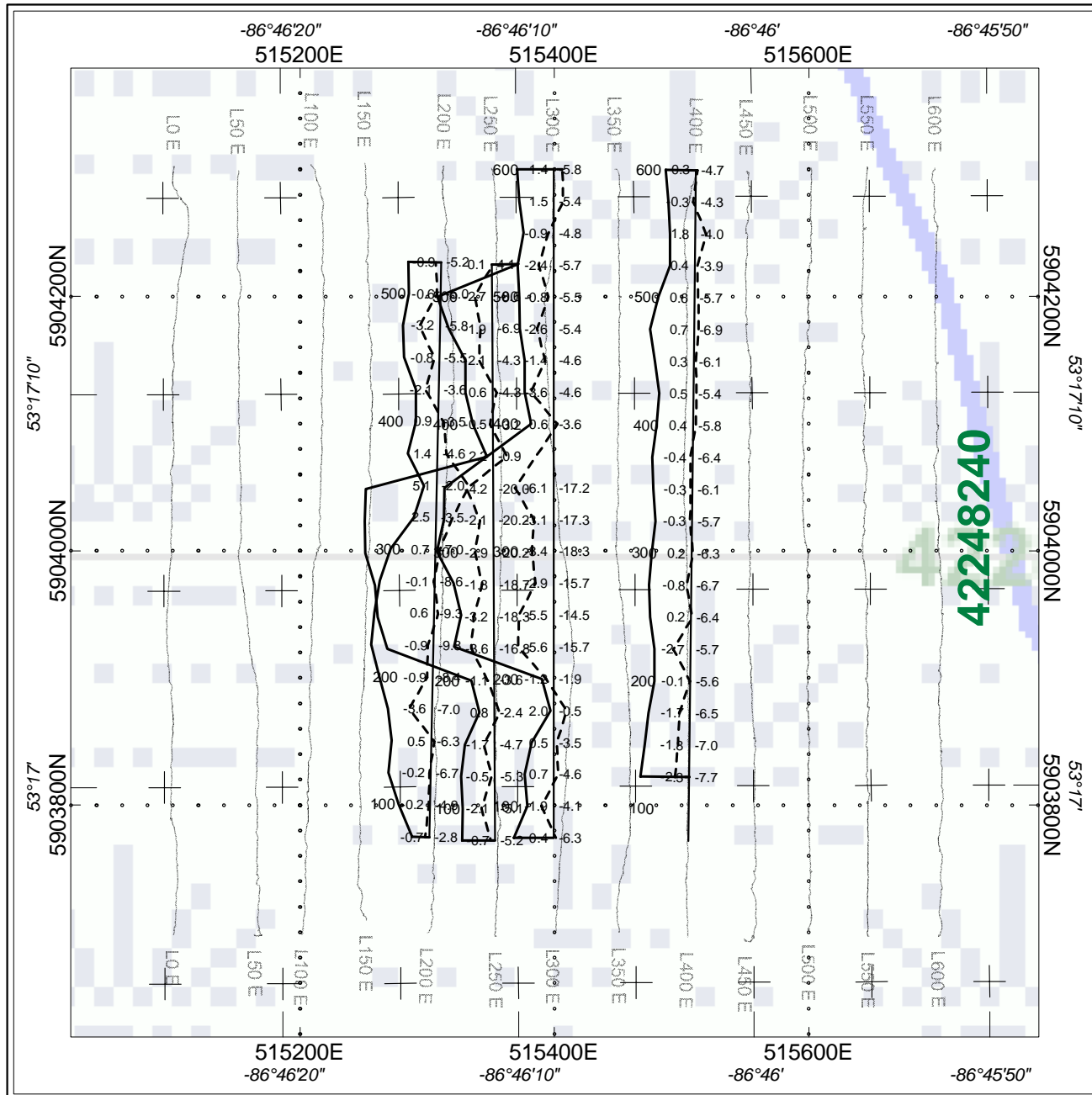
**GRID 1
MCFAULDS LAKE AREA, ONTARIO
NTS: 43 E/07**

**COMPILATION MAP - TMI WITH
VTEM EM ANOMALY CENTRES AND
BFIELD LATE CHANNEL CONTOURS (DARK RED)**

TMI Contour Interval: 2, 20, 100 & 500 nT
Instrument: GEM 19WV

Topographic base map copyright: Queen's Printer for Ontario

JVX LTD., ref. no. 9-08, October 2009

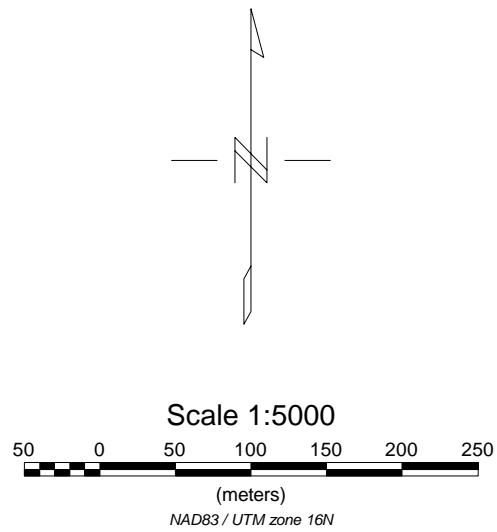
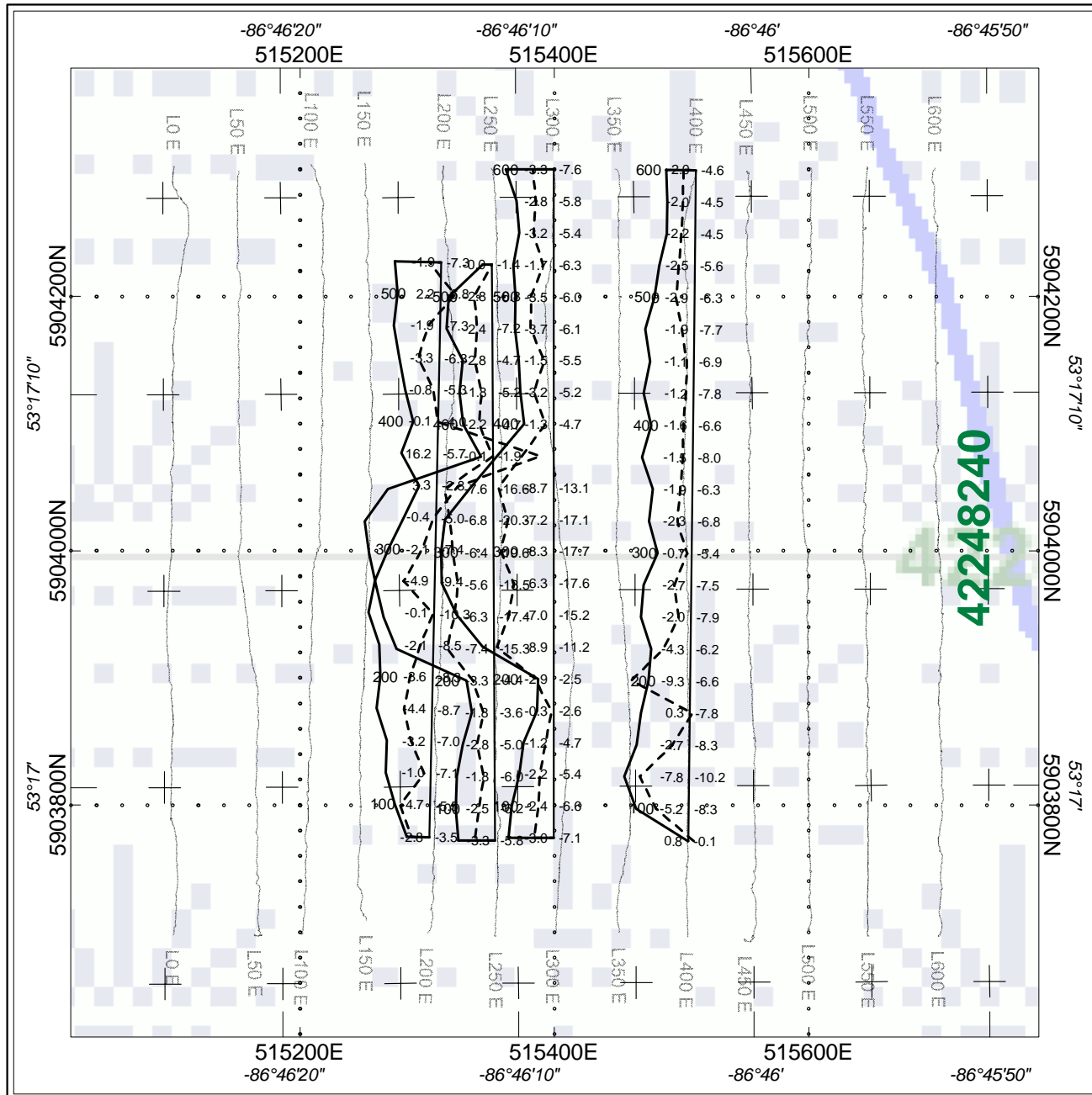


WHITE PINE RESOURCES INC.

**GRID 1
MCAULDS LAKE AREA, ONTARIO
NTS: 43 E/07**

HLEM PROFILES (1760 Hz)
 In Phase: Solid, Posted: Right
 Quadrature: Short dashed, Posted: Left
 Stations posted to the left
 Profile Scale: 1 cm = 10 %
 Coil Separation = 150 m
Topographic base map copyright: Queen's Printer for Ontario

JVX LTD., ref. no. 9-08, October 2009

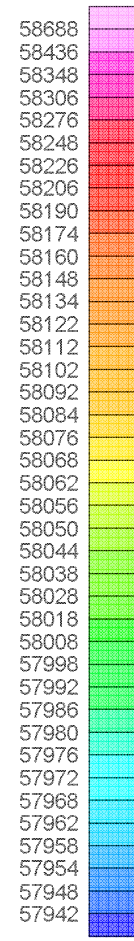
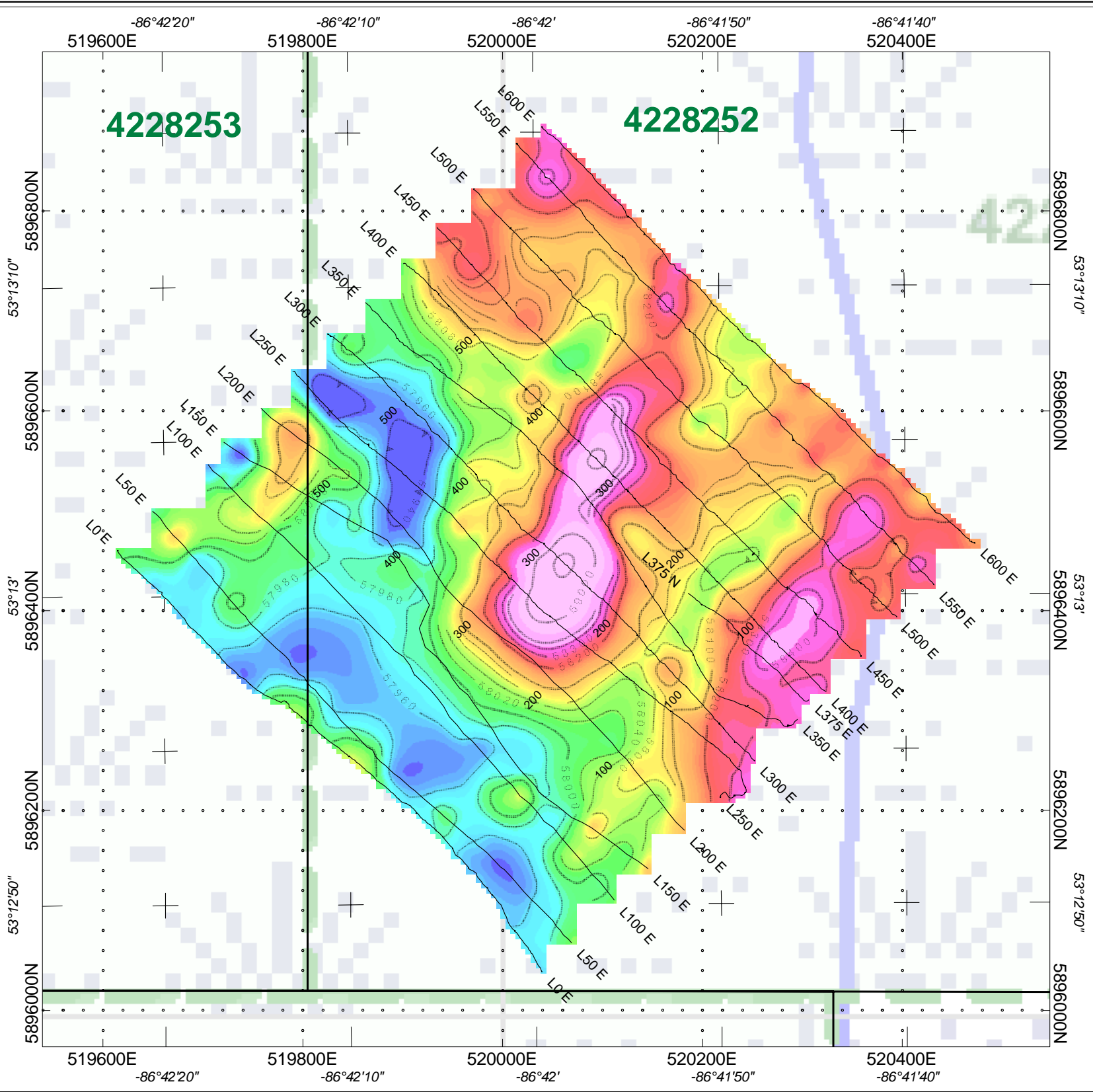


WHITE PINE RESOURCES INC.

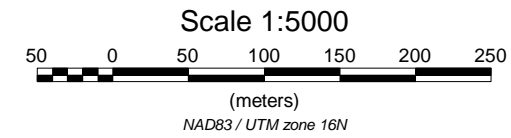
**GRID 1
MCFAULDS LAKE AREA, ONTARIO
NTS: 43 E/07**

HLEM PROFILES (440 Hz)
In Phase: Solid, Posted: Right
Quadrature: Short dashed, Posted: Left
Stations posted to the left
Profile Scale: 1 cm = 10 %
Coil Separation = 150 m
Topographic base map copyright: Queen's Printer for Ontario

JVX LTD., ref. no. 9-08, October 2009



TMI
(nT)

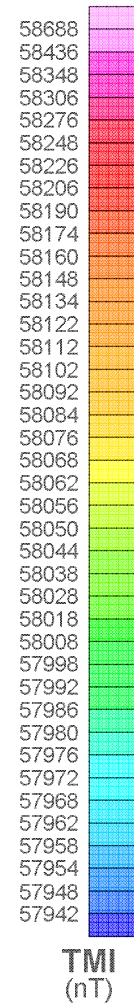
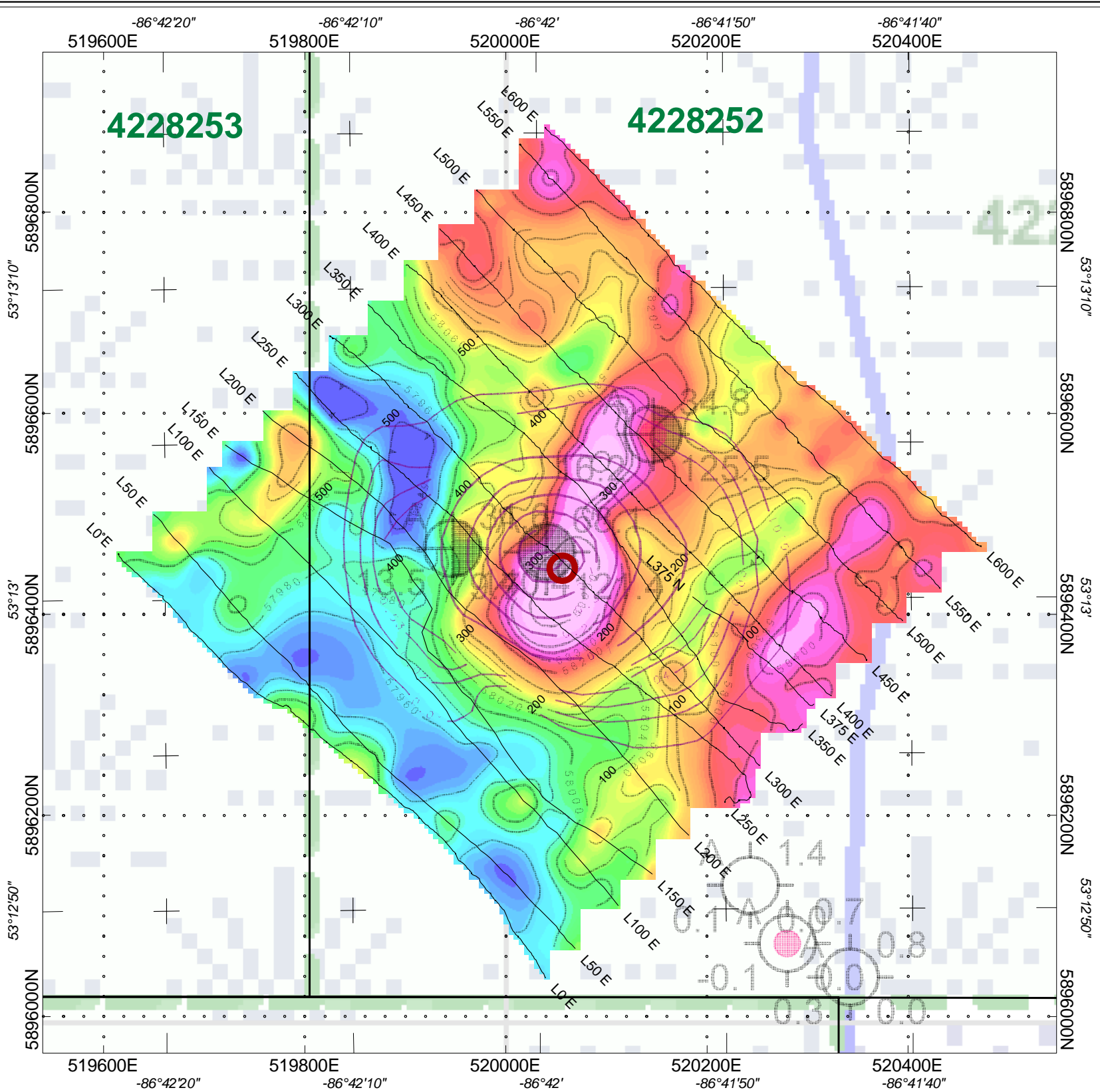


WHITE PINE RESOURCES INC.

GRID 4
MCFAULDS LAKE AREA, ONTARIO
NTS: 43 E/07

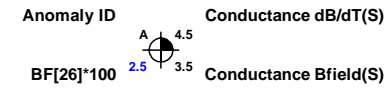
TOTAL MAGNETIC INTENSITY
 Contour Interval: 2, 20, 100 & 500 nT
 Instrument: GEM GSM-19WV
Topographic base map copyright: Queen's Printer for Ontario

JVX LTD., ref. no. 9-08, February 2009

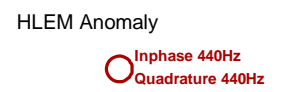


EM Anomaly Symbols

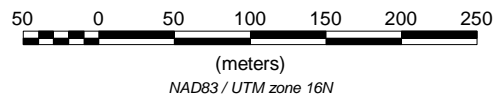
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- 5.0 < Conductance < 10.0
- 10.0 < Conductance < 20.0
- 20.0 < Conductance < 35.0
- 35.0 < Conductance < 50.0
- 50.0 < Conductance



"thin" type of Anomaly



Scale 1:5000



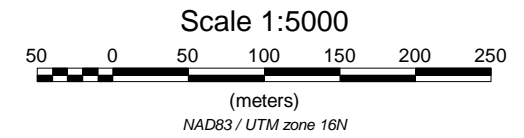
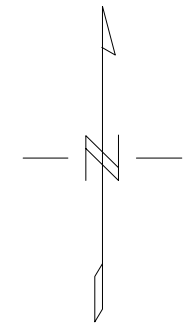
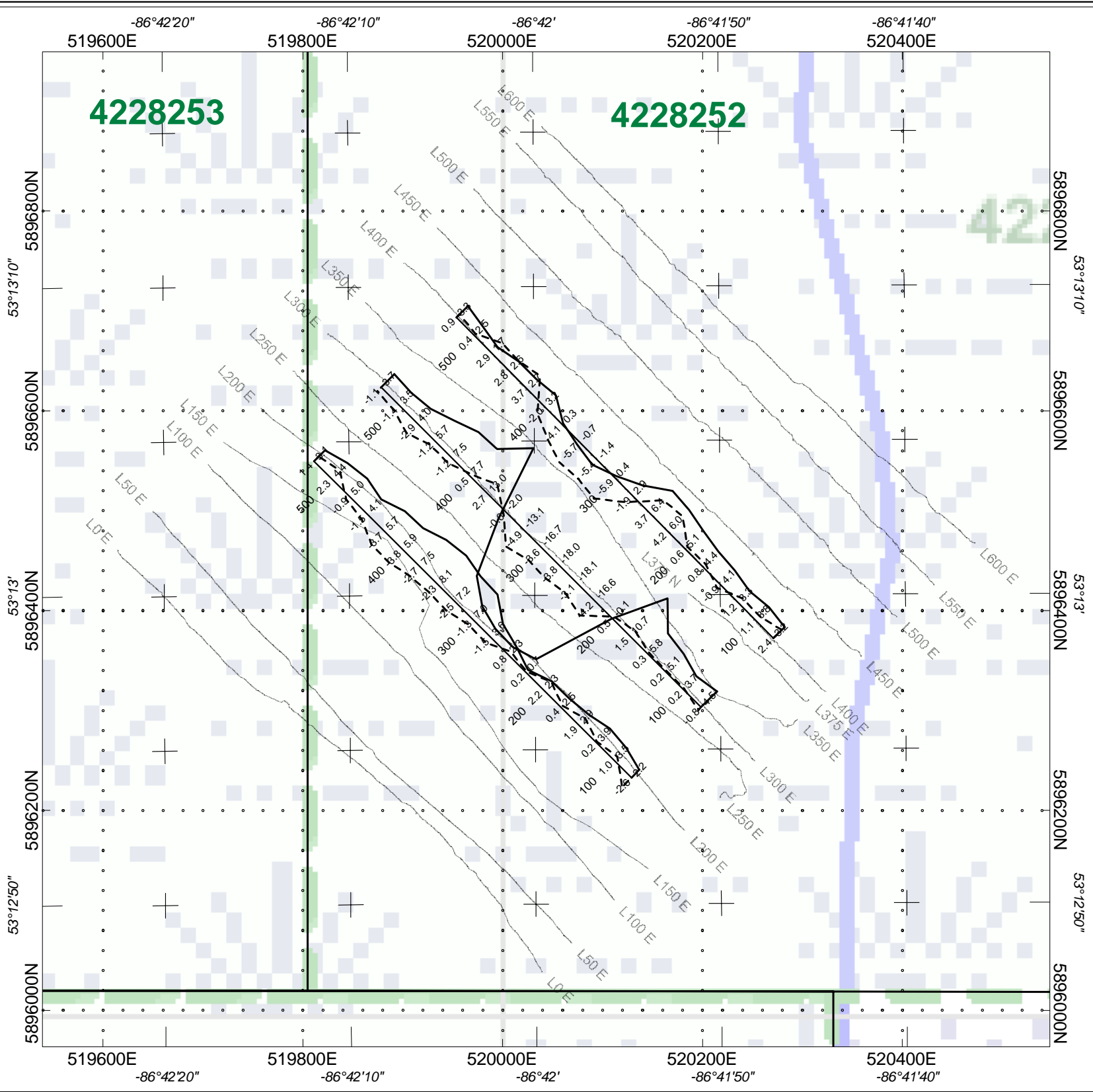
TMI (nT)

WHITE PINE RESOURCES INC.

**GRID 4
MCFAULDS LAKE AREA, ONTARIO
NTS: 43 E/07**

**COMPILATION MAP - TMI WITH
VTEM EM ANOMALY CENTRES AND
BFIELD LATE CHANNEL CONTOURS (DARK RED)**
TMI Contour Interval: 2, 20, 100 & 500 nT
Instrument: GEM 19WV
Topographic base map copyright: Queen's Printer for Ontario

JVX LTD., ref. no. 9-08, October 2009

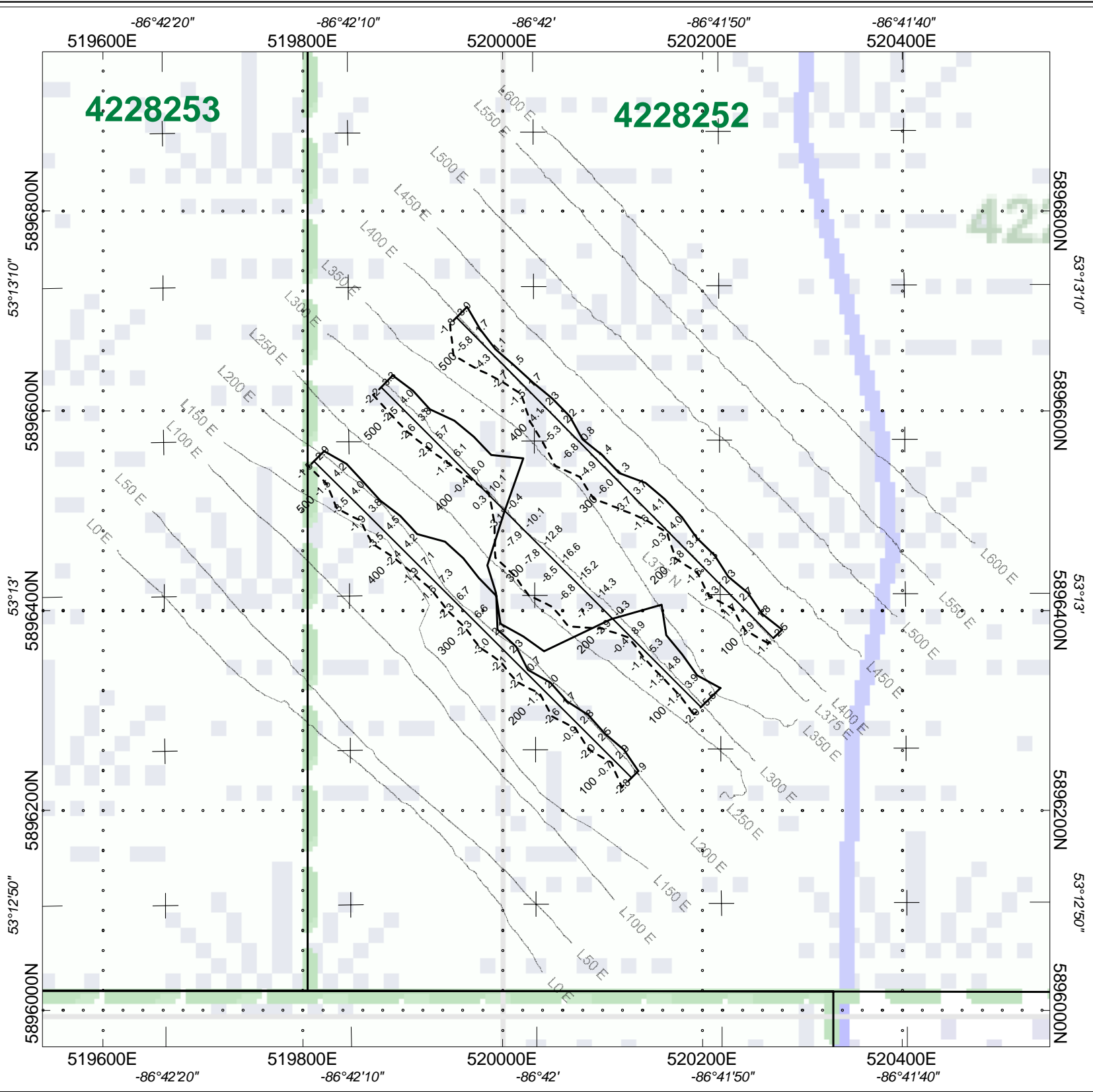


WHITE PINE RESOURCES INC.

**GRID 4
MCAULDS LAKE AREA, ONTARIO
NTS: 43 E/07**

HLEM PROFILES (1760 Hz)
 In Phase: Solid, Posted: Right
 Quadrature: Short dashed, Posted: Left
 Stations posted to the left
 Profile Scale: 1 cm = 10 %
 Coil Separation = 150 m
Topographic base map copyright: Queen's Printer for Ontario

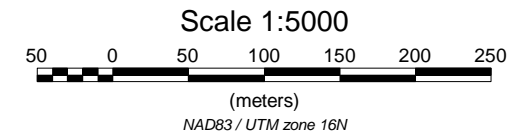
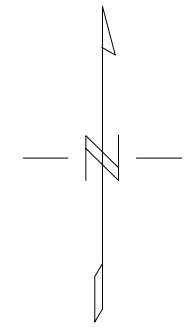
JVX LTD., ref. no. 9-08, October 2009



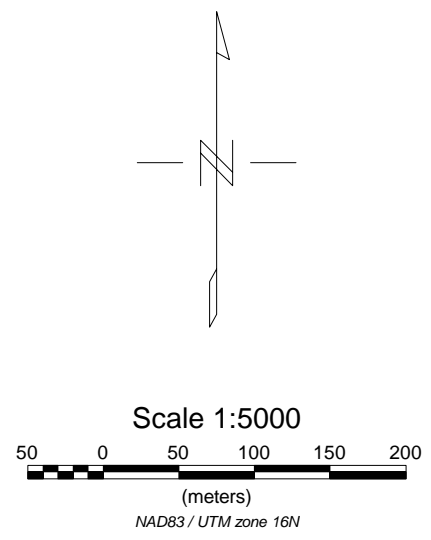
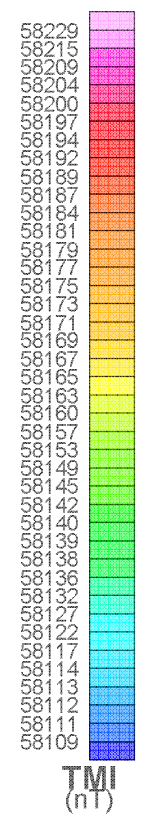
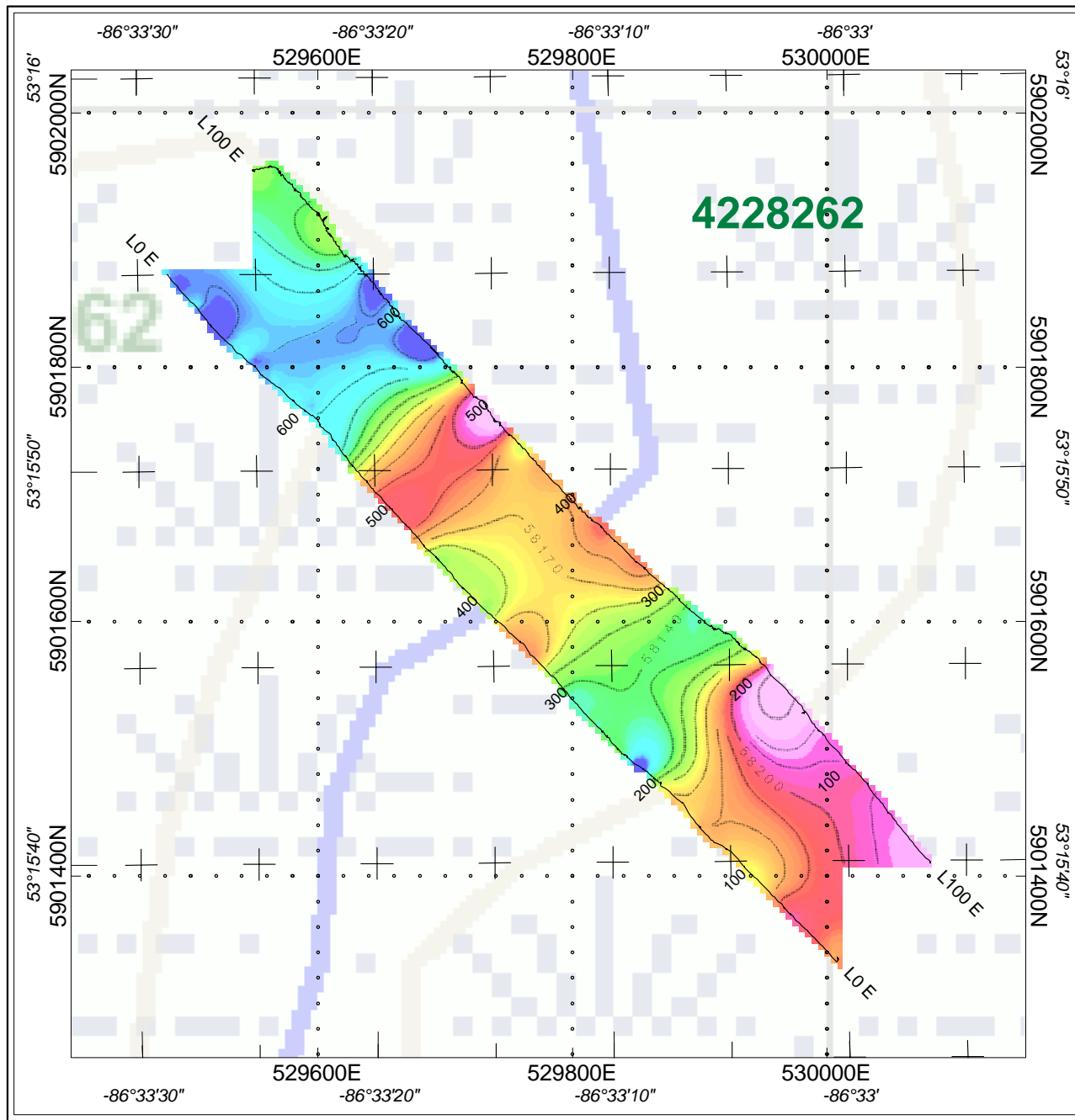
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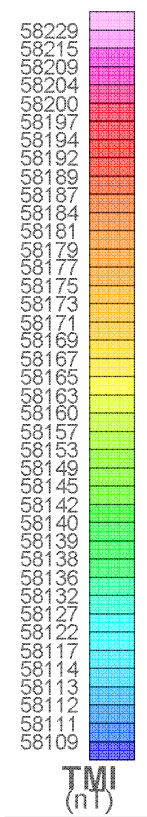
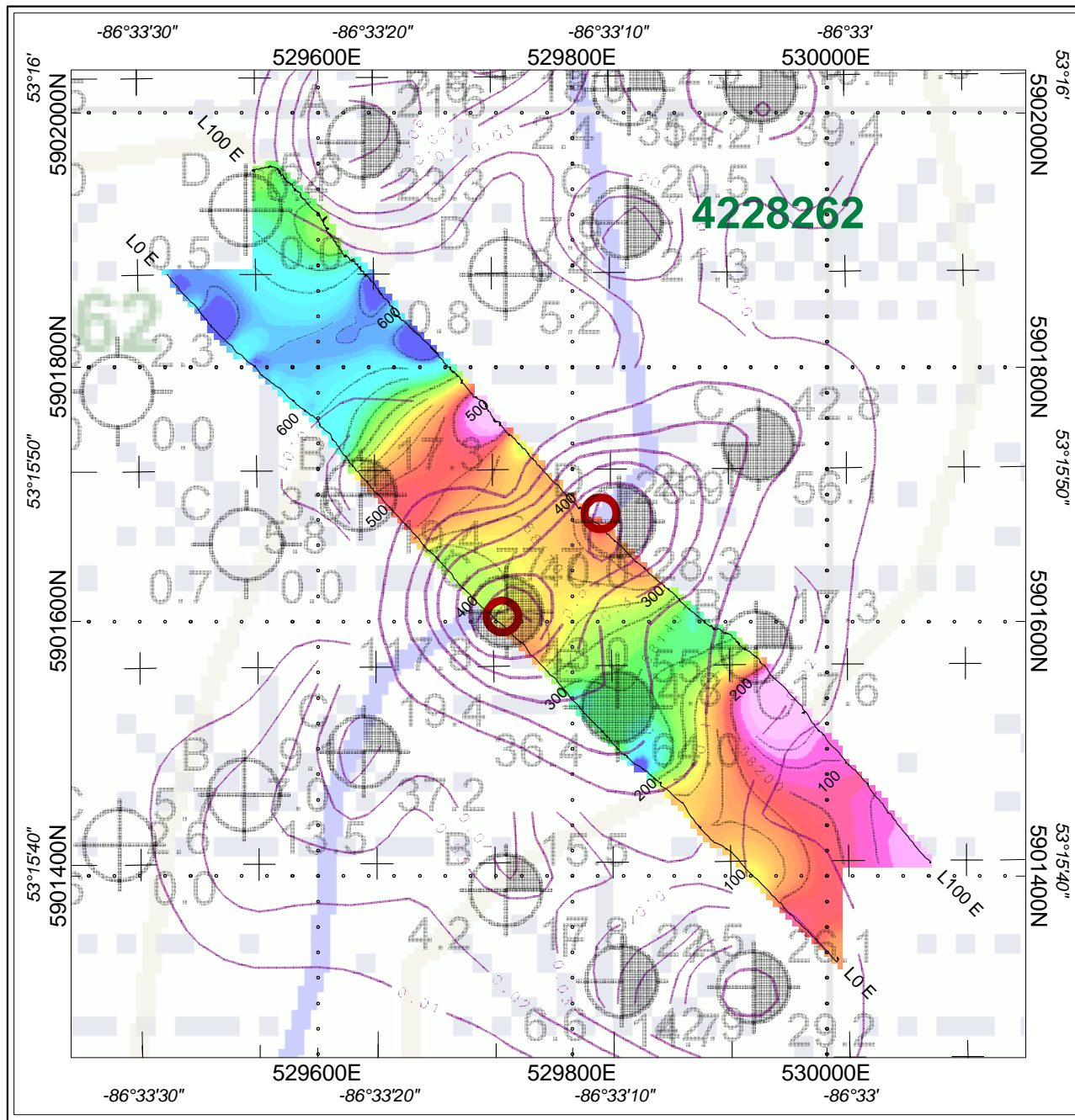
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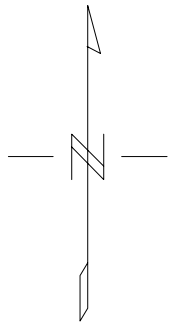
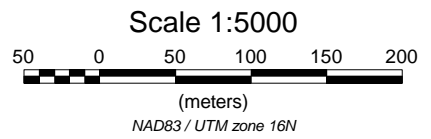
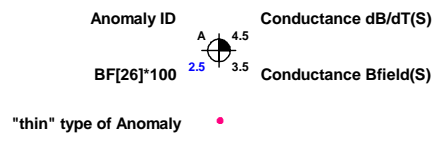
WHITE PINE RESOURCES INC.
GRID 4 MCAULDS LAKE AREA, ONTARIO NTS: 43 E/07
HLEM PROFILES (440 Hz) In Phase: Solid, Posted: Right Quadrature: Short dashed, Posted: Left Stations posted to the left Profile Scale: 1 cm = 10 % Coil Separation = 150 m <i>Topographic base map copyright: Queen's Printer for Ontario</i>
JVX LTD., ref. no. 9-08, October 2009



WHITE PINE RESOURCES INC.
GRID 7 MCFAULDS LAKE AREA, ONTARIO NTS: 43 E/07
TOTAL MAGNETIC INTENSITY Contour Interval: 1, 10, 50 & 200 nT Stations posted: Left Instrument: GEM GSM-19WV <i>Topographic base map copyright: Queen's Printer for Ontario</i>
JVX LTD., ref. no. 9-08, February, 2009



- EM Anomaly Symbols**
- Conductance < 5.0 siemens ○
 - 5.0 < Conductance < 10.0 ⊕
 - 10.0 < Conductance < 20.0 ⊗
 - 20.0 < Conductance < 35.0 ⊙
 - 35.0 < Conductance < 50.0 ⊚
 - 50.0 < Conductance ⊛

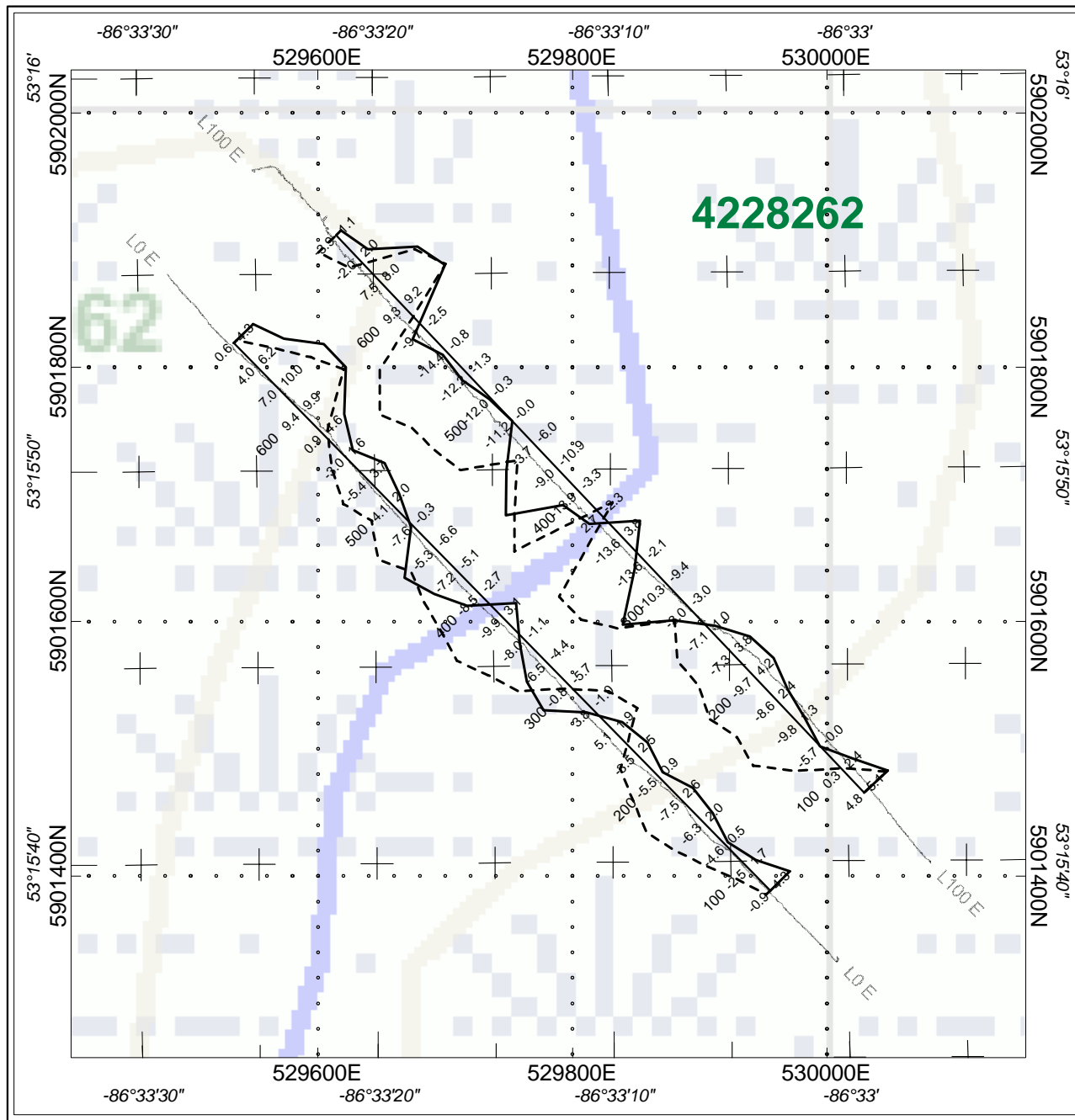


WHITE PINE RESOURCES INC.

**GRID 7
MCFAULDS LAKE AREA, ONTARIO
NTS: 43 E/07**

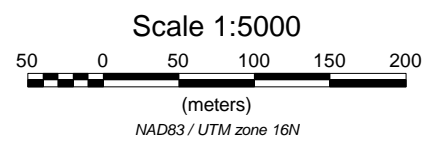
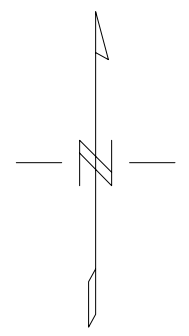
**COMPILATION MAP - TMI WITH
VTEM EM ANOMALY CENTRES AND
BFIELD LATE CHANNEL CONTOURS (DARK RED)**
TMI Contour Interval: 1, 10, 50 & 200 nT
Instrument: GEM 19WV
Topographic base map copyright: Queen's Printer for Ontario

JVX LTD., ref. no. 9-08, October 2009

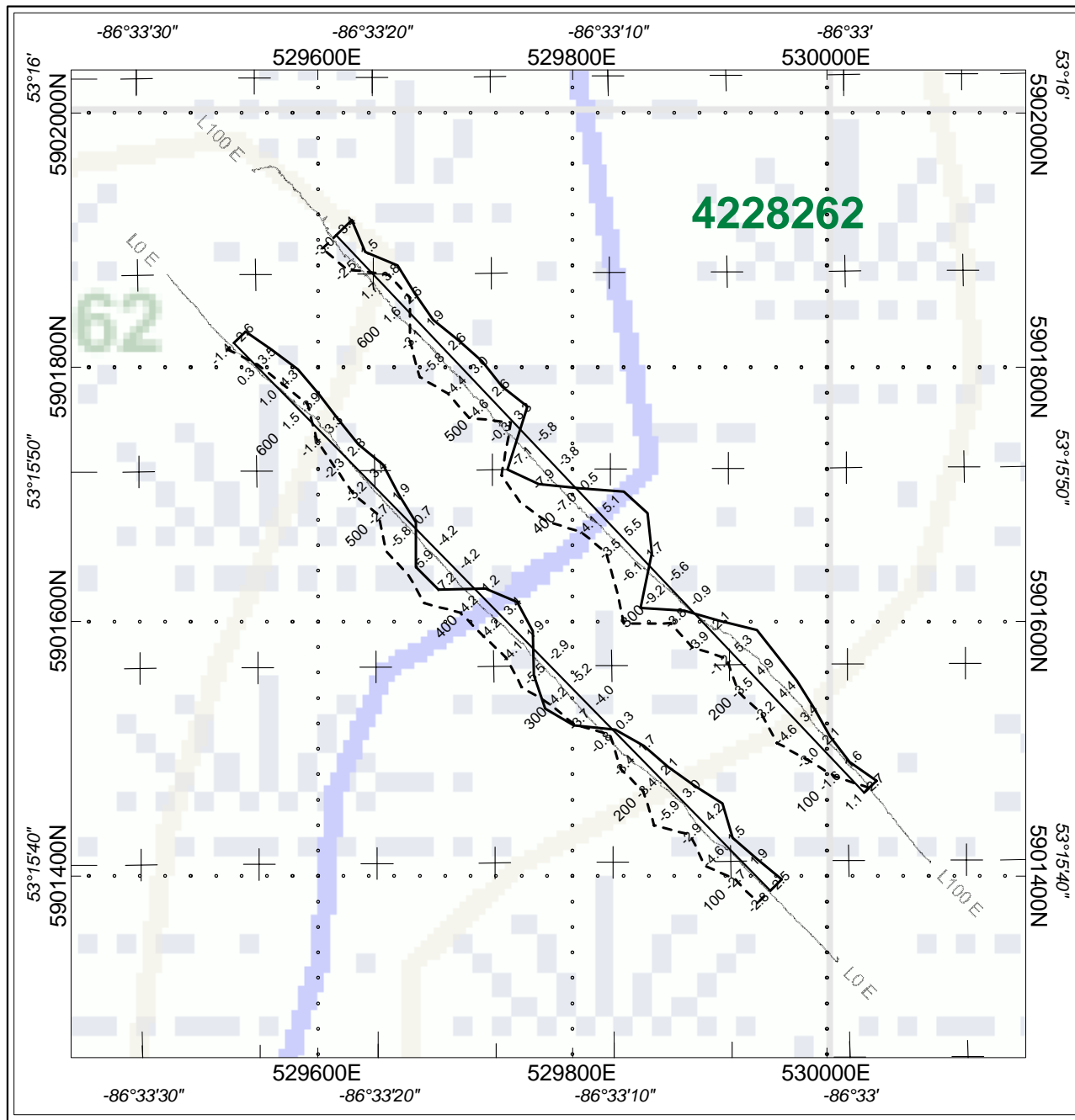


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62

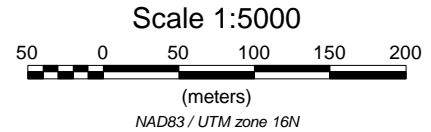
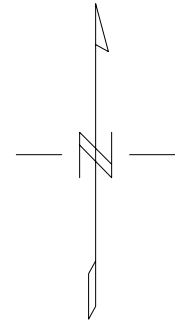


WHITE PINE RESOURCES INC.
GRID 7 MCFAULDS LAKE AREA, ONTARIO NTS: 43 E/07
HLEM PROFILES (1760 Hz) In Phase: Solid, Posted: Right Quadrature: Short dashed, Posted: Left Stations posted to the left Profile Scale: 1 cm = 10 % Coil Separation = 150 m <i>Topographic base map copyright: Queen's Printer for Ontario</i>
JVX LTD., ref. no. 9-08, October 2009



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62



WHITE PINE RESOURCES INC.
GRID 7 MCFAULDS LAKE AREA, ONTARIO NTS: 43 E/07
HLEM PROFILES (440 Hz) In Phase: Solid, Posted: Right Quadrature: Short dashed, Posted: Left Stations posted to the left Profile Scale: 1 cm = 10 % Coil Separation = 150 m <i>Topographic base map copyright: Queen's Printer for Ontario</i>
JVX LTD., ref. no. 9-08, October 2009