

We are committed to providing [accessible customer service](#).

If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).

Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).

**GEOLOGICAL MAPPING, PROSPECTING AND SAMPLING PROGRAM**  
**FOR**  
**NORTHSHORE MINERALS INC**  
**ON**  
**THE K-39 PROPERTY**  
**IN**  
**ENGLISH AND BARTLETT TOWNSHIPS,**  
**TIMMINS MINING DISTRICT, ONTARIO**  
**NTS 42A03**

Gordon N. Henriksen, P. Geo.  
OGQ# 451

January 8, 2021  
Low, Quebec

<b>Table of Contents</b>	<b>Page</b>
<b>Introduction.....</b>	<b>4</b>
<b>Property Description, Location and Access .....</b>	<b>5</b>
<b>Geology-Geophysics-Geochemistry-Mineralization .....</b>	<b>9</b>
Regional Geology.....	9
Property Geology.....	9
Mineralization (Historical) .....	9
Geophysics .....	10
Geochemistry .....	14
<b>Work Performed and Methods Used.....</b>	<b>16</b>
Grid Establishment.....	16
Geological Mapping, Prospecting and Sampling.....	16
<b>Survey Results and Interpretation.....</b>	<b>18</b>
Geological Mapping, Prospecting and Sampling .....	18
<b>Conclusions and Recommendations .....</b>	<b>21</b>
<b>References.....</b>	<b>22</b>
<b>Certificate of Author .....</b>	<b>23</b>
<b>Figures</b>	
Figure 1: Location Map, K-39 Property, Ontario.....	5
Figure 2: Regional Location and Access Map, K-39 Property, Ontario.....	6
Figure 3: Claim Map-English and Bartlett Townships, K-39 Property.....	7
Figure 4: Geology Map Showing the K-39 Property outlined in Black (OGS Map P.3527) ...	10
Figure 5: MEGATEM II airborne total field magnetic and electromagnetic map, K-39 Property outlined in black with electromagnetic anomalies labelled A, C and E (Bartlett Dome Survey 2007) .....	11
Figure 6: VTEM airborne Electromagnetic map, K-39 Property outlined in black (Klondike Silver-Geotech Survey 2008) .....	12
Figure 7: VTEM airborne Total Field Magnetic map, K-39 Property outlined in black (Klondike Silver-Geotech Survey 2008) .....	13
Figure 8: K- 39 Property covering parts of anomalies F and G and the area in between on the “Summary diagram highlighting the main anomalies defined by the lake media and/or till compositional datasets” (OGS OFR 5942, p.73) .....	14
Figure 9: Claim map showing area of grid establishment which is also the area of geological mapping, prospecting and sampling .....	17

**Tables:**

Table 1: K-39 Property Claim List.....	8
Table 2: K-39 Property sample descriptions and analysis results.....	19

**Appendix I  
Certificates of Analyses**

**Appendix II  
Exploration Permit**

**Appendix III  
Claim Map: Claim map with K-39 Property perimeter measurements and area, Bartlett and English townships, Ontario (source ODM-MLAS system).**

**Appendix IV  
Daily Logs**

**Appendix V  
Geological Surveying Map, Sheet 1 of 2 and the Prospecting - Sampling Map, Sheet 2 of 2, included as a separate file.**

**GEOLOGICAL MAPPING, PROSPECTING AND SAMPLING PROGRAM  
FOR  
NORTHSHORE MINERALS INC  
ON  
THE K-39 PROPERTY  
IN  
ENGLISH AND BARTLETT TOWNSHIPS,  
TIMMINS MINING DISTRICT, ONTARIO  
NTS 42A03**

**Introduction:**

The K-39 property of Northshore Minerals Inc. is under option from Mr. Paul Adomaitis, Mr. Richard Stroz and Mr. Gordon N. Henriksen. The area of work on the property, claim numbers 525418, 525421, 525463 and 525464 is covered by **Exploration Permit Number: PR-19-000025**, Qualified Supervisor; Gordon Henriksen; permit expiry date April 5, 2022. The permit included in Appendix II.

Between September 23 and October 16, 2020 a grid was established in the central part of the property covering an area of isolated airborne electromagnetic anomalous responses and a program of geological mapping, prospecting and sampling was performed. The airborne MEGATEM II and VTEM electromagnetic surveys performed in 2007 and 2008, respectively, located anomalous responses in this area. The airborne total field magnetic survey suggests at least three major structures/lineaments converge in the vicinity of the property.

Two geochemical anomalies have been defined in the property area by the Ontario Geological Survey (OGS) in Open File Report (OFR) 5942, as anomalies "F" and "G". Anomaly "F" is defined by lake media: Zn, Cu, S, Pb, Co and till: Zn, Cu, Ni, ± Cr, ± Co, ± As. Anomaly "G" is defined by lake media: Au, Mo, Hg (water), ± As and till: Cu, Co, Hg, ± Ni, ± Zn, ± As.

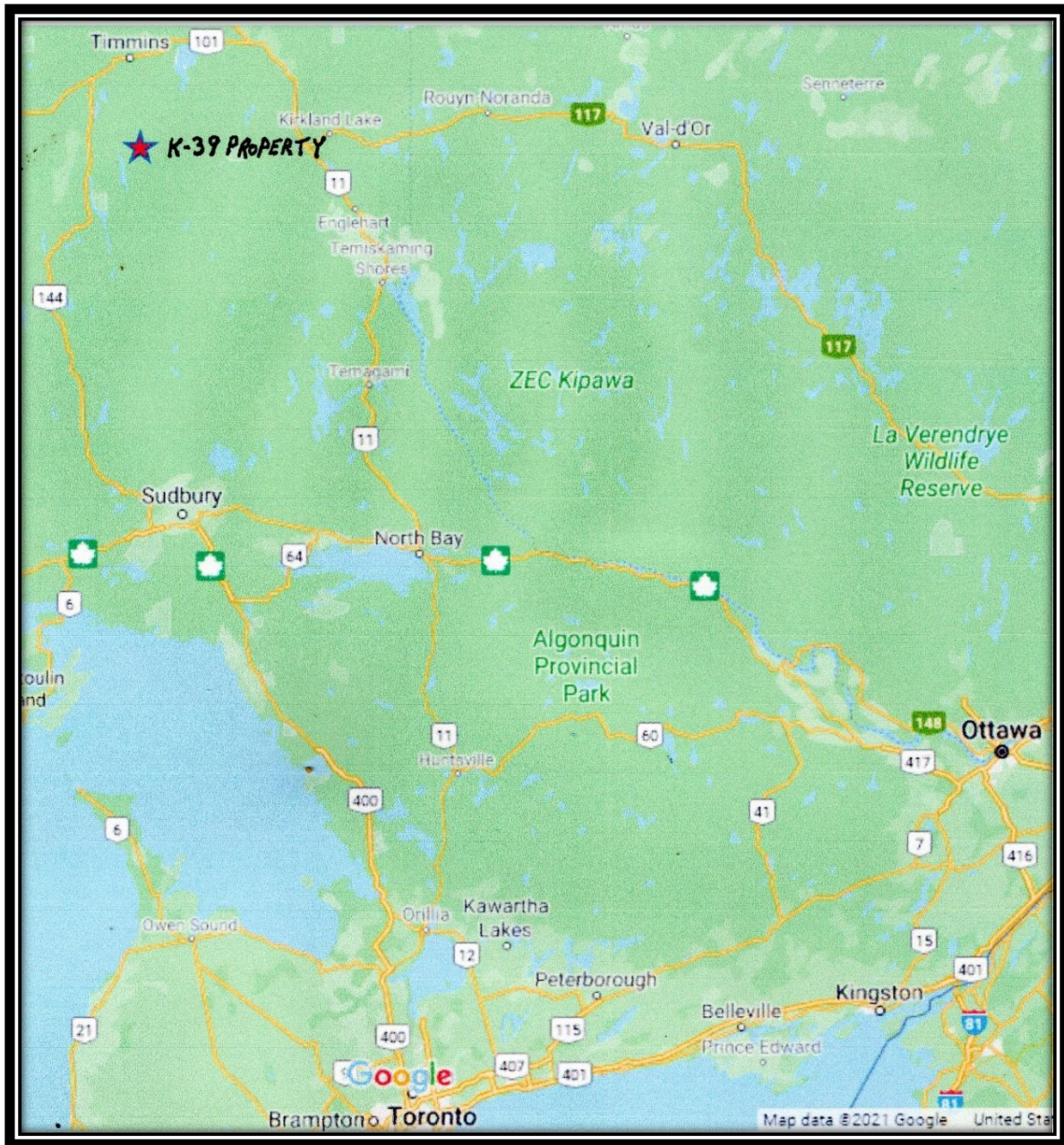
The property has both precious and base-metal potential.

The program of mapping, prospecting and sampling was performed to potentially locate the source of the MEGATEM II - VTEM electromagnetic anomalies or ascertain the potential source of the anomaly.

The grid establishment, geological mapping, prospecting and sampling were carried out by Gordon N. Henriksen, P. Geo. and Robert A. Campbell, BSc, prospector.

**Property Description, Location and Access:**

The K-39 property is made up of 21 claims, in one claim block, totalling 449.3 hectares (1,110.2 acres) in English and Bartlett townships, Ontario, NTS sheet 42A03. The property is located approximately 39 km south of the city of Timmins, Ontario and can be easily accessed by main and secondary logging roads from Pine Street South, Timmins, Figure 2. The main logging road south from Timmins is plowed in winter however a snow machine is required for use on the unplowed secondary logging roads.



**FIGURE 1: LOCATION MAP, K-39 PROPERTY, ONTARIO**

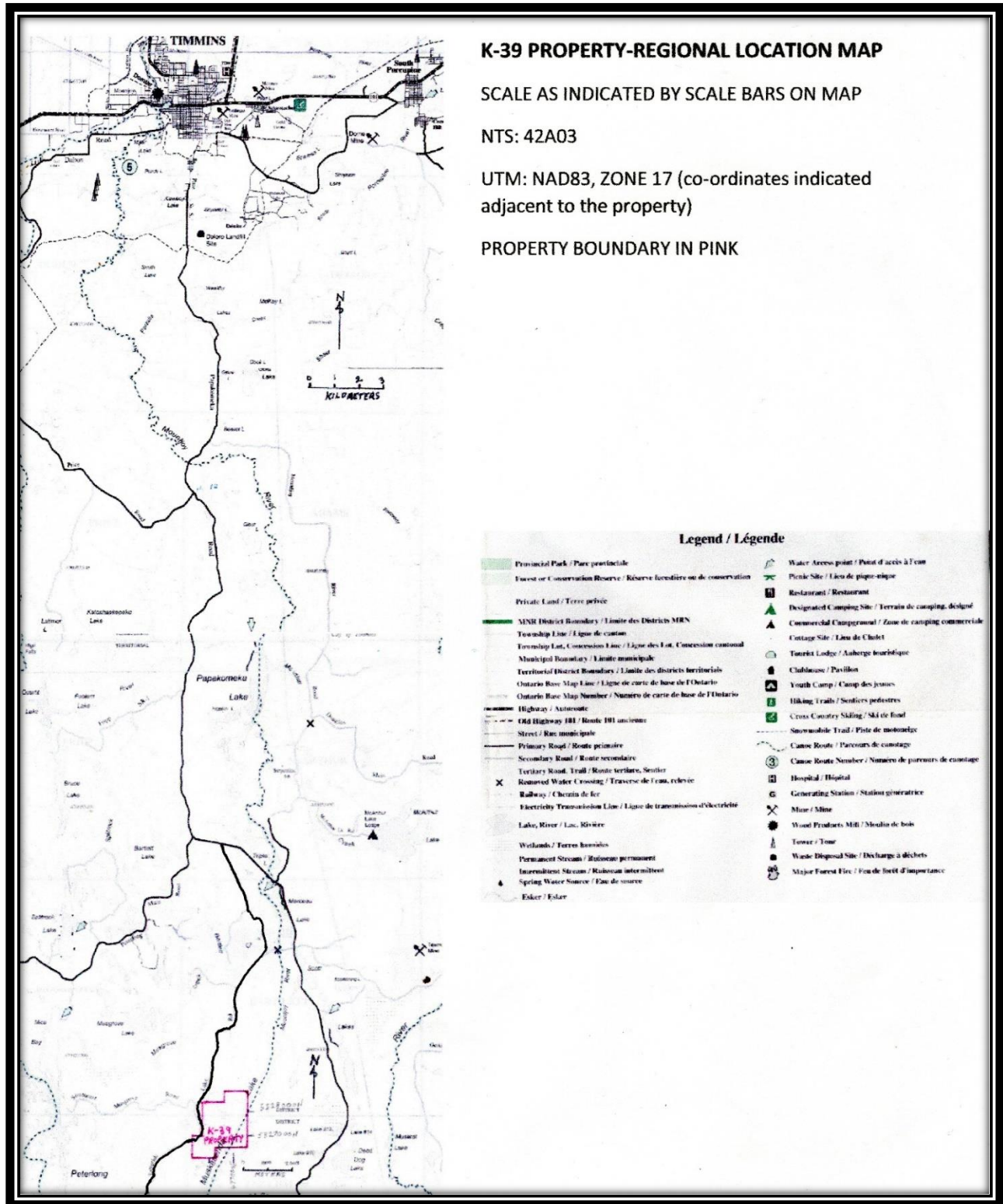


FIGURE 2: REGIONAL LOCATION AND ACCESS MAP, K-39 PROPERTY, ONTARIO

The claims are registered with the Ministry of Energy, Northern Development and Mines, Ontario, Provincial Recording Office and are shown below in Figure 3 and listed below in Table 1.

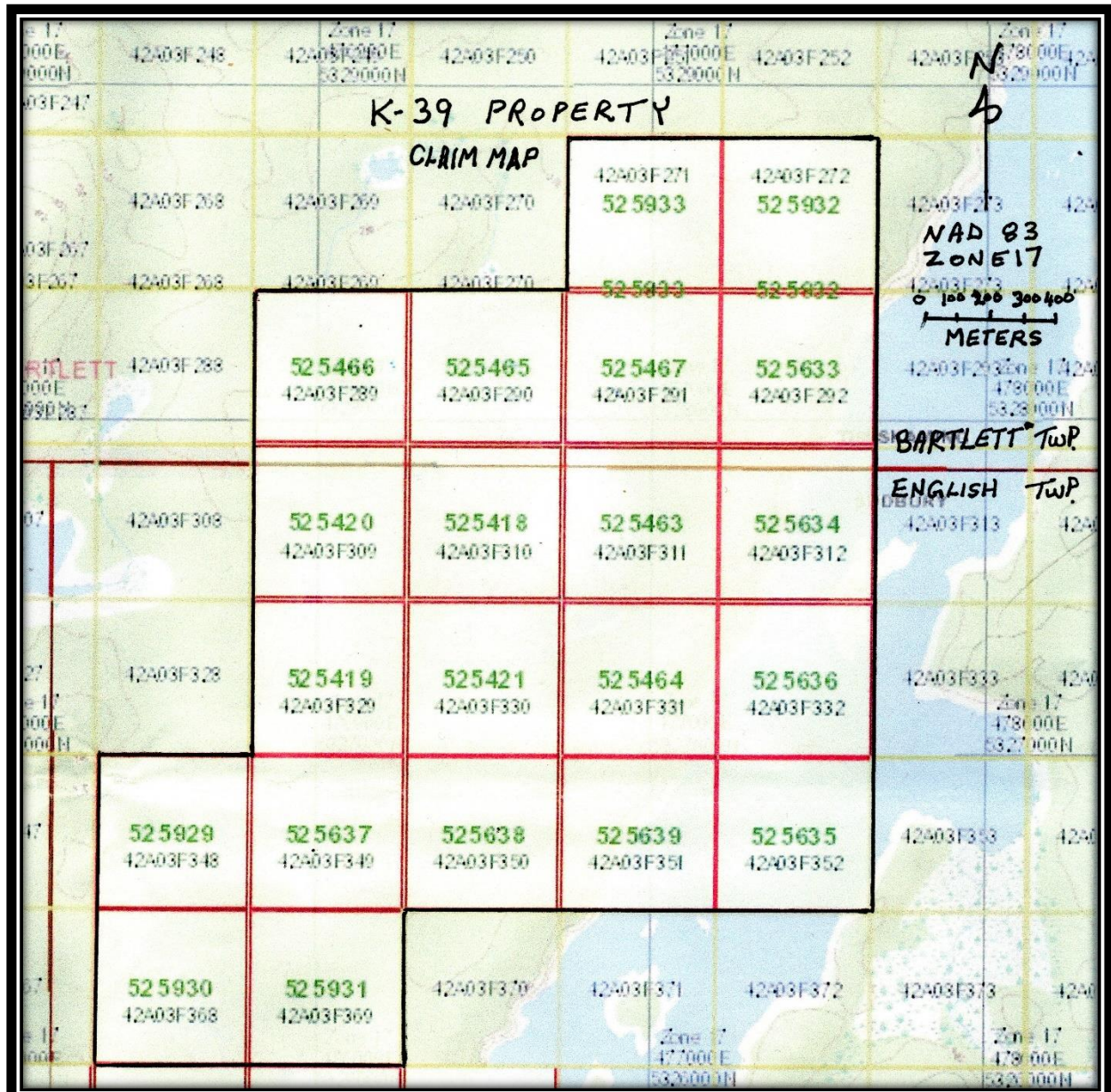


FIGURE 3: CLAIM MAP-ENGLISH AND BARTLETT TOWNSHIPS, K-39 PROPERTY



**TABLE 1: K-39 PROPERTY CLAIM LIST**

K-39 Property Claim List						
Claim Number	Anniversary Date	Issue Date	Cell ID	Work Required \$	Cell Type*	Legacy Claim Number(s)
525418	19-07-2021	19-07-2018	42A03F310	400.00	C	NIL
525419	19-07-2021	19-07-2018	42A03F329	400.00	C	NIL
525420	19-07-2021	19-07-2018	42A03F309	400.00	C	NIL
525421	19-07-2021	19-07-2018	42A03F330	400.00	C	NIL
525463	22-07-2021	22-07-2018	42A03F311	400.00	C	NIL
525464	22-07-2021	22-07-2018	42A03F331	400.00	C	NIL
525465	22-07-2021	22-07-2018	42A03F290	400.00	C	NIL
525466	22-07-2021	22-07-2018	42A03F289	400.00	C	NIL
525467	22-07-2021	22-07-2018	42A03F291	400.00	C	NIL
525633	26-07-2021	26-07-2018	42A03F292	400.00	C	NIL
525634	26-07-2021	26-07-2018	42A03F312	400.00	C	NIL
525635	26-07-2021	26-07-2018	42A03F352	400.00	C	NIL
525636	26-07-2021	26-07-2018	42A03F332	400.00	C	NIL
525637	26-07-2021	26-07-2018	42A03F349	400.00	C	NIL
525638	26-07-2021	26-07-2018	42A03F350	400.00	C	NIL
525639	26-07-2021	26-07-2018	42A03F351	400.00	C	NIL
525929	09-08-2021	09-08-2018	42A03F348	400.00	C	NIL
525930	09-08-2021	09-08-2018	42A03F368	400.00	C	NIL
525931	09-08-2021	09-08-2018	42A03F369	400.00	C	NIL
525932	09-08-2021	09-08-2018	42A03F272	400.00	C	NIL
525933	09-08-2021	09-08-2018	42A03F271	400.00	C	NIL
*C-Single Cell, B-Boundary Cell						
21 claims						
Total work required per year \$8,400.00						

The claims are 85% forest covered with poplar, spruce, balsam, birch and pine and 15% by water as part of Lake Muskasenda in the southeast corner. A small creek with beaver ponds extends from the center of the north boundary of the property to the center of the property and then drains eastward to Lake Muskasenda. Topography is generally low and covered by glacial outwash. Outcrop is scarce except for a hilly area west of the creek in the center part of the property.

Supplies, services and qualified man power are available in the Timmins area.

## **Geology-Geophysics-Geochemistry-Mineralization:**

### Regional Geology

The claims are located in the Abitibi Volcanic Belt of the Superior Province of the Canadian Shield. The Abitibi Belt extends for nearly 550 km in a west-east direction from Timmins, Ontario to Chibougamau, Quebec. It is host to a variety of precious and base metal deposits including the Timmins, Kirkland Lake, Harker-Holloway, Noranda, Val d'Or and Chibougamau Mining camps.

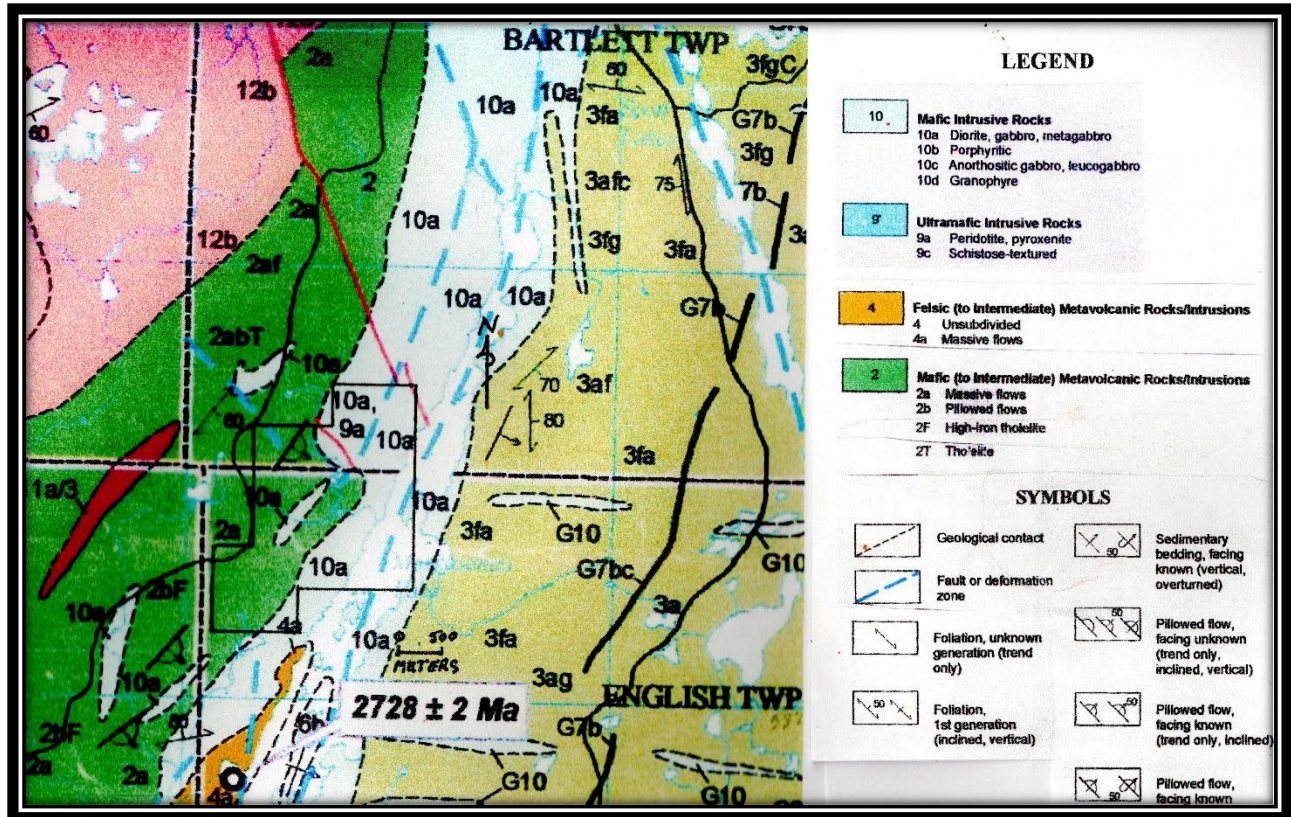
The Abitibi Volcanic Belt is composed of a complex assemblage of interbedded volcanic and sedimentary rocks, intruded by a variety of ultramafic to felsic intrusives. The rocks are Archean in age and have been metamorphosed to the greenschist facies. Numerous Late Precambrian diabase dykes cut the rocks of the belt. The rock units generally strike west-east, have near vertical dips and are highly faulted and folded. Geological interpretation of the Abitibi Belt is complicated by the wide scattering of outcrop exposures in most areas and the complex underlying structural relationships.

### Property Geology

Ontario Geological Survey (OGS) map P.3527, Figure 4, indicates the property as being underlain in the east by mafic to intermediate volcanics striking north-northeast, in part pillowed and facing southeast, as approximately 55% of the property. Mafic intrusive rocks as diorite, gabbro and metagabbro are indicated as underlying the western 45% of the property. A north-north-east trending mafic intrusive "sill" is shown as lying within the volcanics. Northward along strike of the "sill" lies a fault striking north-northeast across the north part of the property. A second north-northeast trending fault, coincident with Lake Muskasenda, is shown traversing the south east corner of the claim block.

### Mineralization (Historical)

A search of the Ontario Geological Survey files indicates that no known records of precious or base-metals occurrences have been found on the property.



**FIGURE 4: GEOLOGY MAP SHOWING THE K-39 PROPERTY OUTLINED IN BLACK (OGS MAP P.3527)**

### Geophysics

Airborne MEGATEM II and VTEM electromagnetic and total field magnetic surveys performed in 2007 and 2008, respectively, located electromagnetic anomalous responses and magnetic highs on the property. The MEGATEM II was a joint \$2,000,000 project between the Federal Government and the OGS, referred to as the Bartlett Dome Project.

The MEGATEM II electromagnetic survey has a penetration of up to 500 m depth and was flown at 200 m line intervals to locate previously unknown conductors, potentially related to volcanogenic massive sulfide deposits at depth, as past/historical electromagnetic instrumentation had a maximum penetration of approximately 100 m. Some of the ground covered by the MEGATEM II survey had not been flown previously and this also has led to the discovery of previously unknown anomalies including the K-39 property anomalies A, C and E, Figure 5.

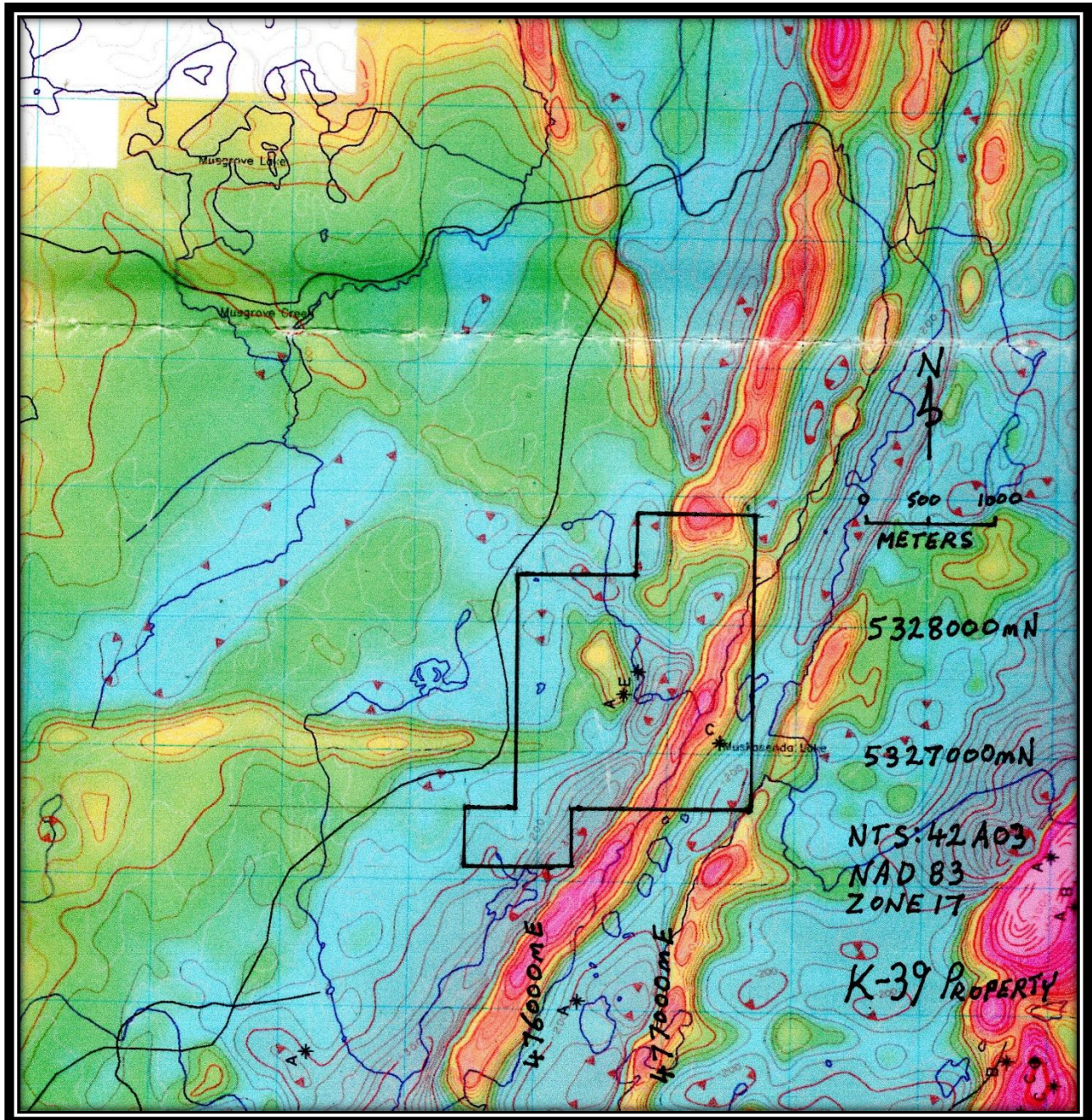
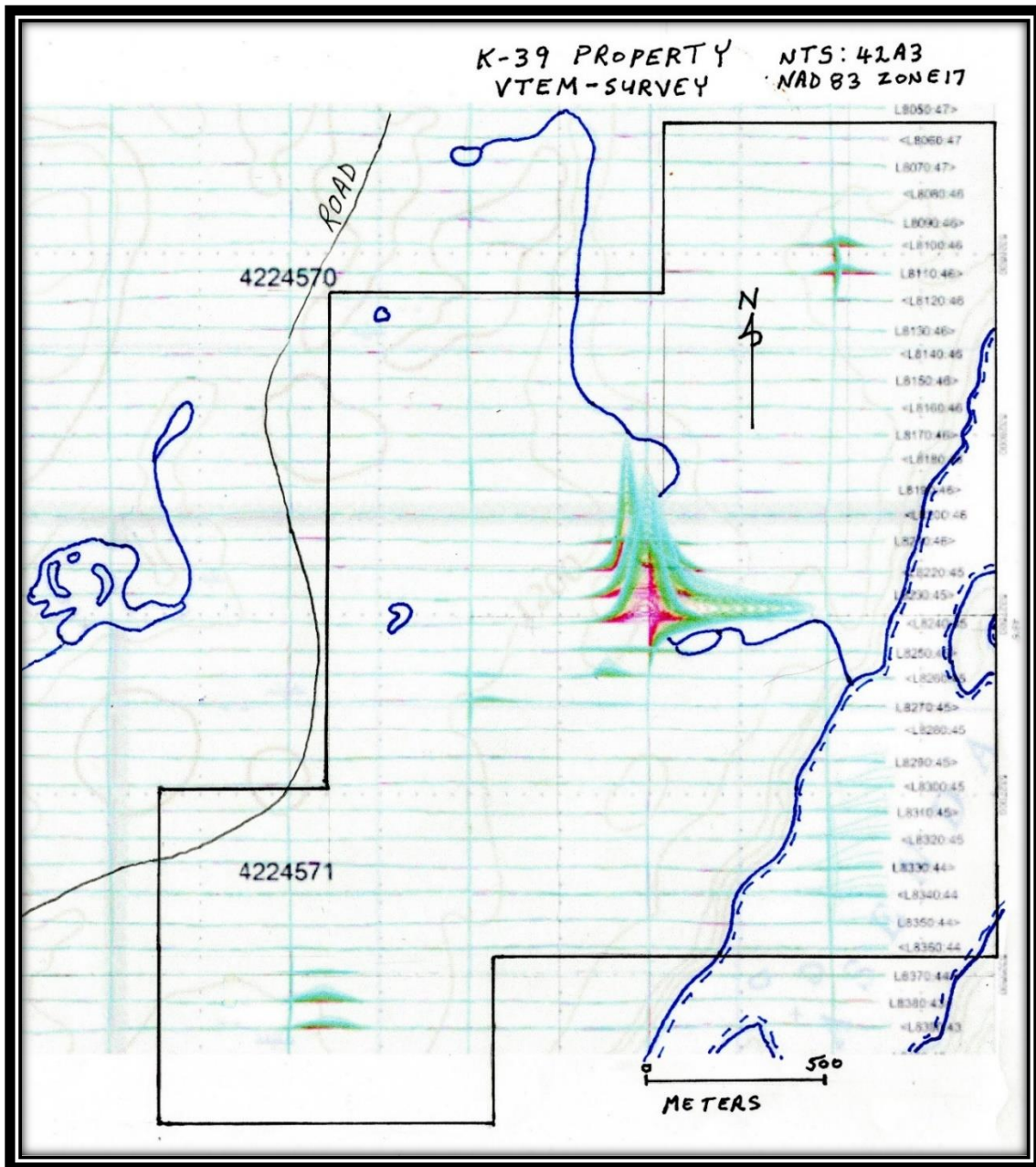
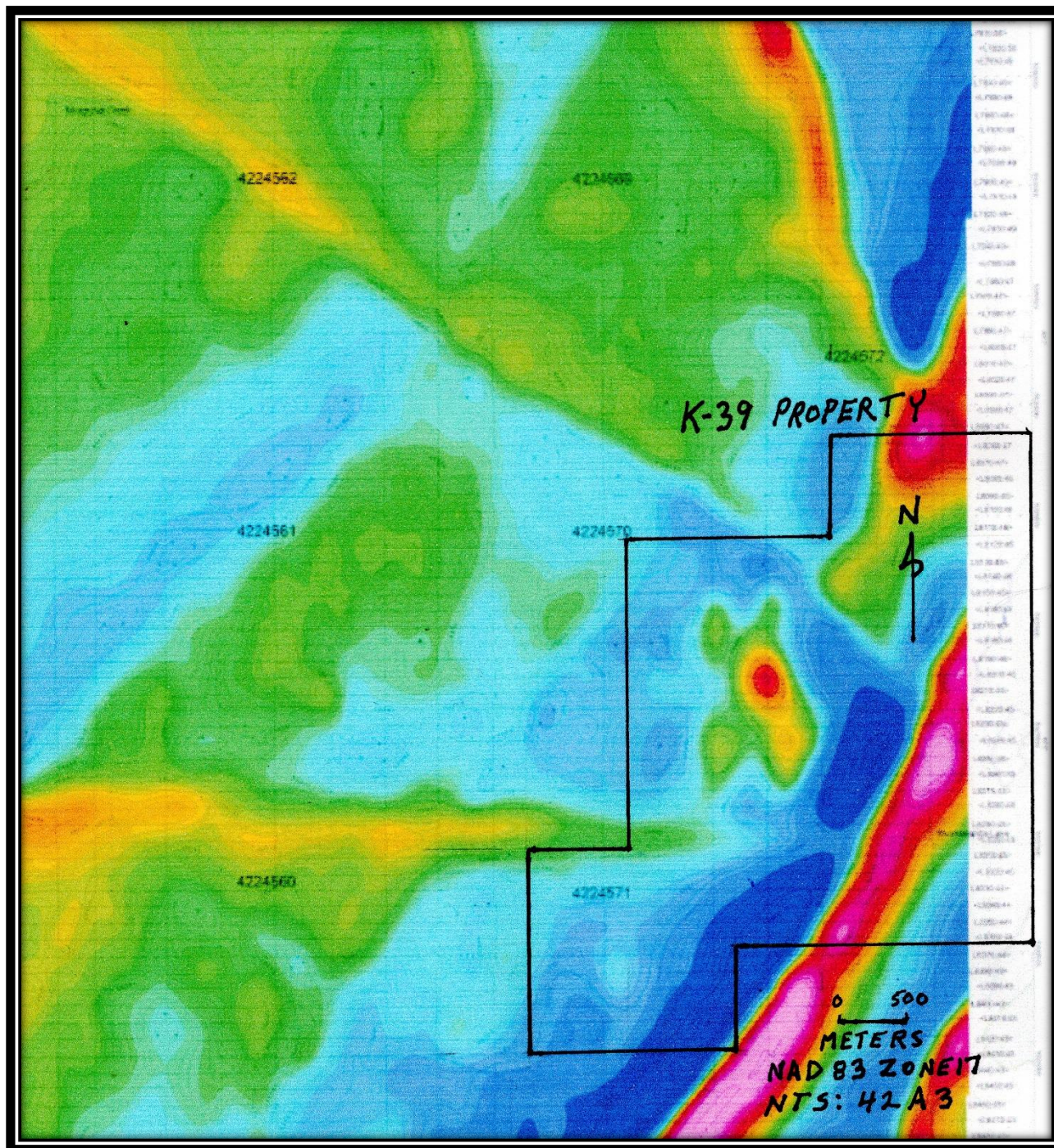


Figure 5: MEGATEM II airborne total field magnetic and electromagnetic map, K-39 Property outlined in black with electromagnetic anomalies labelled A, C and E (Bartlett Dome Survey 2007).

The VTEM electromagnetic and magnetic survey covering several townships was flown at 75 m line intervals for Klondike Silver (2008) the year after the MEGATEM survey, on ground immediately to the south of where the MEGATEM survey left off in Musgrove Twp. The VTEM survey partly overlapped the MEGATEM surveyed ground to the east, in Bartlett and English townships where the K-39 property is situated and clearly defined the electromagnetic anomalous area A and E located by the MEGATEM. Figure 5 shows MEGATEM II anomalies A and E and Figure 6 outlines the locations of the VTEM anomalies.



**FIGURE 6: VTEM airborne Electromagnetic map, K-39 Property outlined in black (Klondike Silver-Geotech Survey 2008).**

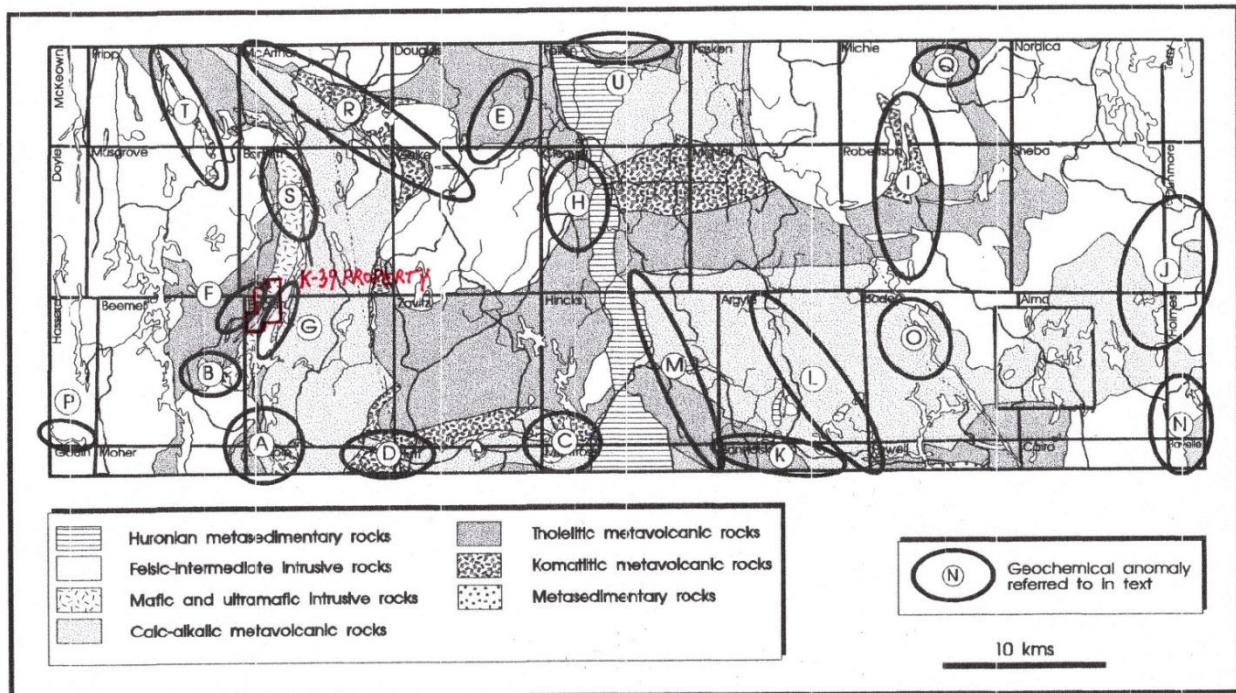


**FIGURE 7: VTEM airborne Total Field Magnetic map, K-39 Property outlined in black (Klondike Silver-Geotech Survey 2008).**

The airborne total field magnetic surveys, both MEGATEM II and VTEM, suggest at least three major structures/lineaments converge in the vicinity of the property, see Figures 5 and 7, respectively.

## Geochemistry

Two geochemical anomalies are described by the OGS as anomalies “F” and “G” lie partly within the K-39 property boundary’s, see Figure 8 below (OGS OFR 5942 New Exploration Targets in the Peterlong Lake-Radisson Lake Area, Southern Abitibi Sub-province; Till, Lake Sediment and Lake Water Sampling Programs, 1996).



**FIGURE 8: K- 39 Property covering parts of anomalies F and G and the area between them on the “Summary diagram highlighting the main anomalies defined by the lake media and/or till compositional datasets” (OGS OFR 5942, p.73).**

“Till samples collected over metavolcanic rocks of the Peterlong assemblage and gabbros of the Muskasenda intrusion contain not only elevated Cu and Zn, but anomalous Ni, Cr, Co, Fe, Mn Mg, V and a host of other less common elements” (OGS OFR 5942, p.32). Within this anomalous zone are 2 target areas where the concentration of Cu and Zn are elevated well above the local background. Target area 1 corresponds with anomalies “F” and “G” in Figure 8, above. “It is characterized by anomalous Cu, Zn and Co and slightly elevated Ni and Cr” (OGS OFR 5942, p.32).

**“Anomaly F: West Muskasenda Lake Area**

This anomaly is defined by: a) lake media: Zn, Cu, S, Pb, Co

b) till: Zn, Cu, Ni, ± Cr, ± Co, ± As

“Occurring in both lake and till media, the anomaly is centred in the southwestern corner of Bartlett Township, 1km west of Muskasenda Lake. The anomaly in the lake is predominately related to base metals and includes 3 small lakes within a 2 km<sup>2</sup> area. Despite the small area, the concentrations in lake sediments are high. The till anomaly is also defined by 3 samples in bedrock dominated terrain” (OGS OFR 5942, p.76).

The anomaly (anomaly F) in lake media is predominantly related to base metals...concentrations in lake sediments are high. The anomaly has a similar elemental association to that of **Anomaly A**. The metal content and distribution of this anomaly has a number of characteristics suggestive of a VMS base metal source. VMS mineralization of this age is commonly associated with iron formation and is analogous to the Geco deposit in the Manitouwadge greenstone belt. (OGS OFR 5942, p.76).

**“Anomaly G: West Muskasenda Lake Area**

This anomaly is defined by: a) lake media: Au, Mo, Hg (water), ± As

b) till: Cu, Co, Hg, ± Ni, ± Zn, ± As

The anomaly in lake media includes up to 5 samples in Muskasenda Lake. The anomaly in till is defined by 4 samples, several of which were collected from cliff tops bordering the lake” (OGS OFR 5942, p.76).



## **Work Performed and Methods Used:**

### Grid Establishment:

Between September 23 and October 16, 2020, a grid was established on the K-39 claim block in the centre part of the property, claims numbers 525418, 525421, 525463 and 525464. The grid is situated in the area covering an isolated airborne electromagnetic anomaly, located in both MEGATEM II and VTEM surveying.

The grid was established by machete cutting and chaining a north-south baseline from GPS control point 476457E/5327455N northward for 0.3 kilometres. East-west long cross lines were then machete cut at 100 m line separations and then a north-south tie line was machete cut. All lines were picketed at 25 m stations and aluminium Bose-tags were used on the 100 meter picketed stations. A magnetic declination of 10 degrees west was used. Line ends and various features were located with a global positioning system (GPS) instrumentation-UTM, NAD 83, zone 17, reference as control points. The GPS instrumentation used was a Garmin GPSmap 62 having an accuracy of 3 m. The grid consists of 2.6 km of total lines, including 0.3 km of baseline, 0.3 km of tie line and 2.0 km of cross lines. Figure 9 indicates the area of grid establishment on the claim block.

### Geological Mapping, Prospecting and Sampling:

The geological mapping, prospecting and sampling programs were completed between September 23 and October 16, 2020 totalling 6 person-days. The work was carried out by Gordon N. Henriksen, P. Geo. and Robert A. Campbell, BSc., prospector, on the area of the newly established grid in the center part of the property. All the outcrop, trench/pit workings, creeks, roads and trails etc. found were located and mapped and all sample sites were tagged with the sample number indicated in permanent marker on ribbon and inscribed on an aluminium Bose-tag.

The mapping, prospecting and sampling were performed to potentially locate the source of the MEGATEM II and VTEM electromagnetic anomalies or to ascertain the potential source of the anomalies. Pace and compass method relative to the grid was used for control in the mapping, prospecting and sampling and all samples were located by GPS NAD 83 Zone 17 co-ordinates.

Samples were tie wrapped, sealed and personally sent by bus to Expert Laboratory in Rouyn-Noranda, Quebec for analyses. Eight fire assays for gold were performed, including 1 standard and 7 rock. All 7 rock samples were also analyzed for Ag, Cu, Zn and Pb. The standard (OREAS 220, 866 ppm) was inserted as a quality control check.

The results of the geological mapping, prospecting and sampling on the K-39 Property are included as a separate file on the Geological Surveying Map, Sheet 1 of 2 and on the Prospecting - Sampling Map, Sheet 2 of 2 in Appendix V at scale of 1:2,000 (included as a separate file).

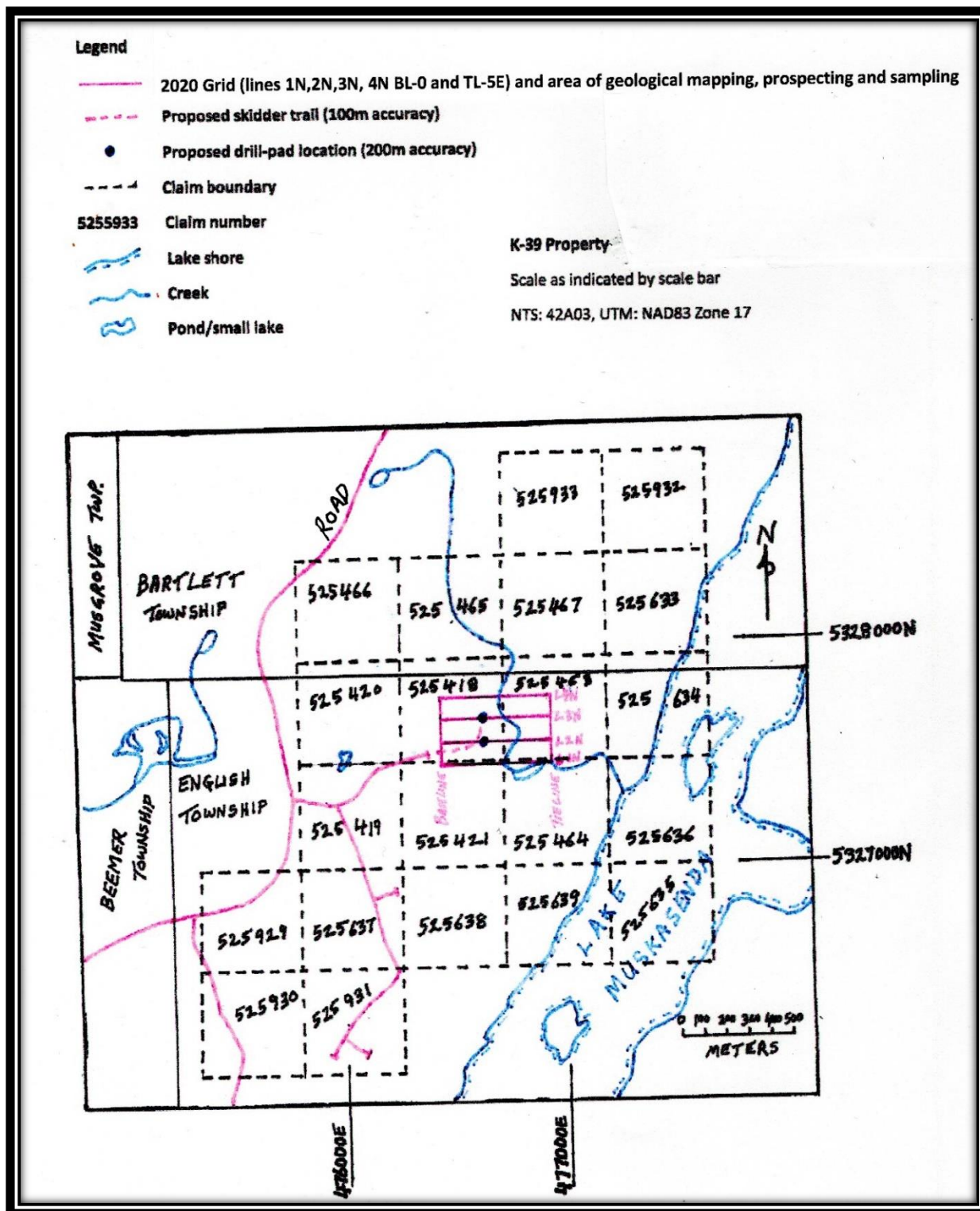


FIGURE 9: Claim map showing area of grid establishment which is also the area of geological mapping, prospecting and sampling.

## Survey Results and Interpretation:

### Geological Mapping, Prospecting and Sampling:

The geological mapping located mafic, intermediate and felsic metavolcanic flows and intermediate intrusive rocks, the west of the creek traversing the central area covered by the grid. The intermediate intrusive outcrops vary from diorite to leucocratic gabbro. The intrusive rocks were encountered in the eastern most exposures in the south-central and central part of the worked area, occurring around a small pond and at the edge of a large patch of swamp. Outcrops of metavolcanics lie immediately west of the intrusive rock and indicate a general northward trending contact crossing the grid. Two bull white quartz veins,  $\leq 0.15$  m wide and striking  $115^\circ$  in diorite, were found at grid co-ordinates 0+90N/2+55E and 0+90N/2+85E.

A northeast trending esker trends northeast, from the east side of the pond at L1N/3+25E through L2N/5E and an open swampy ground lies to the north.

The metavolcanic flows are dominantly intermediate flows, striking  $60^\circ$ NE and dipping  $75^\circ$ SE to subvertical, however in the vicinity of L1N/2+50E the flows strike is  $120^\circ$  and dip subvertical, possibly due to the proximity of the volcanic/intrusive contact. Minor white carbonate alteration occurs in some of the metavolcanic outcrops and magnetite was noted in outcrops between L3N and L4N at about 1+50E. A few outcrops showed pillow/pseudo-pillow structures.

Prospecting led to the discovery of one old trench/pit like working and the collection of 7 mineralized grab samples. The samples were of hackly mineralized rock with  $<1\%$  disseminated sulfides collected from brittle shear zones of widths up to 0.50 m and hosted in metavolcanics. Malachite, chalcopyrite, pyrite and goethite mineralization were noted in sampling and a reddish purple “alteration” was found in sample 13552 is now believed to be very fine-grained sphalerite. This sample (13552) contained 2.61% zinc, 2.5 ppm silver and 0.13% copper.

From the 7 samples collected 5 returned significant to elevated values of metals considered of economic interest. Sample 13552 ran 2.61% zinc, 2.5 ppm silver and 0.13% copper. Sample 13553, considered an elevated result, contained 653 ppm copper. Sample 13554 ran 0.48% copper, 4.2 ppm silver and 77 ppb gold. Sample 13555 returned 1.3 ppm silver and 844 ppm copper and sample 13559 is considered to be elevated in zinc at 366 ppm. These values were obtained from outcrops in the vicinity of the MEGATEM II and VTEM electromagnetic anomaly and compare well with the OGS geochemical anomalous data for this area and suggest a high probability that the source of the electromagnetic anomaly is metallic mineralization with varying amounts of silver, copper, zinc and possibly gold.

The sample descriptions and analysis results are tabulated in the Table-2 below.

**TABLE 2: K-39 Property sample descriptions and analysis results.**

K-39	Property	2020	Rock Sampling	Pg.1 of 1	Analysis				
English	Township	Ontario							
Sample Number	NAD 83 Easting	Zone 17 Northing	Description	Sample Type	Au ppb	Ag ppm	Cu ppm	Zn ppm	Pb ppm
13552	476646	5427440	Intermediate volcanic, sheared, hackly, weak to moderately silicified, reddish purple to reddish alteration, ≤ 5 % disseminated sulfides	Grab O.C.	22	2.5	1310	26100	14
								2.61%	
13553	476672	5327449	Intermediate volcanic, light green blue fresh surface, vesicular-white rimmed and filled with black material, weakly silicified and fractured, minor actinolite alteration, 0.03m seam of 5% disseminated sulfides	Grab O.C.	13	0.3	653	277	7
13554	476739	5327521	Intermediate volcanic, rusty brown weathered surface, medium to dark blue grey fresh surface, hackly-brittle fracturing/shearing, 3 to 5% sulfides as py, >>cpy and trace malachite associated with fractures and as disseminations, trace native Cu?	Grab O.C.	77	4.2	4810	174	7
13555	476718	5327585	Intermediate volcanic, rusty weathered surface, light greyblue fresh surface, hackly texture-brittle shear approx. 0.30m wide, "vuggy" dissolution cavities, 2mm goethite seam as fracture filling, ≤5% sulfides as disseminations and patches associated with fractures	Grab O.C.	26	1.3	844	61	11
13556	476700	5327598	Intermediate volcanic, brown to black weathered surface-goethite, weak brittle shear 0.10m wide, 3 to 4% sulfides py>>cpy	Grab O.C.	16	<0.2	164	240	4
13557	476683	5327598	Intermediate to felsic volcanic, "baked" highly silicified, minor quartz veining as glassy red to yellow to white, trace sulfides	Grab O.C.	5	<0.2	67	28	10
13558			standard (Oreas 220, 0.866ppm Au)	standard	820	<0.2	124	59	10
13559	476652	5327609	Intermediate volcanic, rusty weathered surface, dark grey fresh surface, hackly texture-brittle shear 0.50m wide, rusty "disolution" cavities, ≤3% sulfides as patches and disseminations	Grab O.C.	18	<0.2	167	366	15

The K-39 Property geological mapping, prospecting and sampling results are presented on the Geological Surveying Map, Sheet 1 of 2 and on the Prospecting - Sampling Map, Sheet 2 of 2 in Appendix V at scale of 1:2,000 and are included as a separate file.

## Conclusions and Recommendations

A grid was established in the centre part of the property covering an area of isolated airborne electromagnetic anomalous responses and geological mapping, prospecting and sampling were successfully completed over the gridded area. Metavolcanic flows, dominantly intermediate in composition, striking 60°NE and dipping 75°SE to subvertical are abundant in the western part of the grid and are in contact with intermediate intrusive rocks in the south-central part of the grid. This contact roughly trends north-south.

Two bull white quartz veins,  $\leq 0.15\text{m}$  wide and striking 115°, were found at grid co-ordinates 0+90N/2+55E and 0+90N/2+85E in diorite.

Prospecting led to the discovery of one old trench/pit like working and the collection of 7 mineralized grab samples from brittle shears up to 0.5 m wide. All samples were analyzed for Au, Ag, Cu, Zn, and Pb.

Five of the 7 samples collected, returned significant to elevated values of metals. The highest result obtained in the analysis of each element is, 2.61% zinc, 0.48% copper, 4.2 ppm silver and 77 ppb gold.

The samples were collected from outcrops in the vicinity of the isolated MEGATEM II and VTEM electromagnetic anomalies.

The rock samples containing the Cu and Zn results compare with those of the OGS lake media and till survey anomaly of Cu and Zn for this area.

The results of the geological mapping, prospecting and sampling taken in conjunction with the OGS Cu, Zn lake media and till anomaly data suggest a high probability that the source of the electromagnetic anomaly is metallic mineralization with varying amounts of silver, copper, zinc and possibly gold.

A diamond drill program is recommended to test the electromagnetic anomaly in 2 places. Two 200 m holes are proposed. Collar 1 is located at grid co-ordinates 1+78E/1+57N (GPS co-ordinates 476640E/5327508N) and is planned at a 90° azimuth, a dip of -45° and a depth 200 m. Collar 2 is situated at grid co-ordinates 2+08E/2+25N (GPS co-ordinates 476666E/5327580N), with an azimuth of 90°, a dip of -45° and a depth of 200 m. The holes should be terminated about 5 m after traversing the metavolcanic intrusive rock contact and confirming that the intrusive is not mineralized. The drilling will be slightly down dip, however by drilling eastward the target will have been traversed once the intrusive has been intersected. Drilling from west to east, the drill rig and other equipment will not have to straddle a creek to access the drill site setups, avoiding potential environmental issues.

Respectfully submitted,

Gordon N. Henriksen, P. Geo.



## References

Airborne Magnetic and Electromagnetic Survey, Bartlett Dome Area, April 17, 2007

OGS/GSC: Block 1 (42A03)

Scale 1:50,000

Maps 81982 to 81985

81982/OF5512 to 8198/OF5515

Scale 1:20,000

Maps 81989/OF5519

81991/OF5521

OGS Data Set # 1057 Magnetic and Electromagnetic Data

Grid and Profile Data (ASCII and Geosoft Formats) and Vector Data

NI 43-101 Technical Report-Triple Lake Property, Eastern Ontario, Timmins Area, Timmins Mining Camp, March 2 2011, \Knick Exploration Inc., by Donald Théberge, P. Eng., M.B.A.

Report on the Diamond Drill Program on the CF-1 and CF-2 Properties of the Triple Lake OGS MAP P.3527 Geological Compilation of the Matachewan Area, Abitibi Greenstone Belt (2003)

OGS OFR 5942 New Exploration Targets in the Peterlong Lake-Radisson Lake Area, Southern Abitibi Sub-province; Till, Lake Sediment and Lake Water Sampling Programs, 1996

O.D.M. Geological Compilation Series, Timmins-Kirkland Lake Sheet, Map No. 2205, Cochrane Sudbury and Timiskaming Districts, 1973

by D.R. Pyke, L. D. Ayres and D. G. Innes

Report on a Helicopter-Borne Versatile Time Domain Electromagnetic (VTEM) Geophysical Survey on the Beemer Property for Klondike Silver Corp. by Geotech Ltd. The survey was flown in January-February, 2008 as project 7123 dated March 2008.

USGS Mineral Commodity Summaries, Jan. 2013

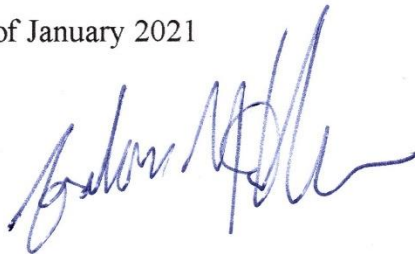
Gordon N. Henriksen  
133, Route 105 Low, Quebec  
Cell: (819) 210-1406

### **CERTIFICATE of AUTHOR**

I, Gordon N. Henriksen, P. Geo., do hereby certify that:

1. I am currently employed as an independent consulting geologist.
2. I graduated with a degree, BSc, Specialization Geology from Concordia University in 1986.
3. I am a Professional Geologist registered in the Province of Quebec (RN #451) with the Order of Professional Geologists of Quebec.
4. I have held an Ontario Prospectors permit for +25 years.
5. I have been employed in my profession for a total of 35 years by various mining companies since graduation and have worked extensively in exploration in Quebec, Ontario, Labrador, B.C., Mexico and Alaska.
6. I have read the definition of “qualified person” set out in the National Instrument 43-101 (NI 43-101) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a “qualified person” for the purpose of NI 43-101.
7. I have a 34% ownership interest in the property that is the subject of this report.
8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical report, the omission to disclose which makes the Technical Report misleading.
9. I have not done an extensive review of all available government files on the history of this property as this is a general assessment report of the work completed between September 23, 2020 and October 16, 2020.

Dated this 8<sup>th</sup> Day of January 2021



Gordon N. Henriksen, P. Geo.



# **APPENDIX I**

## **CERTIFICATES OF ANALYSES**

**\*\*\* Certificate of analysis \*\*\***

Date : 2020/12/16

Page : 1 of 2


**Laboratoire Expert Inc.**

750 A rue Saguenay  
Rouyn-Noranda, Québec  
Canada, J9X 7B5  
Telephone : (819) 762-7100, Fax : (819) 762-7510

Client : <b>G. Henriksen &amp; Associates</b>	Folder : <b>59009</b>
Telephone:	Order number :
Addressee : <b>Gordon Henriksen</b> 133 route 105	No Envoi (Dispatch) :
Low Québec J0X 2C0	Project : <b>K-39</b>
Telephone : (819) 210-1406 Fax : (819) 210-1406	Total number of samples : <b>8</b>

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0,2	Ag-Dup AAT-7 ppm 0,2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
13552	22	26	2,5	2,4	1310	1341	>DL	>DL
13553	13		0,3		653		277	
13554	77		4,2		4810		174	
13555	26		1,3		844		61	
13556	16		<0,2		164		240	
13557	5		<0,2		67		28	
13558	820		<0,2		124		59	
13559	18		<0,2		167		366	

>DL Value greater than detection limit

  
 Joe Landers, Manager

**\*\*\* Certificate of analysis \*\*\***

**Laboratoire Expert Inc.**

750 A rue Saguenay  
Rouyn-Noranda, Québec  
Canada, J9X 7B5  
Telephone : (819) 762-7100, Fax : (819) 762-7510

Date : 2020/12/16
Page : 2 of 2




Client : <b>G. Henriksen &amp; Associates</b>	Folder : <b>59009</b>
Telephone:	Order number :
Adressee : <b>Gordon Henriksen</b> 133 route 105	No Envoi (Dispatch) :
Low Québec J0X 2C0	Project : <b>K-39</b>
Telephone : (819) 210-1406 Fax : (819) 210-1406	Total number of samples : <b>8</b>

<u>Designation</u>	Pb AAT-7 ppm 2	Pb-Dup AAT-7 ppm 2	Zn AAT-8 % 0,010	Zn-Dup AAT-8 % 0,010
13552	14	13	2,610	2,600
13553	7			
13554	7			
13555	11			
13556	11			
13557	4			
13558	10			
13559	15			

# **APPENDIX II**

## **Exploration Permit**

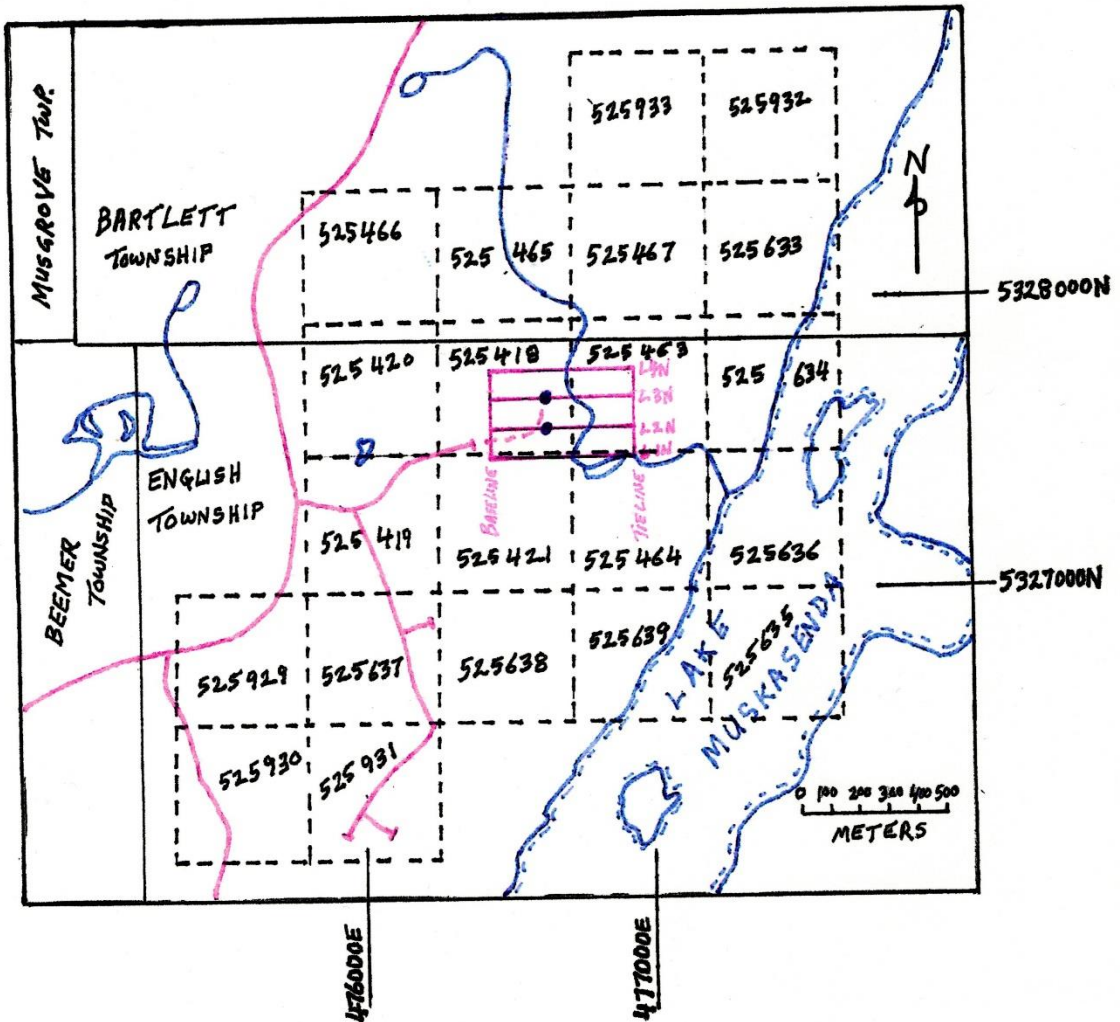
**Legend**

- Proposed grid and ground geophysics requiring a generator (100m accuracy)
- - - Proposed skidder trail (100m accuracy)
- Proposed drill-pad location (200m accuracy)
- - - Claim boundary
- 5255933 Claim number
-  Lake shore
-  Creek
-  Pond/small lake

**K-39 Property-Details of Exploration Project Activities**

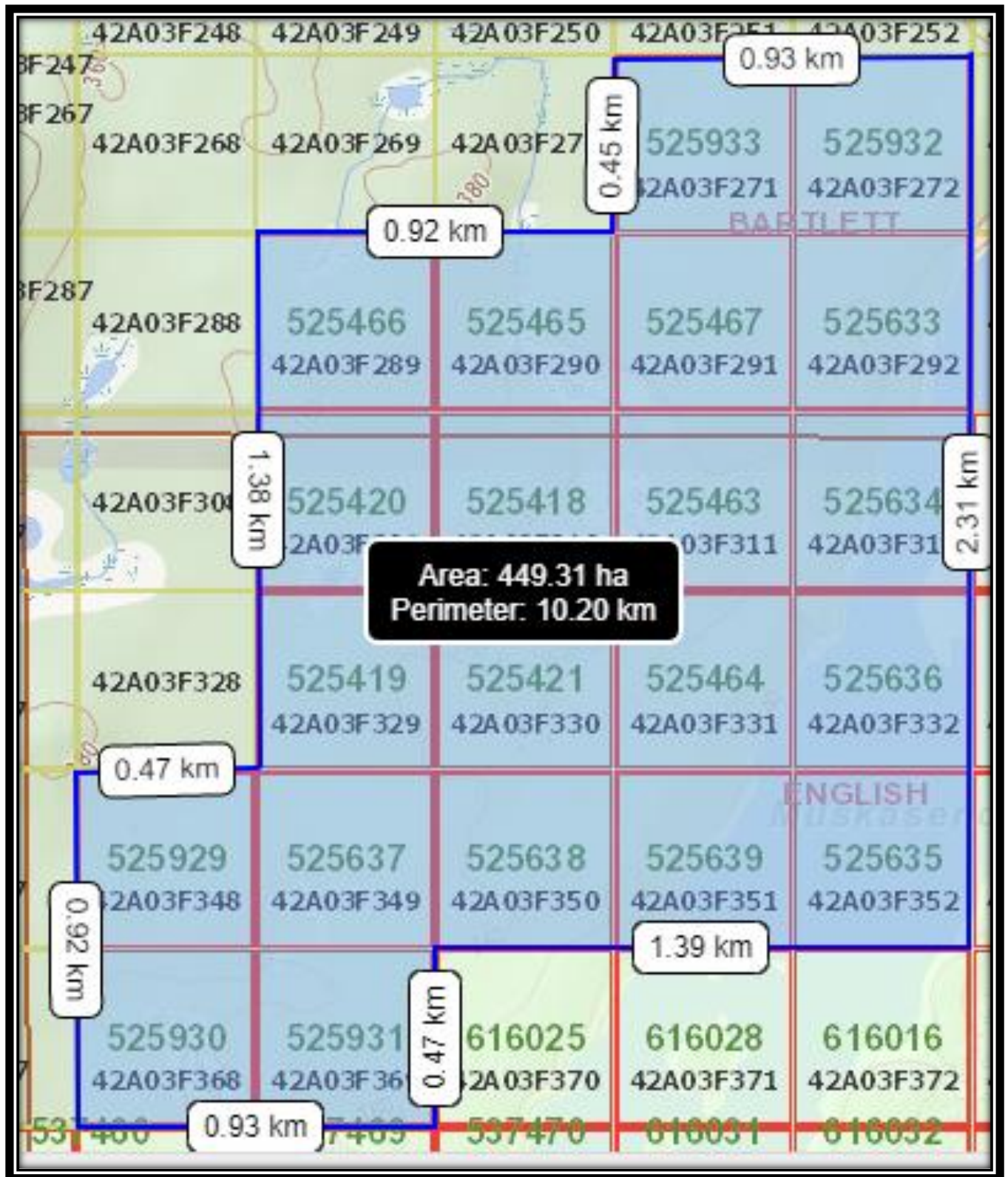
Scale as indicated by scale bar

NTS: 42A03, UTM: NAD83 Zone 17



# **APPENDIX III**

## **CLAIM MAP**



Claim map with K-39 Property perimeter measurements and area, Bartlett and English townships, Ontario (source ODM-MLAS system).

# **APPENDIX IV**

## **DAILY LOGS**



## **2020 Daily Log – Northshore Minerals Inc. K-39 Project (G. Henriksen & R. Campbell)**

**Sept. 24** – Cloudy, 8:05 to 9:10 am drove from motel in Timmins to property. Checked out access to area of the planned cut grid & began prospecting near the boundaries of the grid in claims 525429, 525464, 525463 & 525418. Prospecting showed that a creek flows south through the central part of the area, forming an old beaver pond in the southern part. East of the creek, much of the area is underlain by a swamp, with a glacial feature trending north-northeast & north, east of the swamp. West of the creek, outcrop exposure good. Stopped for a lunch break between 12:30 & 12:50 pm. Left the property at 3:35 pm, arriving back at Timmins at 4:40 pm. No samples were collected & the 2 prospectors completed 2.9 km of traversing.

**Sept. 25.** – Cloudy, left Timmins at 7:55 am, arriving on property at 9 am. Ate a sandwich in the truck and walked to the starting point of the grid at BL0 & L1N. The linecutting was started at 9:35 am. cutting and chaining BL0 & line 4N till 3+50E (claims 525418 & 525463). When it started raining at 3:30 pm, we walked back to the vehicle & drove back to the motel in Timmins, arriving at 5:05 pm.

**Sept. 27** – Rain, remained in Timmins, running errands & picking up groceries, etc.

**Sept. 28** – Cloudy, then rain, left Timmins at 8:10 am, drove to property & walked to starting point for linecutting at BL0 & L1N, and then it started raining at 9:30 am. Returned to vehicle and drove back to Timmins arriving at 11 am. Rain continuing all day, remained in town.

**Oct. 1** – Rain, left motel at 8:10 am & drove to property, hoping it would clear. We waited in the vehicle on the property till 11:30 am, but the rain continued, so we drove back to Timmins, arriving at 12:35 pm.

**Oct. 2** – Cloudy, with showers all day, remained in Timmins.

**Oct. 3** – Cloudy with drizzle and flurries, departed Timmins at 8:15 am. Arrived at property at 9:20 am & then ate lunch in the vehicle till 9:40 am. Cut & chained line 1N from 0 to 5E, on claims 525421 & 525464. The bush was wet so going was slow. Returned to truck by 4:10 pm & drove back to Timmins, arriving at the motel at 5:15 pm.

**Oct. 4** – Cloudy, left Timmins at 8:05 am arriving on property at 9:15 am, then ate lunch in the truck between 9:15 & 9:30 am & proceeded to BL0 at 2N. Cut & chained line 2N till 5E, on claims 525418 & 525463. Walked back to truck & drove back to Timmins, arriving there at 4:50 pm.

**Oct. 5** – Sunny, drove to property from 7:55 to 9:00 am, ate a sandwich in the truck (9-9:20 am) & proceeded to starting point of L3N at BL0. We cut and chained L3N to 5E (claims 525418 & 525463), finishing cutting at 3:20 pm. Then walked back to truck & drove to Timmins, arriving back at the motel at 5:10pm.

**Oct. 6** – Rain, remained in Timmins resupplying.

**Oct. 7** – Cloudy with a few showers, left Timmins at 9:10 am, ate lunch in the truck on the property between 10:15 & 10:30 am. Walked to the east end of line 1N and cut & chained TL 5E to 4N and finished cutting & chaining L 4N from 3+50E to 5E (claims 525418 & 525463). Returned to vehicle & drove back to Timmins, arriving at 5:15 pm.

**Oct. 8** – Cloudy with sunny periods drove to property from 8 to 9:10 am. Started prospecting and geological mapping near L1N, along the northern boundaries of claims 525421 & 525464 (good outcrop exposure). Consumed lunch from 12:15 to 12:35 pm, then prospected east of the creek in the southern part of claim 525463, encountering a steep esker or drumlin. Returned to the western side of the creek and prospected & mapped the good exposures in claims 525463 & 525418, west of the claim line and south of line 2N. Three samples (13552, 13553 & 13554) were collected and 3.86 km of traversing completed. We arrived back at the motel at 5:05 pm.

**Oct. 9** – Snow and rain, drove to property between 8:55 and 10 am. We waited in the truck till 11 am, hoping it would clear. It kept raining & we returned to Timmins, arriving back at the motel at 12:05 pm.

**Oct.10** – Rain and showers, remained in Timmins.

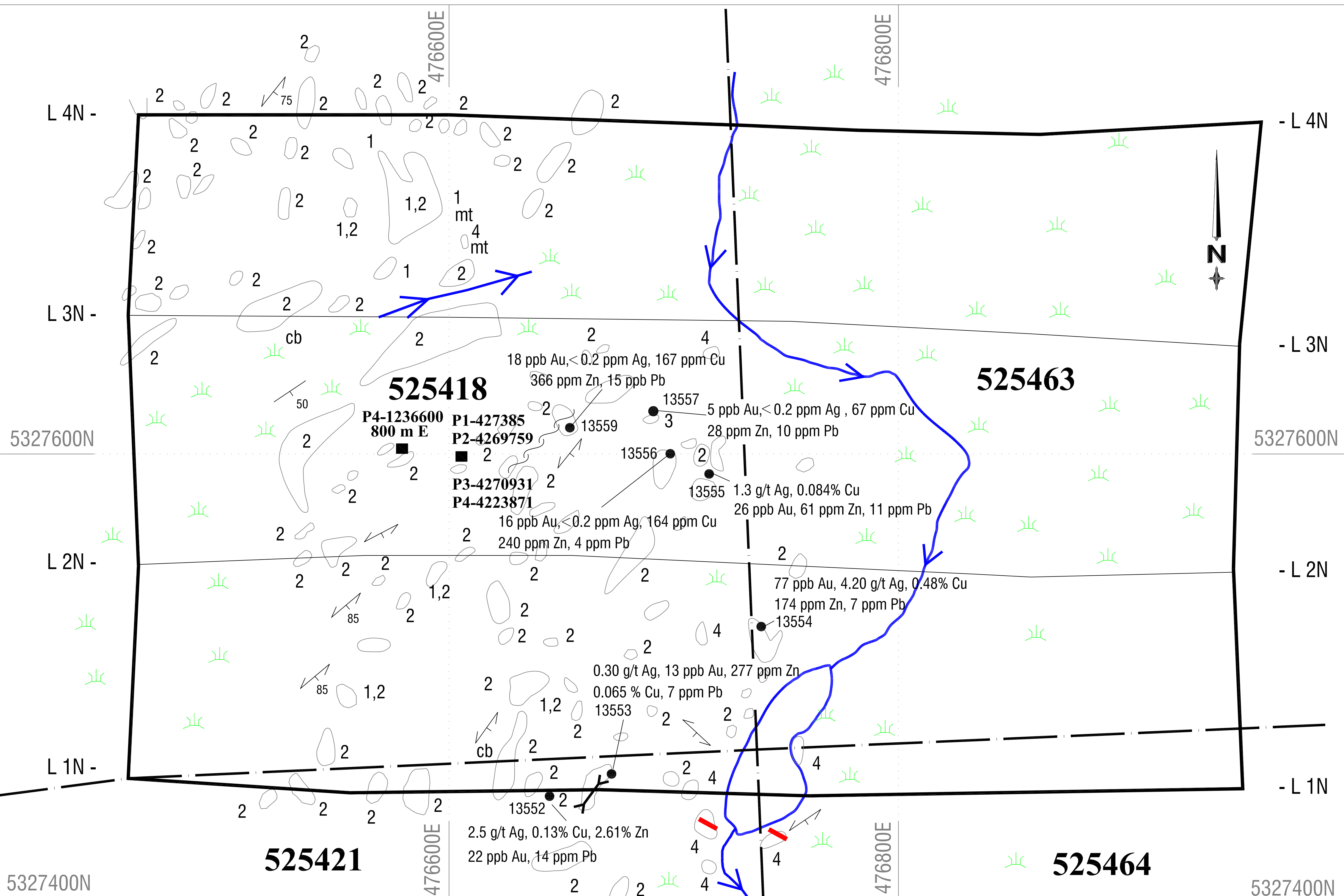
**Oct. 11** – Sunny. departed Timmins at 7:45 am, arriving at the property around 8:50 am. We walked to the grid and started prospecting and mapping north of line 2N, in an area west of the creek, on claim 525418. Ate lunch between 12:05 and 12:25 am then prospected east of the creek on claim 525463, from line 2N to north of line 3N. Crossed over the creek again, prospecting and mapping outcrops near line 4N. Then returned to the vehicle at 3:55 pm and drove to Timmins arriving at 5:05 pm. Outcrop exposure was very good west of the creek. Two samples, 13555 and 13556, were collected in claim 525418 and a total of 3.16 km of traversing was completed.

**Oct. 12** – Sunny. We drove to the property between 8 & 9:10 am. In the morning, we prospected and geological mapped the numerous outcrops west of the creek, between lines 2N and 4N on claim 525418. We ate lunch from 12:15 to 12:35 pm and continued to prospect and map in the same area, until 3:45 pm, when we walked back to the truck. We then drove back to Timmins, arriving there at 5:15 pm. Two samples (13557 & 13558) were collected and 3 km of prospecting traversing was completed.

**Oct. 13** – Checked out of the motel and drove from Timmins to Val-d'or QC.

# **APPENDIX V**

**Geological Surveying Map, Sheet 1 of 2  
and the Prospecting - Sampling Map, Sheet 2 of 2, included as a separate file.**



**LEGEND**

- 4 - Intermediate Intrusive Rocks
- 3 - Felsic Metavolcanic Flows
- 2 - Intermediate Metavolcanic Flows
- 1 - Mafic Metavolcanic Flows

**SYMBOLS**

- Pit-Trench
- Rock Sample Location
- 13554 Sample Number
- 77 ppb Au Au Assay (ppm)
- Outcrop
- Contact
- Quartz Vein - Stringer
- cb Carbonate
- mt Magnetite
- Shear
- Strike & Dip of Flow
- Fracture
- Prospecting Traverse
- Claim Boundary (using MLAS map viewer)
- 525463** Claim Number (using MLAS map viewer)
- Old Claim Post
- Pond , Creek , Swamp

UTM Co-ordinates (NAD 83, Zone 17)

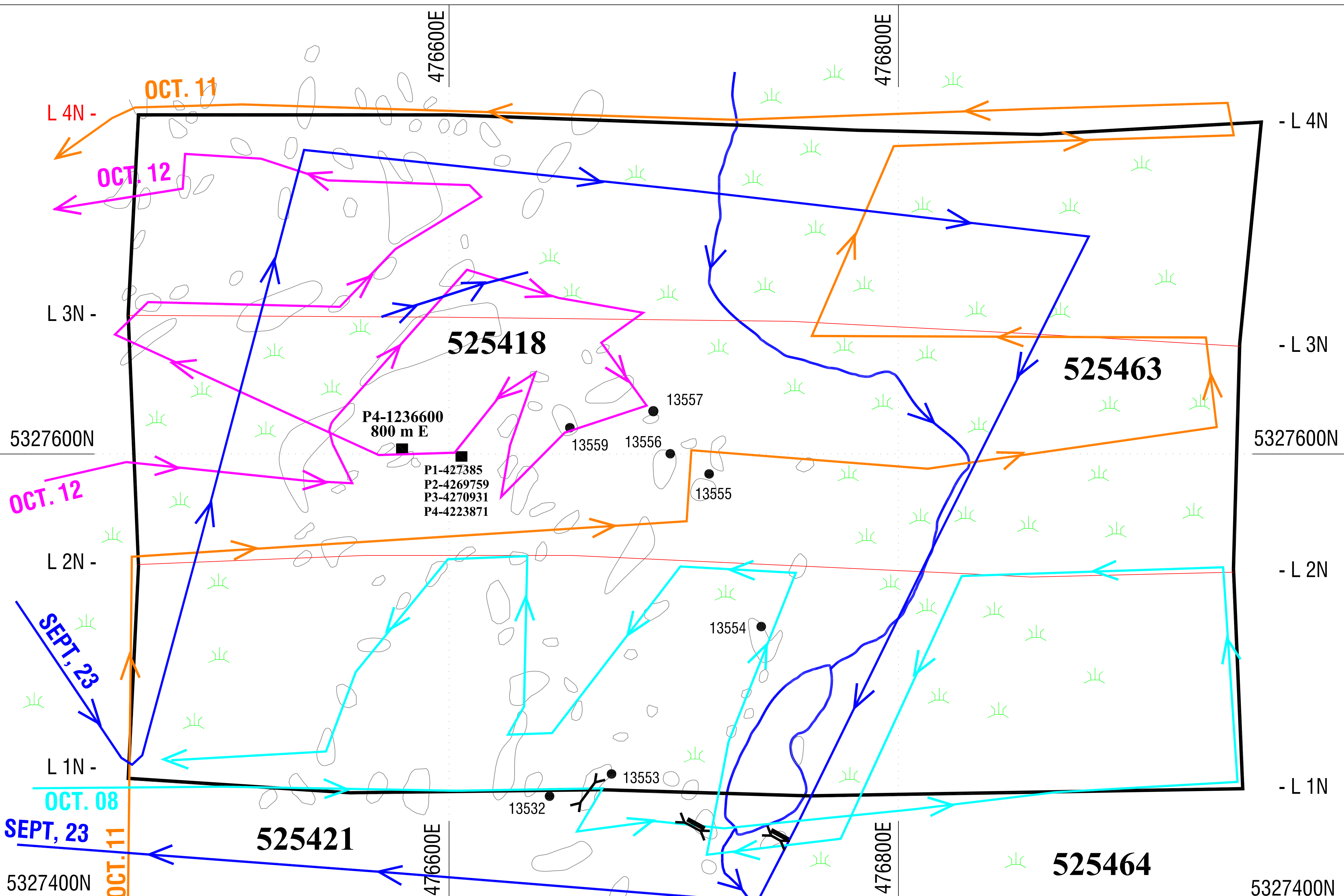


**NORTHSHORE MINERALS INC.**

**K-39 Project  
Geological Surveying Map**

English Twp., ON Sept. - Oct., 2020

Scale 1: 2,000 Sheet 1 of 2



**SYMBOLS**

- Pit-Trench
- Rock Sample Location
- 13554 Sample Number
- 77 ppb Au Au Assay (ppm)
- Outcrop
- Contact
- Quartz Vein Stringer
- Prospecting Traverse
- Claim Boundary (using MLAS map viewer)
- 525463** Claim Number (using MLAS map viewer)
- Old Claim Post
- Pond
- Creek
- Swamp

UTM Co-ordinates (NAD 83, Zone 17)



**NORTHSHORE MINERALS INC.**

**K-39 Project**  
**Prospecting - Sampling Map**

English Twp., ON Sept. - Oct., 2020

Scale 1: 2,000 Sheet 2 of 2