

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](#).

Assessment report for Shillington property

Grassroots Prospecting

May 27, 2022



Matthew Halliday P.Ge
President and VP Exploration

Tanya Gill
Project Geologist

Renata Smoke
Contract Geologist

Canada Silver Cobalt Works
3028 Quadra Court
Coquitlam, BC
V3B 5X6

info@canadasilvercobaltworks.com

Ph: 819-797-4144

Fax: 819-762-2306

Contents

Tables	2
Figures.....	2
Appendix	2
Summary	3
Property description and Access.....	3
Property	3
Access.....	4
Previous work	6
Regional geology	7
Property Geology	9
Other Important Information	9
Daily log.....	9
Assay Results.....	20
Cost spent	21
Recommendations	21
References	22
APPENDIX 1 – Assay Certificate	24
APPENDIX 2 – Laboratory Invoice	29

Tables

Table 1: Cells/Claims Where Work was Done.....	3
Table 2: Daily Log including waypoint information and sample descriptions	10
Table 3: Assay information for field samples.....	20
Table 4: expenditures during project.....	21
Table 5: Assay Cost Breakdown	21

Figures

Figure 1: An overview of the Shillington property and where it lies in relation to local townships; Gowganda, Matachewan, and Elk Lake	4
Figure 2: A closer view of the Shillington claims package with relation to Gowganda, including more detailed road access.....	5
Figure 3: Stratigraphic Column	8
Figure 4: Map showing the traverse location and station waypoint from June 5	15
Figure 5: Map showing the traverse location and station waypoint from June 6	16
Figure 6: Map showing the traverse location and station waypoint from June 7 (1 of 2)	17
Figure 7: Map showing the traverse location and station waypoint from June 7 (2 of 2)	18
Figure 8: Map showing the traverse location and station waypoint from June 8	19

Appendix

Appendix 1: Assay Certificate	24
Appendix 2: Laboratory Invoice	29

Summary

This Prospecting and mapping project was done to test the accuracy of regional geological maps, to find, map, and sample outcrops in order to identify viable exploration targets, and to locate previous working in the area with the help of AMIS. Several trenches and exploration shafts that had not been mined were discovered while mapping and noted accordingly.

Property description and Access

Property

The Property consists of 103 Mining Claims,

545997, 545987, 102074, 116082, 158873, 158874, 158875, 164871, 177702, 260230, 268246, 268247, 297606, 297607, 102073, 116584, 116585, 194266, 213420, 224932, 232229, 280297, 280298, 280934, 327546, 339889, 117206, 145414, 158139, 164170, 203457, 211550, 223600, 259543, 278063, 279601, 279602, 279603, 312647, 326176, 101893, 115947, 158218, 158219, 164242, 204034, 223658, 278150, 326749, 102071, 177700, 231565, 231566, 260225, 314699, 314700, 314701, 326898, 326899, 102070, 116966, 127635, 156923, 156924, 162922, 202740, 210804, 222861, 229625, 229626, 258801, 313413, 313414, 313415, 325468, 100369, 116965, 117020, 144827, 162981, 162982, 162983, 202781, 222931, 222932, 230201, 258846, 276817, 277389, 313466, 313467, 313468, 325522, 325523, 100324, 114954, 202047, 202048, 228943, 288229, 294977, 324785, 100165

Table 1: Cells/Claims Where Work was Done

Township / Area	Tenure ID	Cell ID	Tenure Type	Anniversary Date	Tenure Status	Tenure Percentage	Claim Holder
SHILLINGTON	100165	41P15A163	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	102073	41P15A181	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	102074	41P15B220	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	158873	41P15B240	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	164871	41P15B239	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	177702	41P15A201	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	194266	41P15B179	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	211550	41P15B198	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	223658	41P15A202	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	268246	41P15B219	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	268247	41P15A221	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	280297	41P15B200	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	280298	41P15B199	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	294977	41P15A162	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
SHILLINGTON	297606	41P15B218	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works

SHILLINGTON	339889	41P15B180	Single Cell Mining Claim	2023-05-29	Active	100	Canada Silver Cobalt Works
-------------	--------	-----------	--------------------------	------------	--------	-----	----------------------------

Access

All the claims are in Shillington Township except 545987 in Chown and Shillington and 545997 in Morel and Shillington.

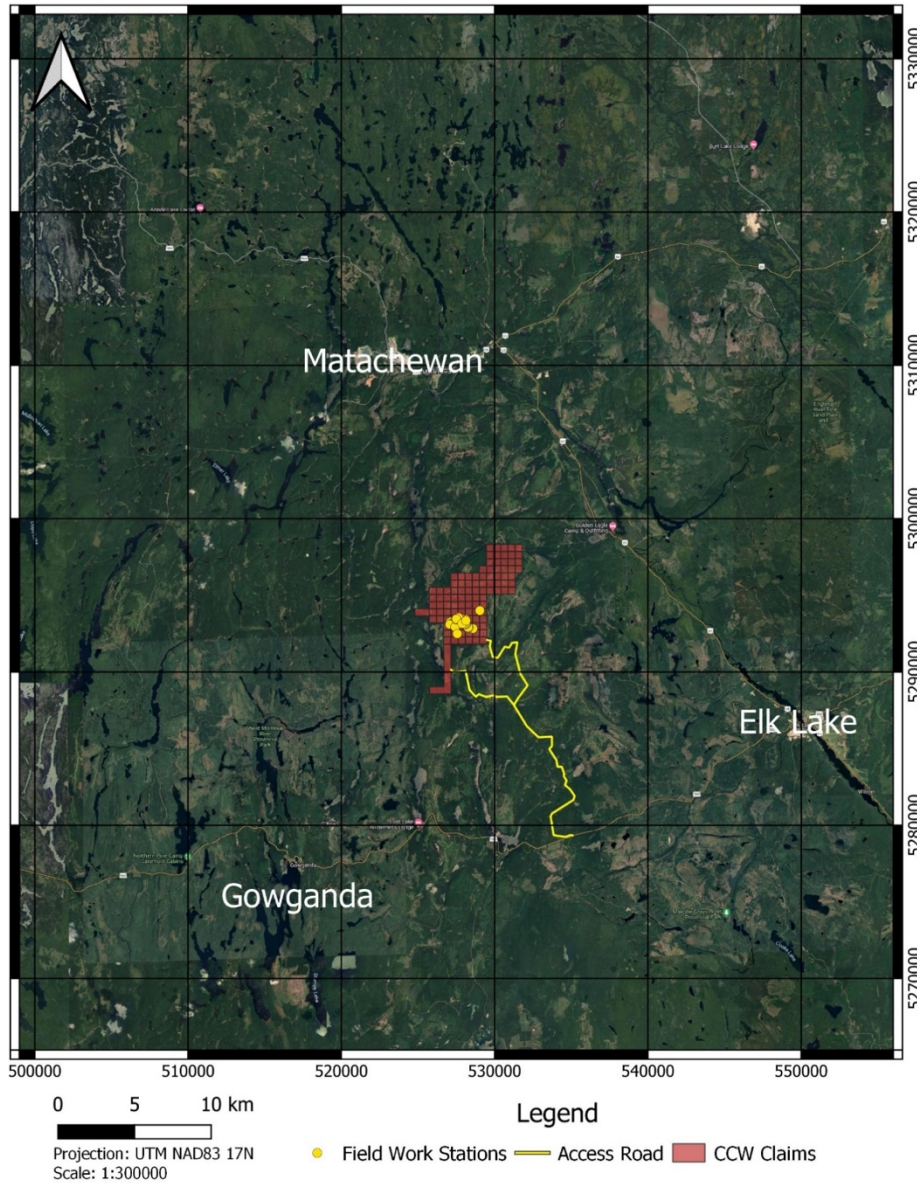


Figure 1: An overview of the Shillington property and where it lies in relation to local townships; Gowganda, Matachewan, and Elk Lake

This property lies approximately 15km south of Matachewan and 20km northeast of Gowganda. The property can be accessed by taking the northern logging road from highway 560 between km markers 125 and 124 and following towards Lavigne Lake.

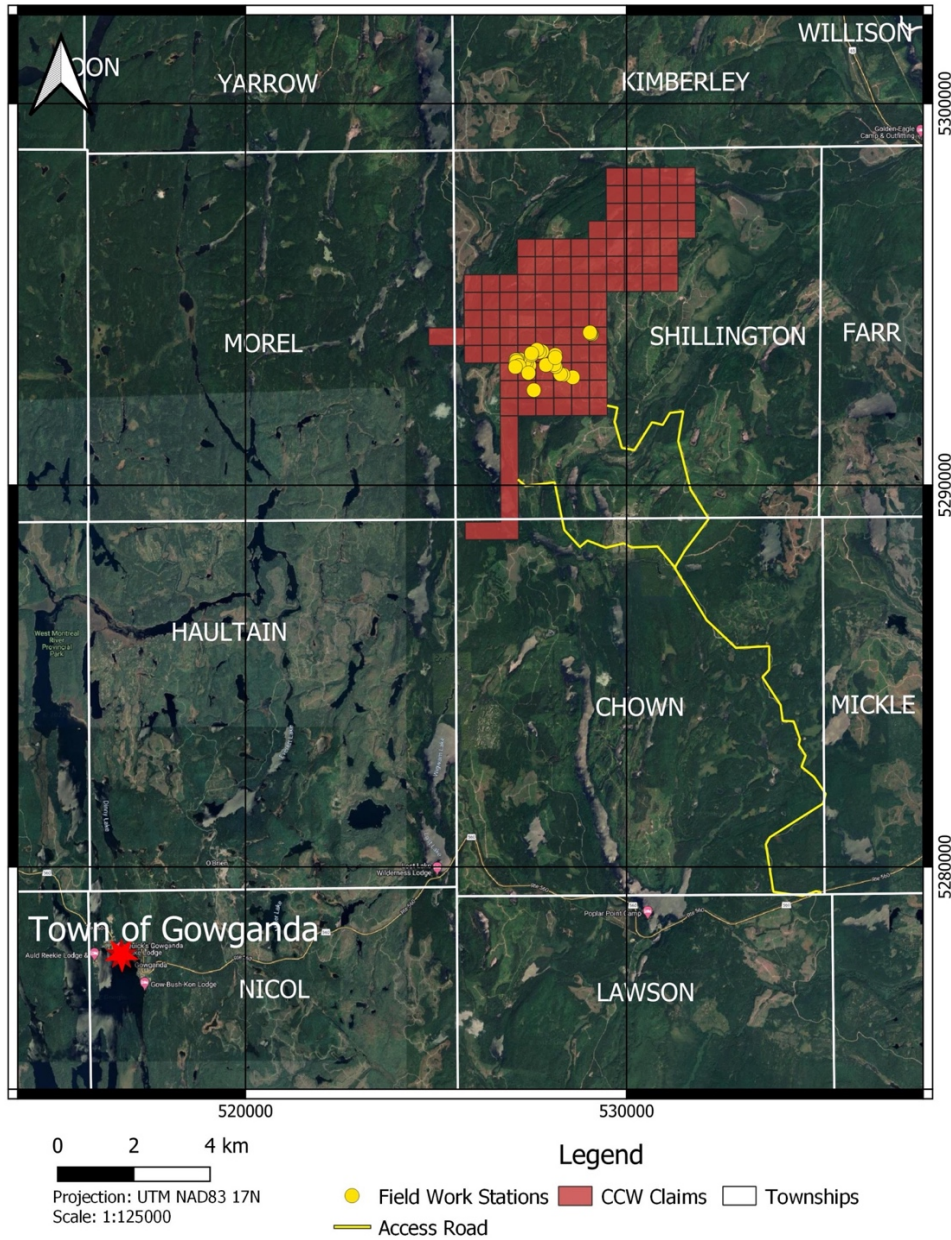


Figure 2: A closer view of the Shillington claims package with relation to Gowganda, including more detailed road access.

For the collection of data on this property, traverses were undertaken while carrying hammers; compasses; maps; basic field gear; rock testing gear including Brunton compass, scribe, magnet, and

protractor; and sample collection gear including bags, sample tags, and zipties. Samples were packaged and bags were zip-tied at the site they were found to avoid cross contamination.

The ground conditions were fairly wet, the snow had only finished melting the week before and the ground was still saturated although dried out substantially over the week of field traverses. Rivers and streams were very swollen and fast when discovered and were frequently unable to be crossed. There was no infrastructure nearby aside from the logging road leading in. The northeastern side of the property was deemed impossible to get to within the timeframe and equipment.

All measurements taken using right hand rule.

Previous work

The Shillington area has been intermittently explored, mined, and mapped by various groups. Some previous workings were still evident on the property.

Chicago-Gowganda Mines mined gold to at least 275ft until 1911. No grade or production was documented. The location of this mine was not quantitatively recorded, and is believed to have been found by the exploration efforts of Keast and Healey in 1999 (Keast & Healey, 1999).

Lavigne Lake Silver Mining Co completed some trenching in 1939, only the trench locations are documented in AMIS (Keast & Healey, 1999).

Stibbard Morrison Mining Syndicate performed some trenching in 1939 in five claims they picked up south of the Chicago mine shaft (Keast & Healey, 1999).

J. Armstrong, a cobalt area prospector, owned a property in the northeast corner of the claim group in 1953, and reported finding 1.8oz of gold over the course of a trenching program (Keast & Healey, 1999).

RW Steedsman, in 1957, worked two claims west of the Chicago mine shaft and sank an exploration shaft. No mineralization was reported aside from chalcopyrite (Keast & Healey, 1999).

In 1963, Solid Silver Mines LTD performed a geological survey about 2km west of Lavigne Lake, and found Nipissing diabase but no other evidence of silver on the property. The area was considered favourable for silver mineralization (Howe, 1963).

In 1997 the claim package was acquired by Todd Keast and Dave Healey and for which they received an OPAP grant. The report, which was submitted in 1999, covers the area which was thoroughly mapped and prospected (Keast & Healey, 1999).

In 2001 Geochemical sampling was performed by John P Rapski (Rapski, 2002).

In 2005 Golden Chalice commissioned Drilling and geophysics. The drill program consisted of 38 holes throughout the Shillington claims (Clearview Geophysics, 2005) (Caldbeck, 2007).

Golden Chalice followed up with VTEM and magnetometer surveys in 2007 (Geotech Limited, 2007) (Robinson, 2007) (Larder Geophysics, 2008).

In 2011 Creso Exploration commissioned Geophysical surveys (Noan, 2011) .

Regional geology

Shillington lies just north of the Cobalt embayment, 15km south of the Cadillac - Larder Lake Break. There are several deposits known to be associated with porphyritic intrusions through the area (Howe, 1963), with the most famous being the Young-Davidson deposit which is projected to produce over 185,000oz over 2022 (Northern News Staff, 2022).

The area is overlain by Cobalt Group sediments (including silty Huronian sediment, which was noted in the daily log for station 606T3) which have been largely weathered away due to prolonged periods of glaciation, leaving behind windows of weakly metamorphosed Archean volcanic rock visible underneath. These windows have been noted as far back as 1913, and similar texts also note syenite intrusions and diabase dykes (Keast & Healey, 1999).

According to the current Ontario Geological Survey map, much of the surface geology is made up of sediments such as conglomerates and argillites. There are at least two separate events of dyke swarms cross cutting the area, one east-west trending swarm and one northwest-southeast trending swarm.

- CENEZOIC
 - QUATERNARY
 - RECENT
 - Swamp, lake, stream deposits
 - PLEISTOCENE
 - Glacial deposits
 - UNCONFORMITY**
- PRECAMBRIAN**
 - LATE PRECAMBRIAN (?)
 - MAFIC INTRUSIVE ROCKS
 - Olivine diabase, porphyritic olivine diabase, diabase
 - INTRUSIVE CONTACT**
 - MIDDLE PRECAMBRIAN (APHEBIAN)
 - MAFIC INTRUSIVE ROCKS (NIPISSING DIABASE)
 - Pyroxene gabbro, amphibole gabbro, granophyre
 - INTRUSIVE CONTACT**
 - HURONIAN SUPERGROUP
 - COBALT CROUP
 - Lorrain Formation
 - Micaceous sandstone, feldspathic sandstone, greywacke, quartzose sandstone, ferruginous sandstone conglomerate
 - Gowganda Formation
 - Firstbrook Member
 - Laminated argillite, quartzite
 - Coleman Member
 - Feldspathic greywacke, feldspathic sandstone, arkose, conglomerate, ferruginous sandstone, breccia, argillite, siltstone, protoquartzite, lithic greywacke
 - UNCONFORMITY**
 - EARLY PRECAMBRIAN
 - MAFIC INTRUSIVE ROCKS (MATACHEWAN DIABASE)
 - Diabase, porphyritic diabase
 - INTRUSIVE CONTACT**
 - FELSIC INTRUSIVE ROCKS
 - Trondhjemite, porphyritic trondhjemite, quartz diorite, syenodiorite, contaminated zone, pegmatite dikes, feldspar porphyry dikes
 - INTRUSIVE CONTACT**
 - MAFIC AND ULTRAMAFIC INTRUSIVE ROCKS
 - Metagabbro, serpentized dunite
 - INTRUSIVE CONTACT**
 - FELSIC METAVOLCANICS
 - Dacite, porphyritic dacite, tuff
 - MAFIC TO INTERMEDIATE METAVOLCANICS
 - Basalt, andesite, amphibolite, layered amphibolite, gabbroic flows, amygdaloidal basalt pillow lava, pyroclastic rocks, andesite porphyry, schists, sedimentary rocks

*After McIlwaine 1978

Figure 3: Stratigraphic Column

Property Geology

According to previous geological maps and reports, the Shillington claim package exhibits Archean lode gold deposits (Keast & Healey, 1999). As this claim package exists only a few kilometers south of the Cadillac - Larder Lake Break, and with reports of quartz stockwork veins running through the porphyries, it is likely that a number of fault-driven porphyritic intrusions exist within the property.

Our own mapping is similar to the OGS maps of the area but not entirely consistent. The western extent of the property appears largely volcanic. An unconformity was noted at 606T2 showing some very strongly weathered sediments along the top of an outcrop, and exposed basalt underneath. The eastern edge of the property is largely coarse-grained, well-weathered pyroxenite ultramafic rocks with very little visible mineralization. The northern extent mapped was largely weakly metamorphosed mafic volcanic with fine-grained sulphides disseminated throughout the rock, with 1-3% sulphide-bearing quartz stockwork veins, and pervasive, weak chlorite alteration throughout. Quartz veins found throughout the property usually trended northwest-southeast.

Other Important Information

Important notes regarding the collection of data for this prospecting work:

- a) Equipment used: hammers, compass, maps, basic field gear, and clothing.
- b) Ground conditions: mostly dry with local patches of mud and swampy areas. Mixed forests of pine, birch, and poplar trees.
- c) No cultural features to interfere with sampling or measurements.
- d) Physicals samples taken and right-hand rule used for geological measurements.
- e) A total of 25 samples were taken on the Shillington property during this expedition, all of them were sent to Swastika Labs for analysis and were assayed for Au, Ag, Ni, Co, Zn, Cu, and Pb. One blank and one standard were inserted for a total of 27 samples sent to lab.

Daily log

The field work was completed by Renata Smoke and Tanya Gill.

The field portion of the project took place from June 4th, 2020 to June 08th, 2020. The first day was spent reading through the historical documents, technical reports, and maps; and becoming familiarized with the area. The field work ran from June 5th to June 8th.

Stations were taken at every point of interest we found or intercepted while mapping. Our naming convention for the points was MDD-Station description and number. Stations were denoted with S, Trenches with a T, workings with a W, Drill collars with DC.

Table 2: Daily Log including waypoint information and sample descriptions

Date	Station number	Easting	Northing	Sample Number	Field Notes
6-05-2020	605S0	527569	5292492		Sunny traverse through marsh and pine. On map, labelled as Elaine's point. Tried to go to it but it's in the middle of a lake with no outcrop close, only overburden and lake.
6-05-2020	605S1	528590	5292829		Outcrop in clearing with trench next to legacy claim post 3: 4286687.
6-05-2020	605S1	528590	5292829	14433	Medium grained (3-4mm) with small pods with coarse grained. 35% potassium feldspar 10% quartz 40% green blk amphibole 15% magnetite. Interlocking texture.
6-05-2020	605S1	528590	5292829		Large outcrop 5m to West of 0605S1. 1-3cm thick sulphide vein. 20% pyrite and chalcopyrite intergrown in calcite. Magnetic in places. Shows Fe and Cu oxidization on weathered surface. Host rock is granite previously described in station 1. Parallel quartz vein has crustiform texture. No apparent mineralization. Trench is East-West. Multiple veins dominantly East-West trending (approximately 105) and sub-vertical. Sulfide veins 1-2cm thick crosscut by coxcomb white quartz up to 13cm and undulating. Veins offsets show sinistral movement. Host rock is medium grained (2-4mm) equigranular. 45% grain amphibole 35% feldspar 20% pyrite, non-mag. Splashed of bright pink alteration similar to what is seen in trench near Bab's lake.
6-05-2020	605S1	528590	5292829	14409	Sample is of pyrite and chalcopyrite sulphide vein described above
6-05-2020	605S2	528329	5292900	14410	Same rock type as previous with fault defined by outcrop face/strong jointing
6-05-2020	605S3	528268	5292910		Boulder 1x1 meter. Overall text is medium grained (3-4mm) with irregular pods of pegmatitic gabbro (Hornblende and Feldspar). Rock is green with pervasive actin and amphibole alteration. Quartz pods associated with pegmatite.
6-05-2020	605S3	528268	5292910	14411	Sample is from quartz pegmatite described above. 3% 1-3mm pyrite and bright blue (fuchsite or chrysocolla) small fine-grained patches. Pyrite occurs as inclusions in quartz.
6-05-2020	605W2	528135	5293116		1.5x1.5m vertical shaft lined with timber. Can't see bottom at least 10m. Large rubble piled around it. Rubble pile is composed of hornblende syenite: dark crystalline medium grained (1-3mm) non-magnetic with intergrown amphibole pyroxene and plagioclase.

6-05-2020	605S4	528135	5293116	14413	Sample is from medium grained diorite with calcite veins. 10% veins .5-1cm thick with rare silver fine grained sulphide.
6-05-2020	605S4	528135	5293116	14412	Medium grained diabase 2-20% quartz veining in samples. Some chlorite alteration along margin. 1% pyrite in vein .5-2cm thick.
6-05-2020	605W2	528049	5293196	14414	1.5x1m vertical shaft filler by water. Similar waste rock as previous (diabase weak magnetism).
6-05-2020	605W3	528104	5293166	14415	Filled in 1.5X2m shaft. Some waste rock with trace quartz veins similar to W1. 2cm thick white quartz vein with chlorite rimming and black fine-grained minerals throughout rusty iridescent coating on quartz associated with pyrite (sparse). Trace fine grained copper-colored spots.
6-05-2020	605W4	528104	5293166		20m trench. Filled with overburden. Runs north-south. Granite and Diabase rubble. Biotite granite (fabric defined by biotite).
6-05-2020	605W5	527982	5293110		Large pit. Didn't hit outcrop.
6-05-2020	605W5	527887	5293152		trench at base of diabase outcrop
6-05-2020	605S5	528131	5293347		Unknown veins with chlorite and er alteration at margins, Too flat to sample.
6-06-2020	606S1	528018	5293181		Cloudy with smaller underbrush poplar and pines. In and out of marshy areas. Rock outcrop is composed of an olive green clinopyroxene porphyritic granite. Numerous chlorite veins and one section with faulting (broken and jointed rock) quartz veins. This zone is 30 cms wide. Veins are .5-1cm thick.
6-06-2020	606S1	528018	5293181	14416	chip sample across vein and fault zone. Could only get very little bit of the vein (<5% of total sample).
6-06-2020	6006T1	528130	5293415		8m long 3 ft deep covered in overburden
6-06-2020	606DC1	527784	5293503		drill collar and pad
6-06-2020	606S2	527677	5293501	14417	Large rubble pile with slight filled depression (shaft?). Rubble is dominantly rhyolite. 2m away 12X10m 6m deep pit. Likely tried to find outcrop and didn't hit. Looks like glacial till with sand and rounded and angular unsorted rubble. Rhyolite is aphanitic pink with 20% .2mm quartz phenocrysts. .2-8cm thick quartz veins. Blebs of angular anhedral chalcopryrite disseminated and black irregular discoloration and chlorite at the margin. Middle of veins is euhedral quartz (coxcumb). Further from shaft rock color changes from pink to green and weak magnetism.
6-06-2020	606S3	527694	5293516		Outcrop of ultramafic. 40% 1-2mm pyroxene 40% 1mm olivine 20% <1mm intergranular plagioclase. Weak mag dark green.
6-06-2020	606T2	527711	5293497	14418	Trenches. 5m long 3ft deep at 60 degrees 2nd with same description at 90 degrees. Float of rhyolite and 1

					piece of hydrothermal quartz breccia with angular clasts of green rhyolite and ultramafic described previously. White quartz cement with fine grained black disseminated sulfides and chlorite in cracks. Rare spot of iridescent purple (chalcopyrite).
6-06-2020	606S4	527651	5293549		Same ultramafic as 606S2
6-06-2020	606T3 Start	527503	5293414	14421	Large washed outcrop. Runs North-south 30m long. From south to north starts in bedded Ss to pink and grey silty sediment. Several quartz veins 2-4cm thick crosscut at 28/88 and show sinistral steps. (pic). This transitions abruptly to dark grey more homogenous unit with weak bedding (unconformable sediment stratigraphy). Quartz veining intensifies to breccia withered ox on surface (20/subvertical). Quartz is white to grey at margins. Sulfide content in quartz veins increases to the North of washed trench. Dominant vein orientation is 280/subvert with splays off this. At end of trench massive aphanitic magnetic possible basalt unit with sparse quartz veins. Coxcomb text and ox in thicker veins in massive basaltic rock. Only one sample collected. Need to bring saw. Trench start is 606T3 start end is 606T3 end
6-06-2020	606T3 End	527508	5293457	14434	See above
6-07-2020	607S1	529086	5293958		Traverse was mostly on road. Pine/conifer. Large outcrop of clinopyroxene phyric granite. 3-4mm subhedral greenish blue grey pyroxene with fine grained gm of feldspar and quartz (too fine to see). To the South hornfels. Sample is of 10cm quartz vein with euhedral quartz in core. No SX just taking just in case.
6-07-2020	607W1	529086	5293958		1x1m vertical shaft that bends toward 250 degrees. Can only see 3m down filled with water and ice. On the side of outcrop. Possible fault at 258/80 defined by fracture alignment.
6-07-2020	607W1	529086	5293958	14419	Sample is from waste rock near shaft entrance. 30 cm piece of quartz calcite vein with intense chlorite alteration of clinopyroxene porphyritic granite. Calcite is pegmatitic with sparse peach altered zones. Quartz is anhedral and clear. <2% pyrite. Rare muscovite masses.
6-07-2020	607W1	529086	5293958	14422	Sample is from dominant waste rock. 90% 2-5mm interlock dark green amphibole 10% chlorite. Original rock no longer discernible. Maybe pseudomorphs of clinopyroxene? Trace Pyrite.
6-07-2020	607S2	529067	5293974		Amphibolite with 240/90 joints
6-07-2020	607S3	529052	5293978	14423	Quartz vein in clinopyroxene porphyry. 20cm thick vein

6-07-2020	607S4	529042	5294004		Strong lineation defined by amphibole mineral formation. Slicks/mineral lineation. Mineral is blue grey.
6-07-2020	607W2	527429	5292942		1.5x1m shaft filled in with water near drill pad. Outcrop adjacent is pyroxene porphyritic with intergranular plagioclase. Pyroxene is olive green 3-4mm and plagioclase is fine graine. 2% magnetite.
6-07-2020	607W2	527429	5292942	14425	dominant rock type of waste rock is diorite. clinopyroxene porphyry with plagioclase gm. Altered to amphibole/chlorite and up to 4% pyrite and chalcopryite
6-07-2020	607W2	527429	5292942	14424	quartz vein in above. 4cm thick. Pink fine grained alteration of host rock associated with vein. Vein is banded (dark grey bands) with a euhedral core with fine grained disseminated pyrite and chalcopryite blebs.
6-08-2020	608S1	527448	5293138	14426	Quartz breccia stockwork. White quartz cemented mosaic bx. Rare pyrite cubes. Traceable for 10m in outcrop. Trending 270/80. 4m thick. Dominant vein orientation is 270/80. Rock host is likely silicified and possible potassic altered porphyry fine grained gabbro or diabase with chlorite alteration. Sample is of quartz stockwork with Pyrite.
6-08-2020	608W1	527371	5293208	14427	5X4m shaft in outcrop filled in by water. Looks like it's in quartz stockwork. Outcrop is chlorite and silicified diabase. Rubble waste rock is ss with quartz stockwork and possible syenite w stockwork. Sample taken is quartz stockwork through sediments. 10% chlorite veins 50% quartz veins. Breccia rock is .5-6cm angular clasts 10% pyrite and chalcopryite in vein.
6-08-2020	608S4	527323	5293243	14428	Many Stockwork boulders in area with ss clasts. From angular boulder with red ox staining and Cu oxidation in sparse zones.
6-08-2020	608DC1	527194	5293294		drill collar 10/53. Rubble pile surrounding of dark green aphanitic volcanic rock. With trace pyrite and magnetite
6-08-2020	608S7	527128	529291		large outcrop of dark green volcanic (basalt). Quartz stockwork starts here. Dominant veining is 250/5
6-08-2020	608S8	527101	5293285		Outcrop of diamictite with tension veins of quartz (photo). 83/90
6-08-2020	608DC3	527096	5293239		cant find working. DC is 359/61
6-08-2020	608S9	527121	5293245		Outcrop of diamictite. No veins.
6-08-2020	608DC4	527177	5293135		rusty Drill collar (no blue) with 10 old pails and several old shovels. Drill collar is 353/47 Surface outcrop is diamictite
6-08-2020	608W2	527161	5293110		Outcrop is diamictite. Rusty grey with pink clasts. Rusty on surface with 1-2% sulphide mineralization. Shaft is

					in outcrop and filled by water. Lots of waste rock of same type as outcrop. Quartz veining at the surface is almost stockwork with mosaic bx. Chalcopryite and pyrite quartz veining throughout. Dominant veins are at 250/80. Waste rock includes massive sulphides and sulphide with quartz veins. Highly variable.
6-08-2020	608W2	527161	5293110	14429	Sample is of quartz breccia with 40% pyrite with dusty blue coating. Quartz is anhedral and pinkish from ox.
6-08-2020	608W2	527161	5293110	14435	Massive pyrite (65% pyrite) in anhedral masses with quartz
6-08-2020	608W2	527161	5293110	14431	vein with layered pink quartz and pyrite with fine grey disseminations. 30% pyrite 0% quartz.
6-08-2020	608W2	527161	5293110	14432	irregular chalcopryite and pyrite masses with dusty blue coating with quartz and abundant aphanitic grey and purple stringers
6-08-2020	608S11	52083	5293101		Diamictite, no veining.

Note: sample 14420 was inserted as a blank and sample 14430 was inserted as a standard OREAS 77a

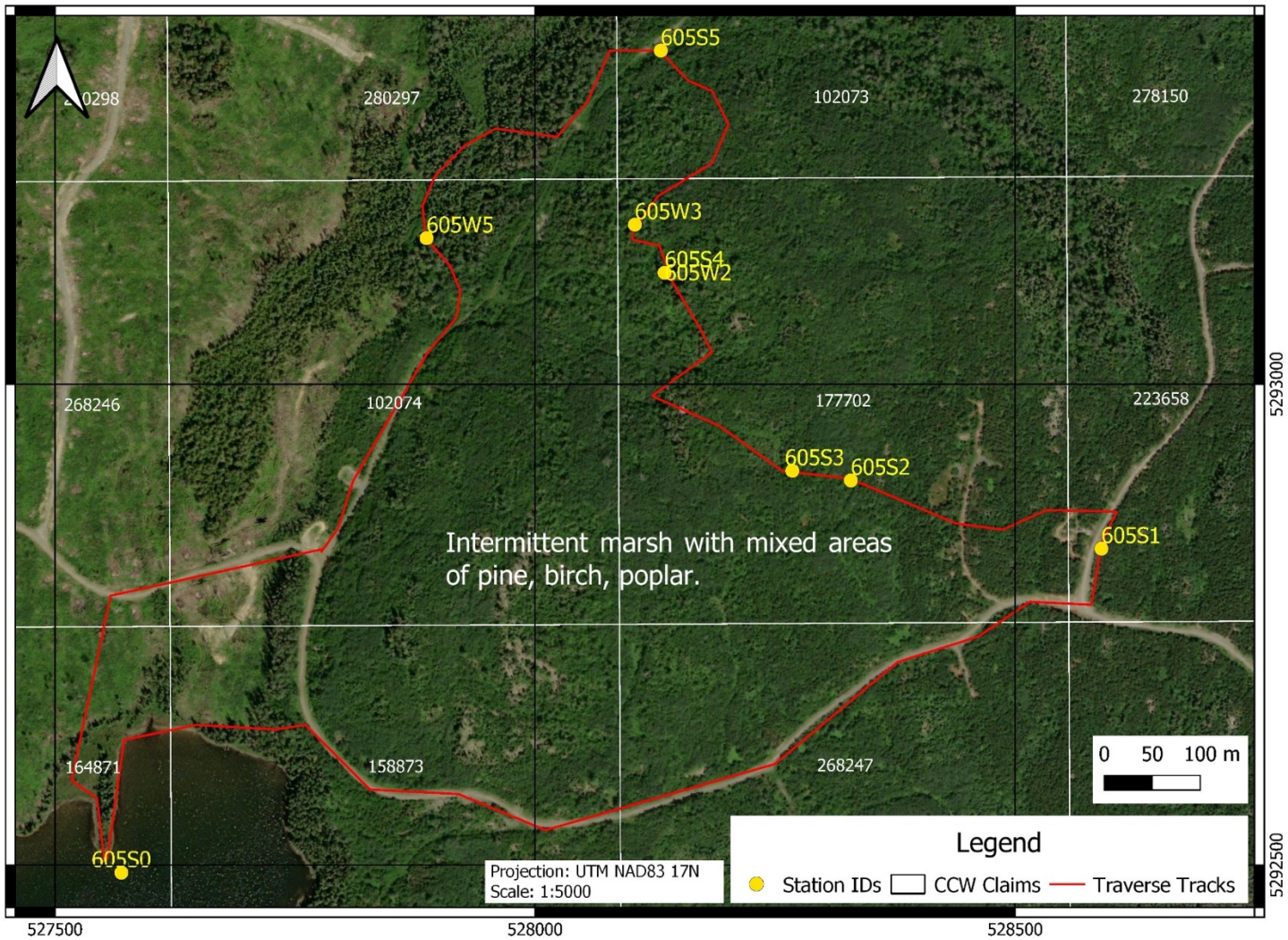


Figure 4: Map showing the traverse location and station waypoint from June 5

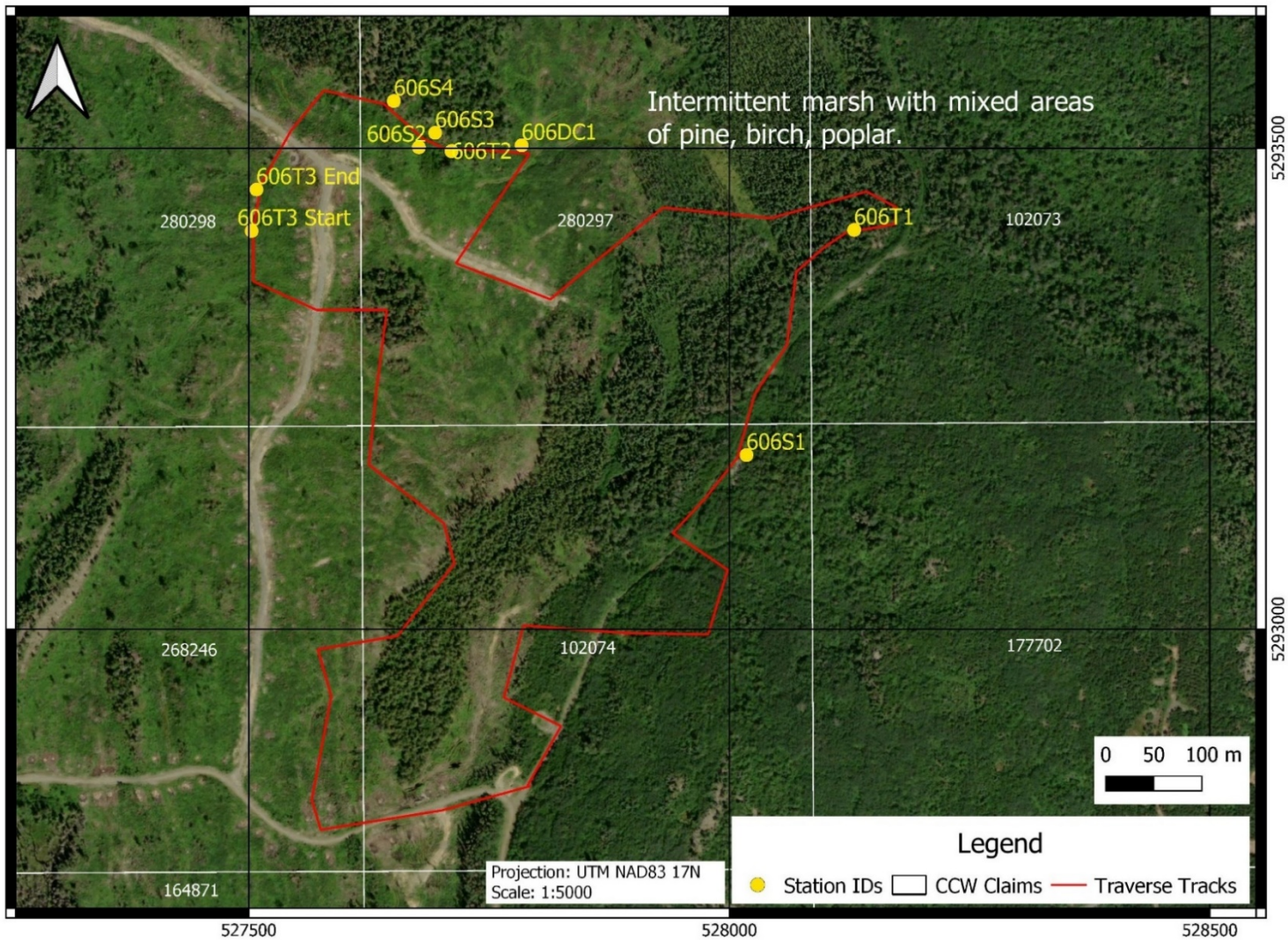


Figure 5: Map showing the traverse location and station waypoint from June 6

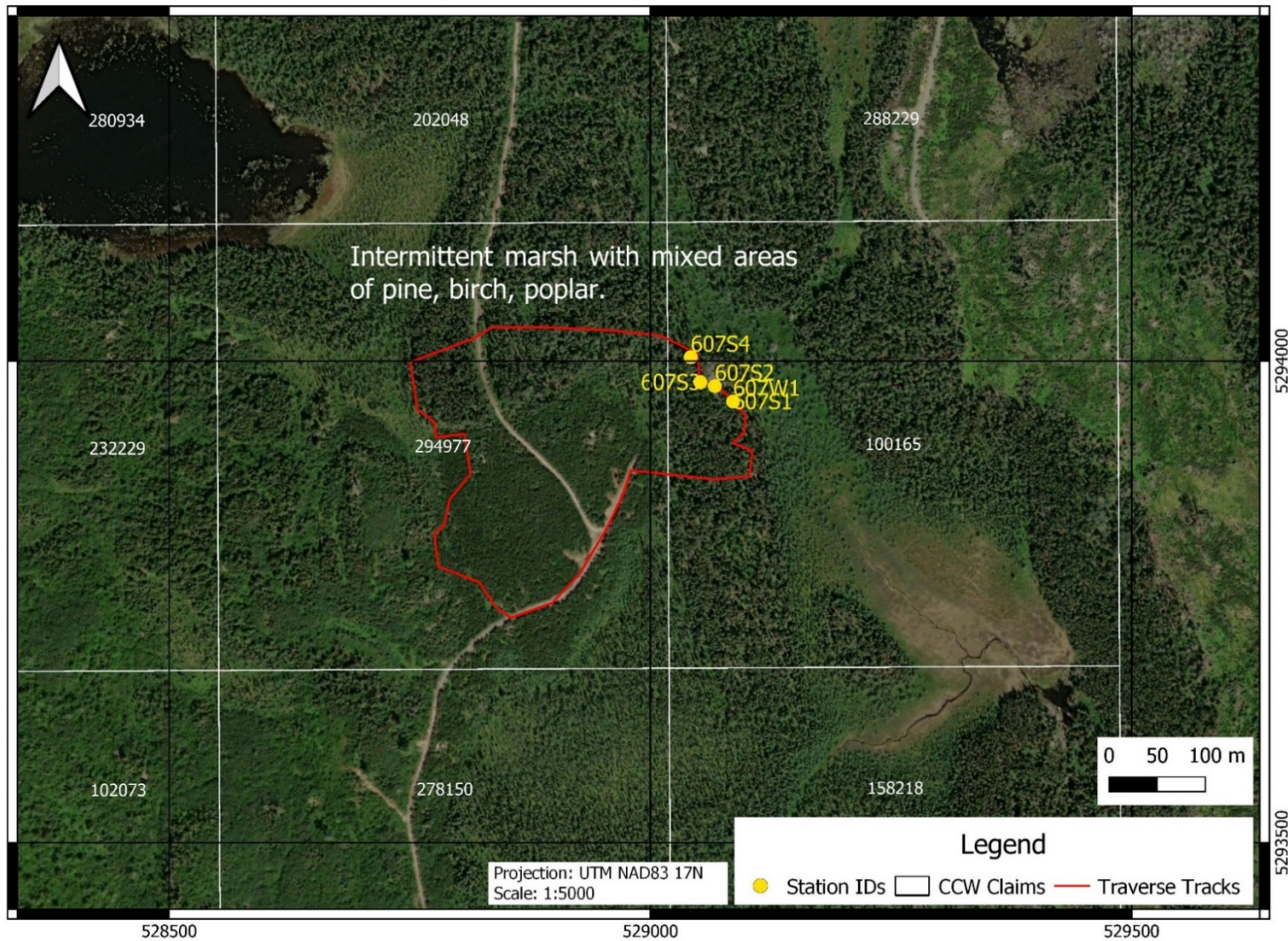


Figure 6: Map showing the traverse location and station waypoint from June 7 (1 of 2)

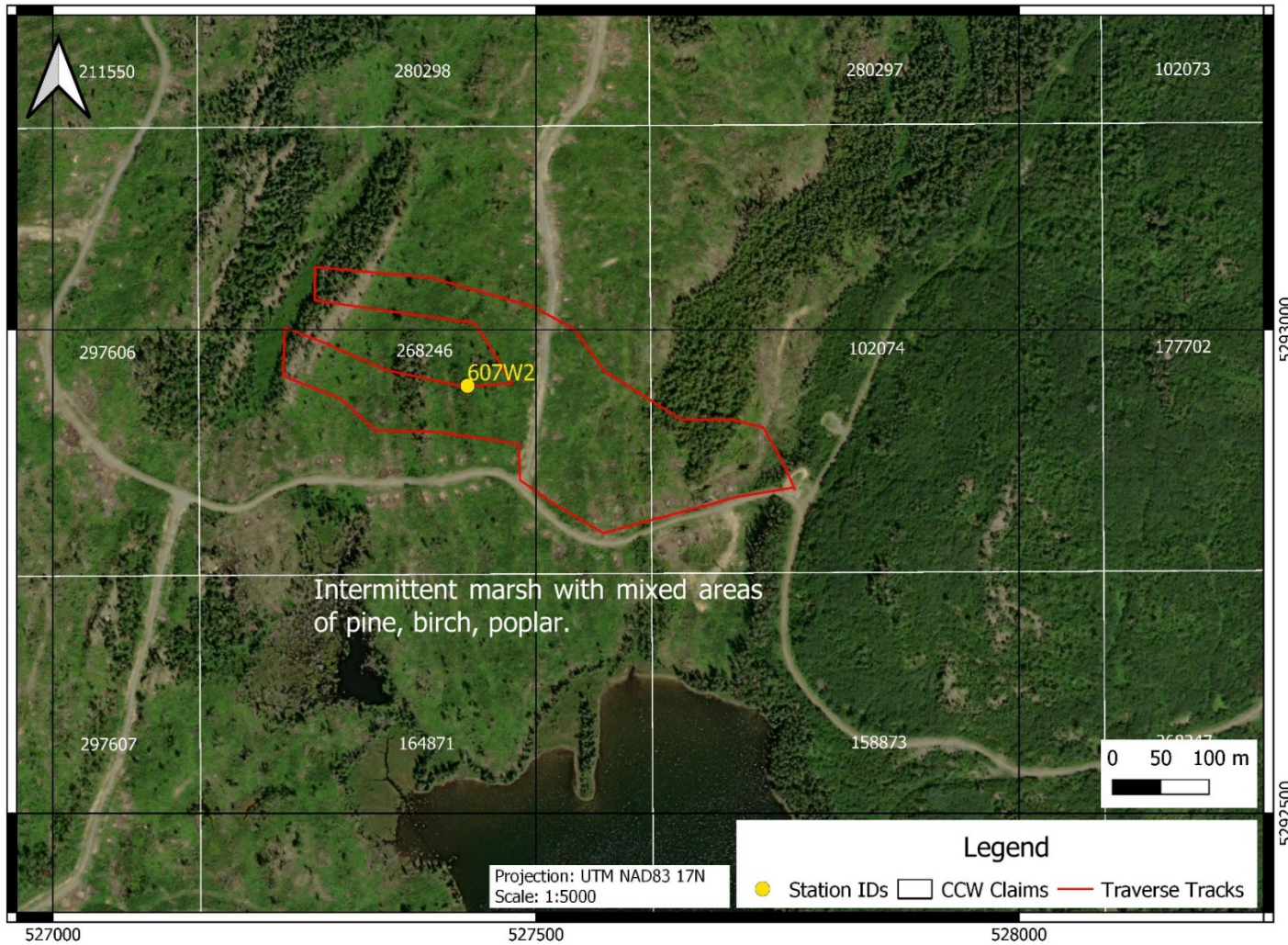


Figure 7: Map showing the traverse location and station waypoint from June 7 (2 of 2)

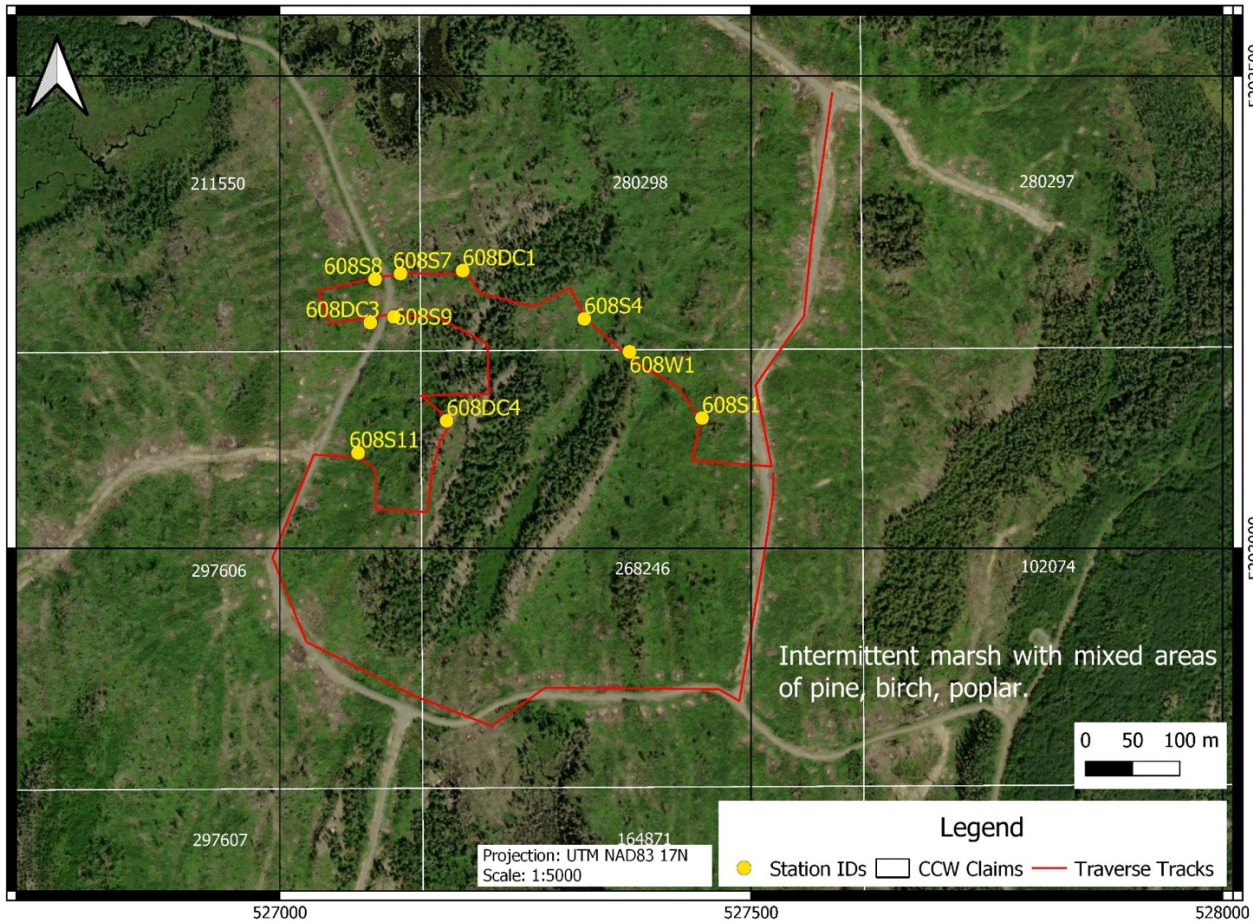


Figure 8: Map showing the traverse location and station waypoint from June 8

Assay Results

Table 3: Assay information for field samples

Certificate Name (including revisions if applicable)	Report Date	Sample ID	Au FA-AAS (g/tonne)	Ag AR-AAS (g/tonne)	Co (ppm) AR-AAS	Ni (ppm) AR-AAS	Zn (ppm) AR-AAS	Cu (ppm) AR-AAS	Pb (ppm) AR-AAS
A20-1959	2020-07-22	14409	0.06	3.5	648	315	56	29310	35
A20-1959	2020-07-22	14410	0.05	1.3	1130	72980	78	2855	13
A20-1959	2020-07-22	14411	0.03	< 0.2	16.4	152	77	666	55
A20-1959	2020-07-22	14412	< 0.01	< 0.2	153	62	279	279	11
A20-1959	2020-07-22	14413	< 0.01	< 0.2	22.5	66	286	102	65
A20-1959	2020-07-22	14414	0.01	< 0.2	22.1	65	86	102	23
A20-1959	2020-07-22	14415	< 0.01	< 0.2	29.2	48	45	286	< 2
A20-1959	2020-07-22	14416	< 0.01	< 0.2	19	55	76	58	14
A20-1959	2020-07-22	14417	< 0.01	< 0.2	3.7	4	10	692	< 2
A20-1959	2020-07-22	14418	< 0.01	< 0.2	4.3	< 1	6	81	< 2
A20-1959	2020-07-22	14419	0.02	< 0.2	13.1	85	36	203	5
A20-1959	2020-07-22	14420	< 0.01	< 0.2	< 1.0	< 1	8	11	< 2
A20-1959	2020-07-22	14421	0.02	< 0.2	20.3	3	7	17780	< 2
A20-1959	2020-07-22	14422	< 0.01	0.2	102	318	307	533	619
A20-1959	2020-07-22	14423	0.02	< 0.2	14.7	23	21	35	< 2
A20-1959	2020-07-22	14424	0.03	0.4	18.6	60	44	2946	< 2
A20-1959	2020-07-22	14425	0.03	< 0.2	61.7	107	68	297	< 2
A20-1959	2020-07-22	14426	< 0.01	< 0.2	10.5	20	19	70	< 2
A20-1959	2020-07-22	14427	< 0.01	< 0.2	7.3	18	14	557	< 2
A20-1959	2020-07-22	14428	< 0.01	< 0.2	5.2	5	8	107	< 2
A20-1959	2020-07-22	14429	< 0.01	< 0.2	3.7	2	17	68750	< 2
A20-1959	2020-07-22	14430	0.04	2.1	1560	105770	88	4203	24
A20-1959	2020-07-22	14431	< 0.01	< 0.2	3.6	5	7	14030	< 2
A20-1959	2020-07-22	14432	< 0.01	< 0.2	2.2	< 1	7	21970	< 2
A20-1959	2020-07-22	14433	< 0.01	< 0.2	15	36	31	158	< 2
A20-1959	2020-07-22	14434	< 0.01	< 0.2	112	25	15	4369	< 2
A20-1959	2020-07-22	14435	< 0.01	< 0.2	2.7	< 1	10	65290	< 2

Cost spent

Table 4: expenditures during project

Item	Cost \$	Number/Days	Total \$
Tanya Gill – Preparation and Review	300	1	300
Tanya Gill – Travel and from to Site	300	2	600
Tanya Gill – Field Work	300	4	1200
Tanya Gill – Interpretation and Report Writing	300	1	300
Tanya Gill – Vehicle June 1 st (mob), 6 th and 14 th (demob)	75	3	225
Tanya Gill – Food Costs	20/day	7	140
Tanya Gill – fuel costs	137		137
Renata Smoke – Preparation and Review	300	1	300
Renata Smoke – Travel to and from Site	300	2	600
Renata Smoke – Field Work	300	4	1200
Renata Smoke – Interpretation and Report Writing	300	1	300
Renata Smoke - Vehicle June 1 st (mob), 5 th , 7 th , 8 th and 14 th (demob)	75	5	375
Renata Smoke – Food Costs	20	7	140
Renata Smoke - mileage	@0.545/km	1062km	579
Accommodations – Gowganda Motel	65/night/person	12	780
Assaying at Swastika Laboratories	Various see inv.	27	1290
TOTAL			8466

Table 5: Assay Cost Breakdown

Assaying costs – breakdown. (see inv: CCW 1994 Appendix 2)	cost/sample \$	no. assays	Total cost \$
27 samples in all (#14409 to 14435)			
(sample prep + Au + Ag + Cu + Pb + Zn + Ni + Co	46.00	27.00	1242.00
Cu in %	6.00	6.00	36.00
Ni in %	6.00	2.00	12.00
		Total Cost	1290.00

Recommendations

Based on the results additional follow up is warranted at Shillington.

Early Exploration activities

1. Conduct MMI soil sampling over known diabase cover and into the volcanic terrain.
 - a. 500 samples at an estimated budget \$36,000
 - i. Analytical – 500 x 50 = \$25,000
 - ii. Shipping - \$1000
 - iii. Supplies - \$1000
 - iv. Labor - \$9000
2. Additional prospecting and geolocating of the historic workings.
 - a. Estimated budget \$9000

Additional Activities.

1. Complete data compilation including 3D modelling of the historic drilling
2. Validation of existing drill core from the 2005 with Golden Chalice.
3. Purchase of said historic drill core.
4. Small mapping program in northeast side of claim package to better understand the copper and nickel mineralization.

References

- Caldbick, P. (2007). *Assessment Report on the Shillington Project 2005 Drill Program*. Timmins.
- Clearview Geophysics. (2005). *Report on MAgnetometer and VLF surveys at the Shillington Township Property, Northeastern Ontario*. Brampton.
- Geotech Limited. (2007). *Report on a Helicopter-Borne VTEM Geophysical Survey*. Aurora.
- Howe, A. (1963). *Geology of the Solid Silver Mines Limited, Haultain and Morel Township Properties*. Toronto, Ontario.
- Keast, T., & Healey, D. (1999). *1999 OPAP Final Submission for the Shillington Property*.
- Larder Geophysics. (2008). *Magnetometer Survey over the shillington Target 14 Shillington Township*. Larder Lake.
- McIlwaine, W.H., (1978). *Geology of the Gowganda Lake-Miller Lake silver area, District of Timiskaming*
- Noan, C. L. (2011). *Report on the 2010 fixed Wing High Resolution Magnetic Gradient XDS VLF-EM and Radiometric Airbourne Survey*. Montreal.
- Northern News Staff. (2022, January 18). *Alamos Reports Forth Quarter Results*. Retrieved from Northern News: <https://www.northernnews.ca/news/amos-reports-fourth-quarter-results>

Rapski, J. (2002). *Geochemical Sampling and MAgnetic Survey of Shillington TP, Forest Ring, and Lake Sediment Target.*

Robinson, D. (2007). *Summary Report on the Shillington 2006-2007 Diamond Drill Program.* Swastika.

APPENDIX 1 – Assay Certificate

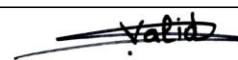
Client: Canada Cobalt Works
 Project: CASTLE EAST
 Sample type (s): rock/grab
 Submitted By: VP Exploration Matthew Halliday

ANALYSIS CERTIFICATE
A20-1959
 7/22/2020 3:44:58 PM

RESULTS

CAS Number Method Code Units	Au	Au Chk	Ag	Cu	Cu	Pb
	FA-AAS	FA-AAS	AR-AAS	AR-AAS	AR-AAS	AR-AAS
	g/Mt	g/Mt	ppm	ppm	%	ppm
1 14401	0.02		< 0.2	118		< 2
2 14402	0.01		< 0.2	128		< 2
3 14403	0.08		3.9	3497		60
4 14404	0.02		< 0.2	136		27
5 14405	< 0.01		< 0.2	152		< 2
6 14406	< 0.01		22.7	4170		> 10000
7 14407	< 0.01		2.8	364		919
8 14408	< 0.01		0.2	145		168
9 14409	0.06	0.03	3.5	> 10000	2.931	35
10 14410	0.05		1.3	2855		13
11 14411	0.03		< 0.2	666		55
12 14412	< 0.01		< 0.2	279		11
13 14413	< 0.01		< 0.2	102		65
14 14414	0.01		< 0.2	102		23
15 14415	< 0.01		< 0.2	286		< 2
16 14416	< 0.01		< 0.2	58		14
17 14417	< 0.01		< 0.2	692		< 2
18 14418	< 0.01		< 0.2	81		< 2
19 14419	0.02		< 0.2	203		5
20 14420	< 0.01	< 0.01	< 0.2	11		< 2
21 14421	0.02		< 0.2	> 10000	1.778	< 2
22 14422	< 0.01		0.2	533		619
23 14423	0.02		< 0.2	35		< 2
24 14424	0.03		0.4	2946		< 2
25 14425	0.03		< 0.2	297		< 2
26 14426	< 0.01		< 0.2	70		< 2
27 14427	< 0.01		< 0.2	557		< 2
28 14428	< 0.01		< 0.2	107		< 2
29 14429	< 0.01	< 0.01	< 0.2	> 10000	6.875	< 2
30 14430	0.04		2.1	4203		24
31 14431	< 0.01		< 0.2	> 10000	1.403	< 2
32 14432	< 0.01		< 0.2	> 10000	2.197	< 2
33 14433	< 0.01		< 0.2	158		< 2
34 14434	< 0.01		< 0.2	4369		< 2
35 14435	< 0.01		< 0.2	> 10000	6.529	< 2

 Certified
by


 Valid Abu Ammar

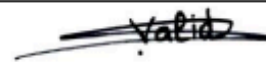
Client: Canada Cobalt Works
 Project: CASTLE EAST
 Sample type (s): rock/grab
 Submitted By: VP Exploration Matthew Halliday

ANALYSIS CERTIFICATE
 A20-1959
 7/22/2020 3:44:58 PM

RESULTS

	CAS Number Method Code Units	Pb		Zn		Co		Ni	
		AR-AAS	AR-AAS	AR-AAS	AR-AAS	AR-AAS	AR-AAS	AR-AAS	AR-AAS
		%	ppm	ppm	ppm	ppm	%	%	
1	14401		76	25.0	24				
2	14402		61	30.7	7				
3	14403		31	4350	313				
4	14404		116	23.4	19				
5	14405		37	73.7	25				
6	14406	1.689	9163	3920	343				
7	14407		1132	135	31				
8	14408		41	28.6	4				
9	14409		56	648	315				
10	14410		78	1130	> 10000	7.298			
11	14411		77	16.4	152				
12	14412		279	153	62				
13	14413		286	22.5	66				
14	14414		86	22.1	65				
15	14415		45	29.2	48				
16	14416		76	19.0	55				
17	14417		10	3.7	4				
18	14418		6	4.3	< 1				
19	14419		36	13.1	85				
20	14420		8	< 1.0	< 1				
21	14421		7	20.3	3				
22	14422		307	102	318				
23	14423		21	14.7	23				
24	14424		44	18.6	60				
25	14425		68	61.7	107				
26	14426		19	10.5	20				
27	14427		14	7.3	18				
28	14428		8	5.2	5				
29	14429		17	3.7	2				
30	14430		88	1560	> 10000	10.557			
31	14431		7	3.6	5				
32	14432		7	2.2	< 1				
33	14433		31	15.0	36				
34	14434		15	112	25				
35	14435		10	2.7	< 1				

 Certified
by


 Valid Abu Ammar

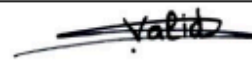
Client: Canada Cobalt Works
 Project: CASTLE EAST
 Sample type (s): rock/grab
 Submitted By: VP Exploration Matthew Halliday

ANALYSIS CERTIFICATE
A20-1959
 7/22/2020 3:44:58 PM

QC RESULTS

CAS Number Method Code Units	Ag		Au		Co		Ni		Pb	
	AR-AAS	FA-AAS	AR-AAS	FA-AAS	AR-AAS	%	AR-AAS	FA-AAS	AR-AAS	FA-AAS
	ppm	g/Mt	ppm	g/Mt	ppm	%	ppm	g/Mt	ppm	g/Mt
1 SU-1b meas	6.1									
2 PTC-1b meas	53.1				3290	11.007	> 10000		767	
3 OXG141 meas		0.95								
4 OXG141 meas		0.95								
5 Blank Value		0.01								
6 Blank Value		< 0.01								

 Certified
by


 Valid Abu Ammar

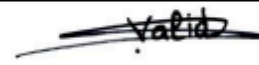
Client: Canada Cobalt Works
 Project: CASTLE EAST
 Sample type (s): rock/grab
 Submitted By: VP Exploration Matthew Halliday

ANALYSIS CERTIFICATE
A20-1959
 7/22/2020 3:44:58 PM

QC RESULTS

	CAS Number Method Code Units	Zn AR-AAS ppm
1	SU-1b meas	
2	PTC-1b meas	2147
3	OXG141 meas	
4	OXG141 meas	
5	Blank Value	
6	Blank Value	

Certified
by



Valid Abu Ammar

APPENDIX 2 – Laboratory Invoice

Shillington Propecting/Sampling Report - Cost verification

Item	Cost	Number/Days	Total	
Tanya Gill – Preparation and Review	\$300.00	1	\$300.00	see T Gill Invoice June 2-14.pdf
Tanya Gill – Travel to and from Site	\$300.00	2	\$600.00	see T Gill Invoice June 2-14.pdf
Tanya Gill – Field Work	\$300.00	4	\$1,200.00	see T Gill Invoice June 2-14.pdf
Tanya Gill – Interpretation and Report Writing	\$300.00	1	\$300.00	see T Gill Invoice June 2-14.pdf
Tanya Gill – Vehicle June 1 st (mob), 6 th and 14 th (demob)	\$75.00	3	\$225.00	see T Gill Invoice June 2-14.pdf
Tanya Gill – Food Costs	\$20.00/day	7	\$140.00	
Tanya Gill – fuel costs	\$137.00		\$137.00	see T Gill Invoice June 2-14.pdf
Renata Smoke – Preparation and Review	\$300.00	1	\$300.00	see Renata_Invoice_June2020-w-expenses.pdf
Renata Smoke – Travel to and from Site	\$300.00	2	\$600.00	see Renata_Invoice_June2020-w-expenses.pdf
Renata Smoke – Field Work	\$300.00	4	\$1,200.00	see Renata_Invoice_June2020-w-expenses.pdf
Renata Smoke – Interpretation and Report Writing	\$300.00	1	\$300.00	see Renata_Invoice_June2020-w-expenses.pdf
Renata Smoke - Vehicle June 1 st (mob), 5 th , 7 th , 8 th and 14 th (demob)	\$75.00	5	\$375.00	see Renata_Invoice_June2020-w-expenses.pdf
Renata Smoke – Food Costs	\$20.00	7	\$140.00	see Renata_Invoice_June2020-w-expenses.pdf
Renata Smoke - mileage	@0.545/km	1062km	\$579.00	see Renata_Invoice_June2020-w-expenses.pdf
Accommodations – Gowganda Motel	\$65.00/night/person	12	\$780.00	see highlighted 2019 rates in 2020_Gowganda-lake-lodge-FOR REFERENCE OF COSTS.pdf
Assaying at Swastika Laboratories	Various see inv.	27 samples	\$1,290.00	see CCW 19954.pdf
TOTAL			\$8,466.00	

Assaying costs - breakdown (see inv: CCW 1994 Appendix 2)	cost/sample \$	no. assays	Total cost \$
27 samples in all			
(sample prep + Au + Ag + Cu + Pb + Zn + Ni + Co	46	27	1242
Cu in %	6	6	36
Ni in %	6	2	12
		Total Cost	1290

524000

526000

528000

530000



CANADA SILVER COBALT

OGS: Englehart-Kenagami 2VD and
Shingitree-Matachewan 2VD underlay

5298000

5296000

5294000

5292000

5290000

5288000

5298000

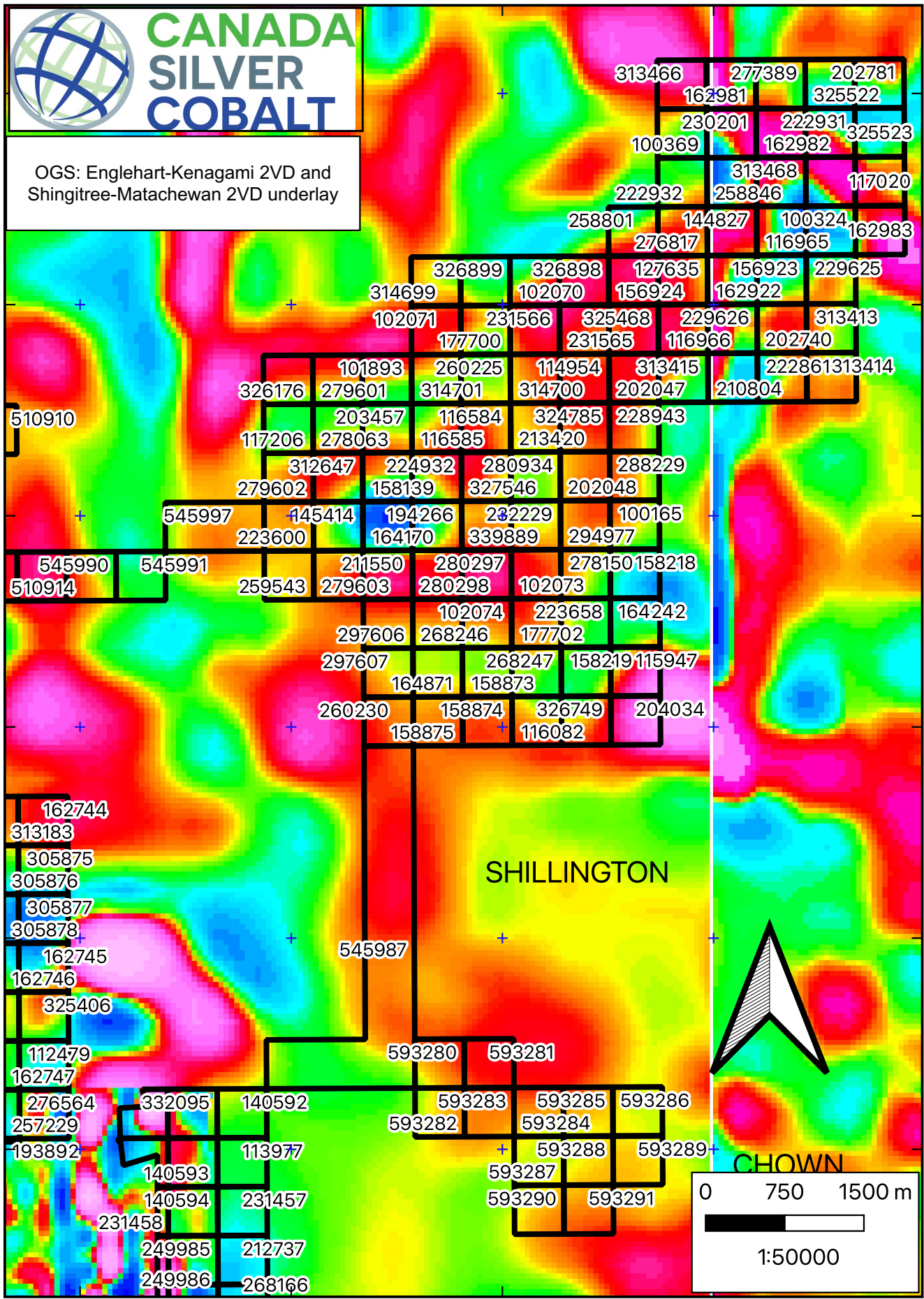
5296000

5294000

5292000

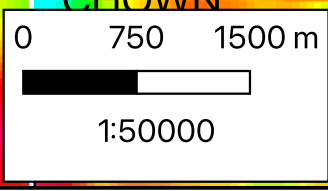
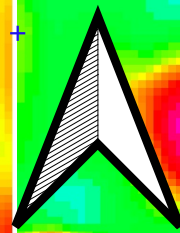
5290000

5288000



SHILLINGTON

CHOWN



524000

526000

528000

530000

524000

526000

528000

530000



**CANADA
SILVER
COBALT**

OGS Regional Geology
underlay

14 - Mafic Intrusive

Huronian Supergroup
13 - Lorrain Formation
Gowganda Formation
12b - Firstbrook Member

5298000

5296000

5294000

5292000

5290000

5288000

5298000

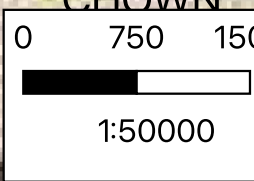
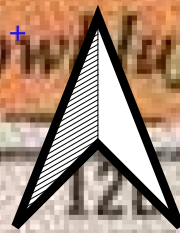
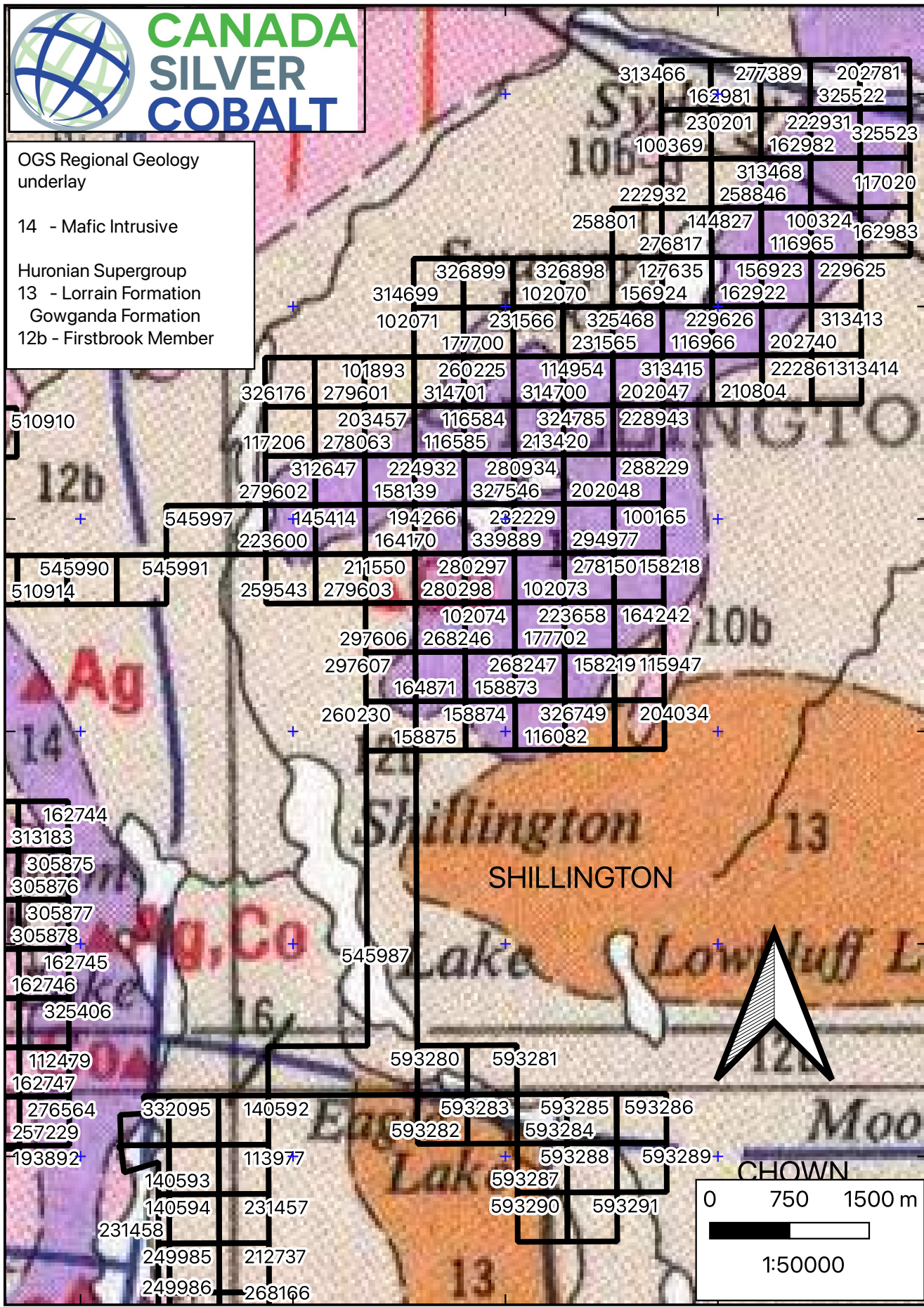
5296000

5294000

5292000

5290000

5288000



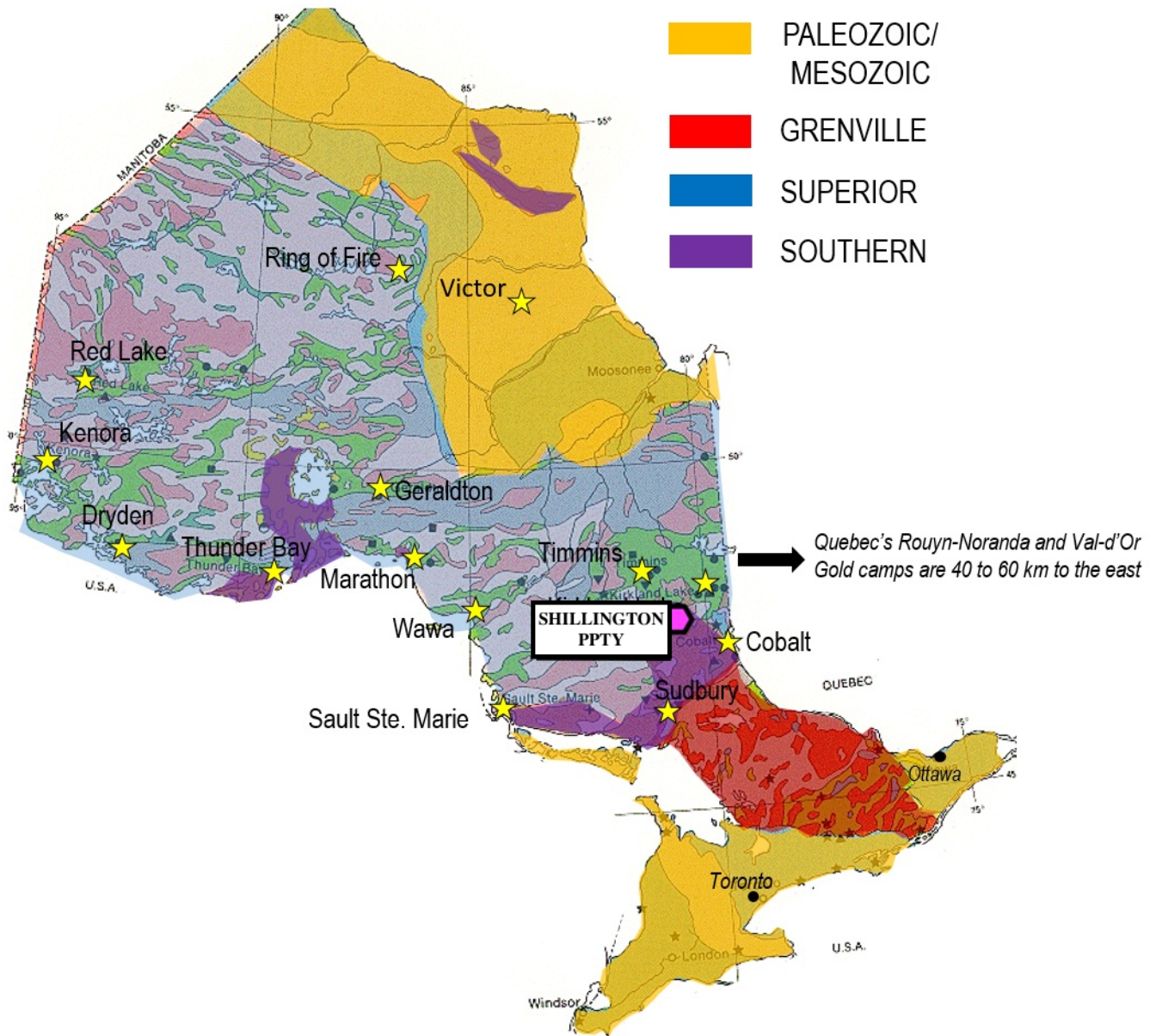
524000

526000

528000

530000

GEOLOGIC PROVINCES AND PRINCIPAL METAL DISTRICTS OF ONTARIO



520000

530000

5300000

5300000

5290000

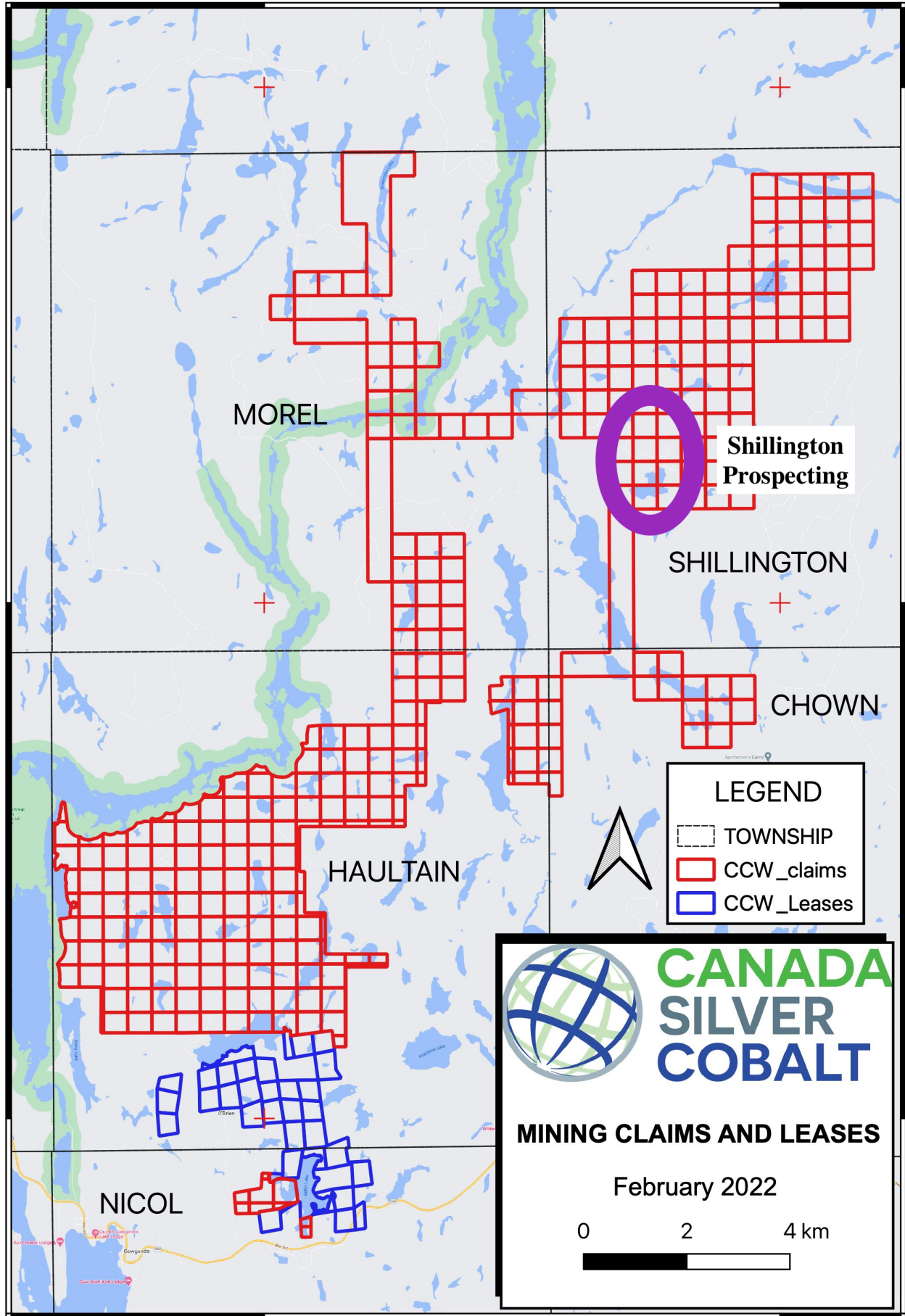
5290000

5280000

5280000

520000

530000



MOREL

Shillington
Prospecting

SHILLINGTON

CHOWN

HAULTAIN

NICOL

LEGEND

- TOWNSHIP
- CCW_claims
- CCW_Leases



**CANADA
SILVER
COBALT**

MINING CLAIMS AND LEASES

February 2022

0 2 4 km

