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Assessment Report; Grassroots exploration, Geochemical sampling of the EBY Project



Date: October 18, 2023

<u>Report prepared by</u> :

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1. Introduction

This exploration program was performed by Mistango River resources Inc. between July 18, 2021, to July 21, 2023 and September 10, 2023 to September 24, 2023. The focus of this work was on the claim group located in EBY township, district of Timiskaming. The author, Antoine Schwartzmann, P. Geo., Laurisha B, P. Geo., and Chitrali S, GIT, performed this work. The purpose of this program was to do rock sampling, geological description, and structural measurement. Understanding the mineralization and structure helped having a better comprehension of the mineralization at the EBY project.
The Property consist of 95 mining claims and 20 patents with a total of 1638 hectares.

The purpose of this report is to summarize all exploration work done to date on the property and provide recommendations for future work.

2. Property Location, Access, and Facilities

EBY Property

The EBY property is a location in Northeastern Ontario, situated in the Eby and Grenfell townships, 7 km west of the town of Swastika, and 16 km west of the town of Kirkland Lake in the Larder Lake Mining Division. The property is located near an old forest access trail, which is situated near the intersection of Highway 66 and 11. Highway 66 passes through the east border of the property. Kenogami Lake is located on the north section of the property and has a couple of cottages around the shore. The property can provide easy access to water for diamond drilling.

The property can be accessed through three gravel roads. The first road, West Rd., provides access to the southern portion. The second road, Boland Rd., extends west from highway 66 south of Kenogami Lake. The third road, Beverly Rd., can provide access to the east side of Kenogami lake.
An esker trending north-south along Highway 66 provided a supply of gravel for road building. Currently, there are no facilities capable of supporting a mining operation on the property. However, facilities are present in the town of Kirkland Lake to support such an operation.

3. Land Tenure and Ownership

The EBY Property is comprised of 133 mining claims and 20 mining patents. Mistango River Resources Inc wholly owns all the patent and 133 single cell and boundary cell claims. See Figure 1 for the list of mining claims for the EBY Project and Figure 2 for the EBY claim map.

Legacy Claim Id	Township / Area	Tenure ID	Tenure Type	Anniversary Date	Tenure Status	Tenure Percentage
None	EBY	576307	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576306	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576305	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576304	Single Cell Mining Claim	2022-02-10	Active	100
None	GRENFELL	576303	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY,GRENFELL	576302	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576301	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576300	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY,GRENFELL	576299	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576298	Single Cell Mining Claim	2022-02-10	Active	100
None	GRENFELL	576297	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576296	Single Cell Mining Claim	2022-02-10	Active	100
None	GRENFELL	576295	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576294	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576292	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576282	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576281	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576280	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576279	Single Cell Mining Claim	2022-02-10	Active	100

None	EBY	576278	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576277	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576276	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576275	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576274	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576273	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576272	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576271	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576270	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576269	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576268	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576267	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576266	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576265	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576264	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576263	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576262	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576261	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576260	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576259	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576258	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576257	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576256	Single Cell Mining Claim	2022-02-10	Active	100

None	EBY	576255	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576254	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576253	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576252	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576251	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576250	Single Cell Mining Claim	2022-02-10	Active	100
None	EBY	576249	Single Cell Mining Claim	2022-02-10	Active	100
1199577	EBY	297130	Single Cell Mining Claim	2022-02-11	Active	100
1199577	EBY	223033	Single Cell Mining Claim	2022-02-11	Active	100
1199577	EBY	129707	Boundary Cell Mining Claim	2022-02-11	Active	100
1199577	EBY	104539	Single Cell Mining Claim	2022-02-11	Active	100
1199578	EBY	326309	Boundary Cell Mining Claim	2022-02-11	Active	100
1199578	EBY	297692	Single Cell Mining Claim	2022-02-11	Active	100
1199578	EBY	279049	Single Cell Mining Claim	2022-02-11	Active	100
1199578	EBY	223073	Boundary Cell Mining Claim	2022-02-11	Active	100
1199588	EBY	309440	Single Cell Mining Claim	2022-02-11	Active	100
1199588	EBY	297246	Single Cell Mining Claim	2022-02-11	Active	100
1199588	EBY	130723	Single Cell Mining Claim	2022-02-11	Active	100
1199589	EBY	303656	Single Cell Mining Claim	2022-02-11	Active	100
1199589	EBY	292278	Single Cell Mining Claim	2022-02-11	Active	100
1199589	EBY	267078	Single Cell Mining Claim	2022-02-11	Active	100
1199589	EBY	207795	Single Cell Mining Claim	2022-02-11	Active	100
1199589	EBY	200471	Single Cell Mining Claim	2022-02-11	Active	100

1199589	EBY	180303	Single Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	325882	Single Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	306407	Boundary Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	275868	Single Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	239089	Boundary Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	210486	Single Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	210473	Boundary Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	203163	Single Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	144359	Single Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	144358	Single Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	138384	Single Cell Mining Claim	2022-02-11	Active	100
1199590	EBY	138357	Single Cell Mining Claim	2022-02-11	Active	100
1199591	EBY	306380	Boundary Cell Mining Claim	2022-02-11	Active	100
1199591	EBY	259193	Boundary Cell Mining Claim	2022-02-11	Active	100
1199591	EBY	138358	Boundary Cell Mining Claim	2022-02-11	Active	100
3000303	TECK	274678	Boundary Cell Mining Claim	2027-03-18	Active	100
3000303	TECK	267919	Boundary Cell Mining Claim	2027-03-18	Active	100
3000303	TECK	239123	Boundary Cell Mining Claim	2027-03-18	Active	100
3000303	TECK	158684	Boundary Cell Mining Claim	2027-03-18	Active	100
3007516	TECK	255785	Boundary Cell Mining Claim	2027-03-18	Active	100
3007516	TECK	141955	Boundary Cell Mining Claim	2027-03-18	Active	100
3007516	TECK	136485	Boundary Cell Mining Claim	2027-03-18	Active	100
None	TECK	535357	Multi-cell Mining Claim	2027-03-18	Active	100

3007516	TECK	334405	Boundary Cell Mining Claim	2027-03-19	Active	100
3013729	TECK	236434	Single Cell Mining Claim	2027-03-19	Active	100
3013729	TECK	114705	Boundary Cell Mining Claim	2027-03-19	Active	100
	TECK	535356	Multi-cell Mining Claim	2027-03-19	Active	100
3013745	GRENFELL	311906	Single Cell Mining Claim	2027-04-13	Active	100
3013745	GRENFELL	311905	Single Cell Mining Claim	2027-04-13	Active	100
3013745	GRENFELL	305107	Boundary Cell Mining Claim	2027-04-13	Active	100
3013745	GRENFELL	257341	Boundary Cell Mining Claim	2027-04-13	Active	100
3013745	GRENFELL	201295	Boundary Cell Mining Claim	2027-04-13	Active	100
3013745	GRENFELL	137120	Boundary Cell Mining Claim	2027-04-13	Active	100
3013746	GRENFELL,TECK	331270	Boundary Cell Mining Claim	2027-04-13	Active	100
3013746	GRENFELL,TECK	152720	Boundary Cell Mining Claim	2027-04-13	Active	100
None	GRENFELL	535361	Multi-cell Mining Claim	2027-04-13	Active	100
	GRENFELL,TECK	535360	Multi-cell Mining Claim	2027-04-13	Active	100
3000361	TECK	300564	Boundary Cell Mining Claim	2027-06-01	Active	100
3000361	TECK	216853	Boundary Cell Mining Claim	2027-06-01	Active	100
None	TECK	535355	Multi-cell Mining Claim	2027-06-01	Active	100
4252145	EBY,GRENFELL	266266	Boundary Cell Mining Claim	2027-06-21	Active	100
4252145	GRENFELL	226505	Boundary Cell Mining Claim	2027-06-21	Active	100
4257291	GRENFELL	288318	Boundary Cell Mining Claim	2027-06-21	Active	100
4257291	GRENFELL	257750	Boundary Cell Mining Claim	2027-06-21	Active	100
None	EBY,GRENFELL	535363	Multi-cell Mining Claim	2027-06-21	Active	100
3000361	TECK	309792	Boundary Cell Mining Claim	2027-09-28	Active	100

3000362	TECK	131104	Boundary Cell Mining Claim	2027-09-28	Active	100
4253847	TECK	328031	Boundary Cell Mining Claim	2027-09-28	Active	100
None	TECK	535358	Multi-cell Mining Claim	2027-09-28	Active	100
3004560	TECK	274224	Boundary Cell Mining Claim	2027-10-23	Active	100
3004560	TECK	219049	Boundary Cell Mining Claim	2027-10-23	Active	100
None	TECK	535362	Multi-cell Mining Claim	2027-10-23	Active	100
3013990	TECK	266576	Single Cell Mining Claim	2027-12-03	Active	100
3013990	TECK	266575	Single Cell Mining Claim	2027-12-03	Active	100
3013990	TECK	154698	Single Cell Mining Claim	2027-12-03	Active	100
3013991	TECK	314491	Single Cell Mining Claim	2027-12-03	Active	100
3013991	TECK	158757	Single Cell Mining Claim	2027-12-03	Active	100
1167172	EBY	292061	Single Cell Mining Claim	2028-01-08	Active	100
1167172	EBY,OTTO	292060	Boundary Cell Mining Claim	2028-01-08	Active	100
1167172	EBY,OTTO	217398	Boundary Cell Mining Claim	2028-01-08	Active	100
1167172	EBY	142240	Boundary Cell Mining Claim	2028-01-08	Active	100
1167172	EBY	136215	Boundary Cell Mining Claim	2028-01-08	Active	100
1167172	EBY,OTTO	136214	Boundary Cell Mining Claim	2028-01-08	Active	100
3008035	TECK	303825	Boundary Cell Mining Claim	2028-02-11	Active	100
3008035	TECK	255117	Boundary Cell Mining Claim	2028-02-11	Active	100
3008035	TECK	207983	Single Cell Mining Claim	2028-02-11	Active	100
3000425	TECK	331590	Boundary Cell Mining Claim	2028-02-16	Active	100
None	TECK	535359	Multi-cell Mining Claim	2028-02-16	Active	100

Figure 1: List of claims for the Eby Project

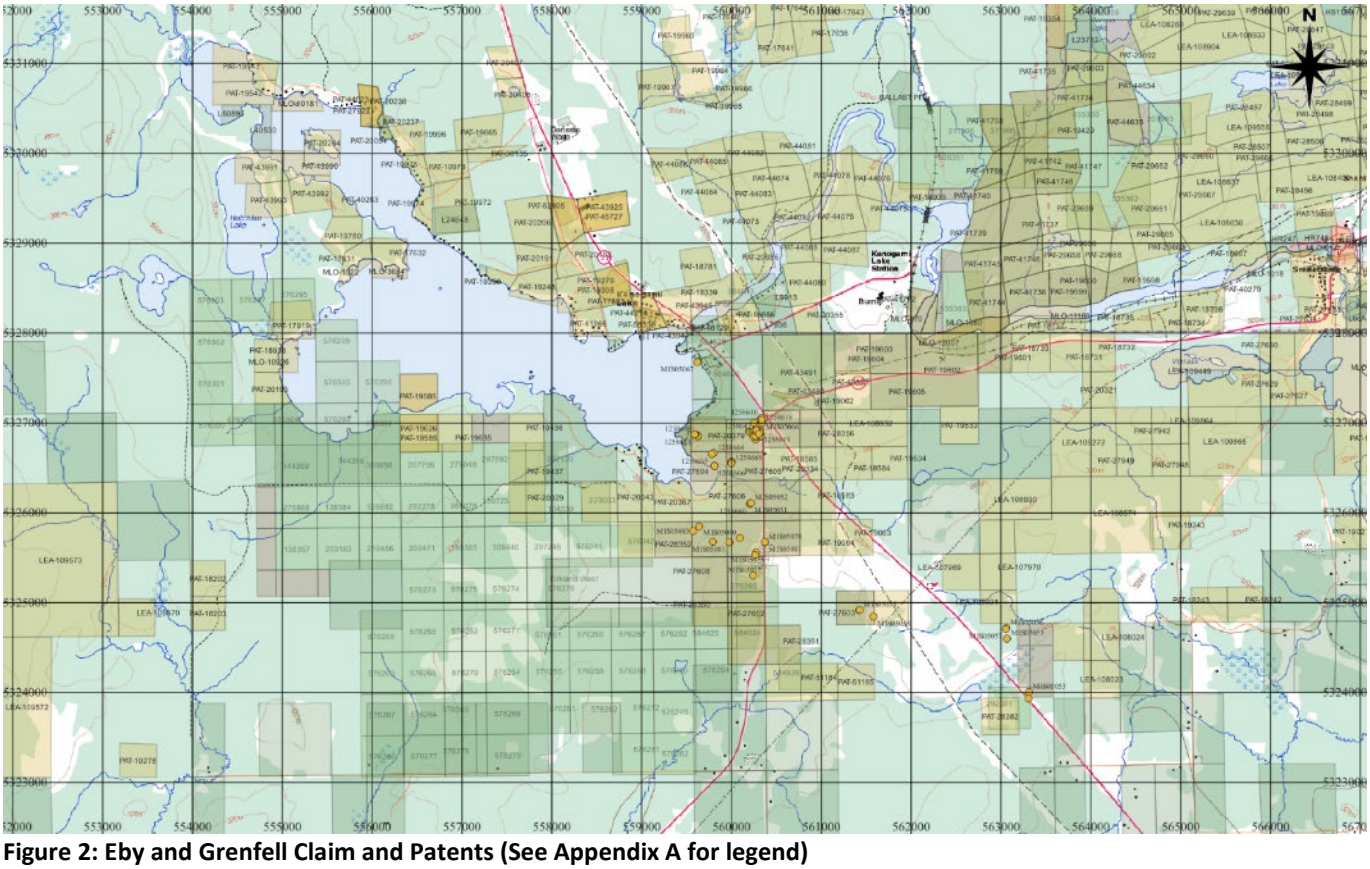


Figure 2: Eby and Grenfell Claim and Patents (See Appendix A for legend)

4. Property History

Considering the location, with the Larder Cadillac deformation zone passing through the property, little assessment work has been recorded. This is no doubt due to the amount of overburden which has obscured the bedrock, particularly along the break.

Despite the lack of bedrock exposure, early prospectors realized the potential of the property as there are numerous trenches, pits and shafts not referred to in any reports.

The earliest known recorded work on the property was that of Erie Canadian Mines Ltd., a subsidiary of Sylvanite Gold Mines Ltd. They optioned and prospected the Charles Walters group of claims in 1935. In 1939, D.M. Hogarth and associates optioned the property and completed two bulk samples. According to T.L. Wells, engineer in charge of development, bulk samples from the No. 1 trench at the east end of the carbonate body on patent No. PAT-27606 gave returns of 2.74 oz/ton (85.22 g/t) and 0.06 oz Au/ton (1.87 g/t) from narrow quartz stringers containing finely divided visible gold. The volume of samples is not mentioned, but the size of the trenches is estimated to at least 100 tons. A drill hole under the trench failed to reveal interesting values, some of the other holes gave low values (gold at $35/oz). A quartz vein on patent No. PAT-27604 carrying iron sulfides and molybdenite gave a return of 0.17 oz/ton (5.29 g/t) Au. (circa 1935).

During the winter of 1938-1939, Pioneer Gold Mines drilled six holes on patent No. PAT-20379 (part of the Rogick-Elliot-Clark group). The drilling was done in an attempt to pick up a gold bearing vein which had been indicated by the presence of numerous float samples. Apparently, no results of consequence were obtained from this work. During the spring of 1939 (same claim), a green carbonate zone intruded by quartz-feldspar dikes was uncovered and visible gold was found at three locations on the dike, which is exposed a length of 10 meters and is 1 meter wide. Sylvanite Gold Mines optioned the claim and mapped

them in detail. Beaucoeur Mines obtained an option and drilled at least nine holes. The highest-grade intersections were in two of three holes drilled from one set, 0.64 oz/ton (19.9 g/t) Au over 2 feet (0.61 m) and 0.7 oz/ton (21.77 g/t) Au over 10 feet (3 m). The casing from these holes is still preserved on the stripped green carbonate outcrop.

In 1944, Siscoe Gold Mines obtained an option on the property and drilled four holes totaling 1,878 feet (572.4 m), 2 holes of which were on patent No. PAT-20379 and returned low gold values, however the holes were drilled along strike and did not intersect the carbonate body, which strikes roughly north-south.

The last recorded work done on the property was by Mary Ellen Resources in 1985. The work consisted of a ground magnetometer, V.L.F., geological, selected humus geochemistry and surface stripping. An I.P. survey was carried on the property.
Nine holes totaling 4,008.0 feet (1,221.95 meters) of BQ core (diameter 1,44 inches or 37 mm) were drilled on the property during November and December of 1985. Drill targets for the program were I.P. anomalies.
The best average intersections are 0.05 oz/ton (1.55 g/t) Au over 6.7' (2 m) in ME-85-3 and 0.05 oz/ton (1.55 g/t) Au over 6.9' (2.1 m) in ME-85-2, 0.029 oz/ton (0.9 g/t) Au over 11.0' (3.35 m) in ME-85-1, 0,03 oz/ton (0.93 g/t) Au over 10.4' (3.2 m) in ME-85-2 and 0.02 oz/ton (0.62 g/t) Au over 19,8' (6 m) in ME-85-1. It should also be mentioned that ME-85-1 gave an intersection of 0.01 oz/ton (0.31 g/t) Au over 85.6' (26.1 m) in the silicified buff carbonate, which represents a significant amount of gold.

Mistango River Resources Inc. obtained the property in March, 2020 and also expanded the property March 2020 by acquiring the claims around Kenogami Lake.

Mistango River Resources Inc. explored the Eby property in 2021 sampling and measuring structures.

5. REGIONAL GEOLOGY

The regional geology is summarized from L. Pigeon1 and B.R. Berger, 2003 and illustrated in (Figure 3) after the same authors in 2003.

The Eby township is underlain by Neoarchean ultramafic, mafic, intermediate, and felsic metavolcanic rocks, related intrusive rocks, Neoarchean clastic and chemical metasedimentary rocks and alkalic extrusive flows (Figure 3). These rocks are intruded by Archean felsic rocks of the Round Lake batholith, ultramafic, mafic, and felsic alkalic rocks of the Otto stock and Paleoproterozoic diabase dikes of the Matachewan and possibly the Pressiac swarms (Osmani 1991). Clastic metasedimentary rocks correlated with the Proterozoic Gowganda Formation of the Cobalt Group of the Huronian Supergroup unconformably overlie the Archean rocks and Paleoproterozoic dikes of the Matachewan swarm.

Neoarchean Rocks

In the northwest portion of the Otto Township, near Vigrass and Otto lakes, ultramafic metavolcanic rocks can be found south of Highway 66 (see Figure3). The weathering rocks are fine-grained, usually soft, and may have spinifex that is irregularly aligned and radiating or dendritic-like.

Much of Eby Township and the north portion of Otto Township are underlain by mafic metavolcanic rocks (see Figure 3). Mafic metavolcanic rocks are mostly dark green, massive, fine- to medium-grained rocks

that are often recrystallized. Locally, pillowed, variolitic, and amygdaloidal flows can be found. There are mafic metavolcanic rocks in the vicinity of the Larder Cadillac deformation zone, west and south of Vigrass Lake, and in the noses of regional folds are affected by weak to intense pervasive carbonate alteration.

Felsic metavolcanic tuff, lapilli tuff, and rare flows are interlayered with clastic metasedimentary rocks and banded chert-magnetite iron deposit are in a narrow unit that crosses the central part of the map area (see Figure3).

Interlayered with the felsic metavolcanic rocks described above is finely laminated to thinly bedded magnetite and chert iron formation. These units are made up of 2 mm to 20 cm thick black magnetite beds divided by 1 cm to 30 cm thick white to grey chert beds and rarely reach 2 m in thickness.

Jasper-chert iron formation occurs interlayered with mafic metavolcanic flows in a few places in the central Otto and northern Eby townships. This type of iron formation is commonly discontinuous and always narrow (less than 1 m thick). Its regional extent is unknown.

The Timiskaming assemblage in north Eby Township is linked to clast-supported polymictic conglomerate, fine-grained massive and cross-bedded sandstone, and uncommon argillite. Conglomerate clasts are subangular to rounded in shape and range in size. Dark green quartz and feldspar sand are commonly found in the matrix. Where the rocks are extensively stressed and sheared south of Kenogami Lake, primary structures are poorly maintained.

Throughout the field, small mafic intrusions, plugs, sills, and dikes can be found. The largest is roughly 2 km2 in size and is located in the northeast Eby Township. Medium to coarse-grained equigranular, weakly foliated gabbro, quartz gabbro, and leucogabbro make up the majority of the intrusion. On the weathered surface, the rock is light grey, whereas on the fresh surface, it is dark green. The rock is amphibole porphyritic in some cases, with subhedral to euhedral rectangular phenocrysts up to 15 mm long.

Throughout the map region, intermediate and felsic dikes formed of quartz-feldspar porphyry and feldspar porphyry intruded metavolcanic and metasedimentary rocks. These dikes are rarely more than 1 m wide and are discontinuous along their length. Quartz-feldspar porphyry dikes are uncommon, including 10 to 15% subhedral to euhedral feldspar phenocrysts and around 5% anhedral quartz phenocrysts. Light pink, long subhedral feldspar phenocrysts make up roughly 30% of the feldspar porphyritic dikes. The groundmass is composed of about 10 to 15% dark green subhedral to euhedral amphibole and light pink feldspar.

The Otto Township and a small section of the eastern Eby Township are host to the Otto stock. The intrusion is made up of a variety of rock types with varying compositions and textures; nevertheless, the majority of the intrusion is made up of medium- to coarse-grained alkali-feldspar porphyritic syenite.

Lamprophyre dikes can be found all across the map area. Three distinct types were discovered. Within and near the Otto stock, amphibole-mica and alkali feldspar-mica dikes can be found. These dikes are often thin (less than 3 m wide), discontinuous along strike, and xenoliths are uncommon. Xenoliths of country rock and syenite, similar to those found in the Otto stock, are prevalent in these lamprophyre dikes.

Proterozoic Rocks

All Archean rocks in the area were intruded by numerous diabase dikes associated with the Paleoproterozoic Matachewan swarm (Osmani 1991).

All Archean rocks are unconformably overlain by clastic metasedimentary rocks linked with the Gowganda Formation of the Cobalt Group of the Proterozoic Huronian Supergroup. They're seen along Highway 11 in the northern Eby Township near Kenogami, where a polymictic conglomerate is interbedded with sandstone.

Structural Geology

Multiple phases of shearing, faulting, and folding characterize the Archean deformation. The Larder Cadillac deformation zone, which runs east-northeast, is the most significant structural feature in the northern section of the map area. Along the south shore of Kenogami Lake, at many locations south of the lake, and in discrete faults along Highway 66 in the Otto Township, strong schistose rock marks the deformation zone. Mineral lineations, slickenlines, and "stepping" reveal complex sinistral and dextral movements on fault planes, though they usually display south-side-up vertical movement. In the deformation zone, an S1 foliation strikes 065 to 080° and is regularly overprinted by an S2 foliation that strikes 055 to 035°. The main trace of the deformation zone is interrupted and offset locally by faults that strike north-northeast and northwest. At the Baldwin and Crescent mines, gold mineralization is localized in these cross faults (see Figure3).

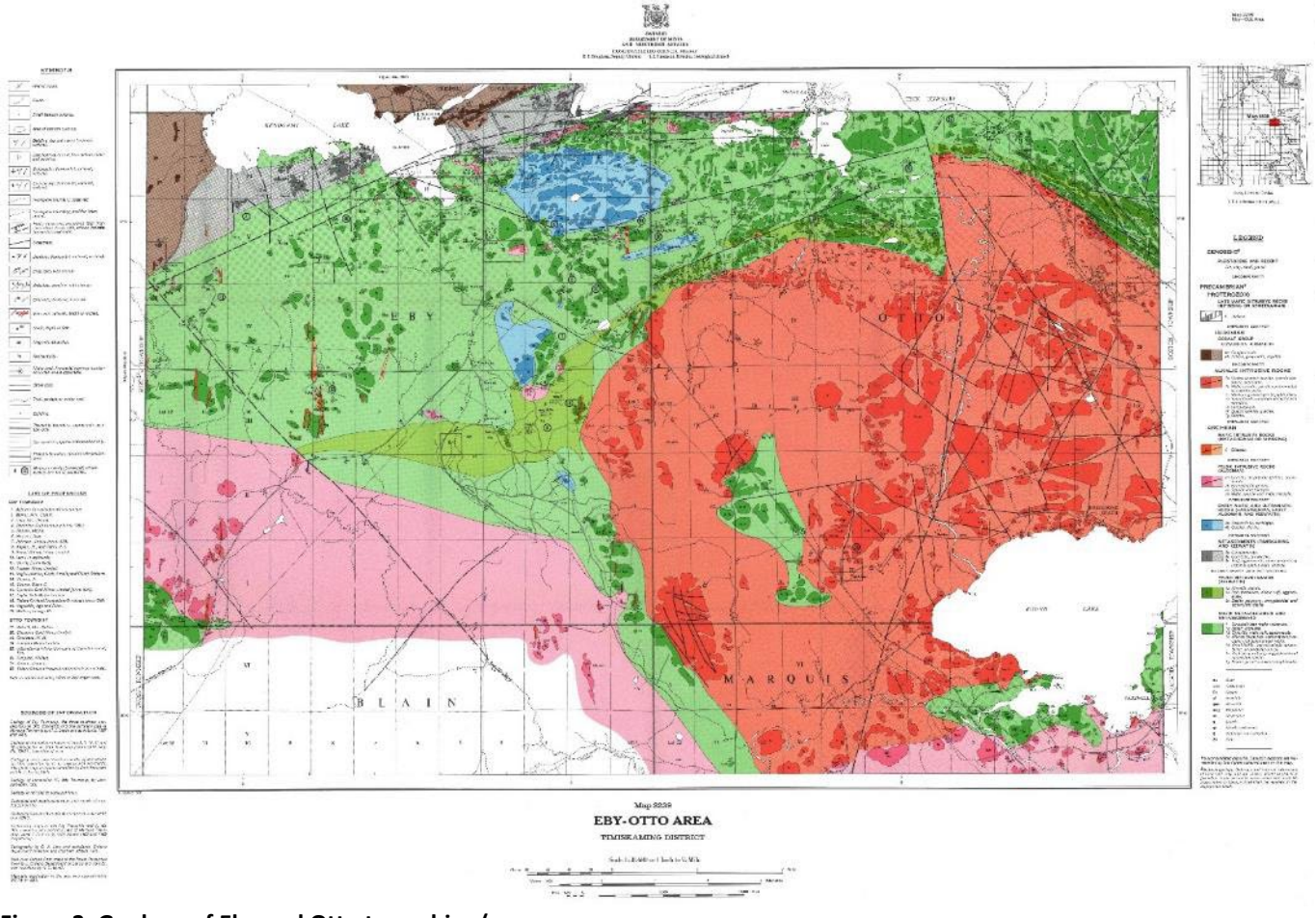


Figure 3: Geology of Eby and Otto townships (.

6. Local Geology

During the mapping, the author encountered four major rock types: basalt, diabase dikes, iron formation, and clastic and chemical sediments of the Larder Lake Group

The property has both iron and magnesium tholeiites of the Larder Lake Group, with iron tholeiites dominating to the north. The rocks are generally fine to medium-grained, dark green to black in color, occasionally pillowed and flow brecciated. Small zones of volcanic tuff were found, generally showing a porphyroblastic texture due to shearing and metamorphism on the property. Small quartz and quartz/carbonate veins are common throughout the property, but they are generally barren of mineralization.

Numerous diabase dikes were found on the south portion of the property, generally three to five meters in width, magnetic, and strike either east-west or north-south. One large dike was found to have a porphyritic interior, but generally, the dikes are fine to medium-grained showing a typical "diabasic" texture. They are void of mineralization, although narrow hydrothermal contact areas may carry up to 10 – 15% sulfides. A sample from one of these contact areas returned only trace values of gold

Three zones of iron formation were found on the property. The first is a narrow zone of hematite/chert iron formation bounded on either side by greywacke-type sediments. The second zone consists of banded magnetite/hematite and volcanic tuff, and the third zone consists of hematite/magnetite and jasper. The second and third zones are strongly magnetic, and the third zone is an excellent marker horizon as it appears to lie within the main sedimentary sequence which may host gold mineralization. All of the iron formations carry only trace values of gold mineralization.

All sediments encountered during the mapping belong to the Larder Lake Group, although Timiskaming sediments occur to the northwest. Small interflow zones of chert are common throughout the property, but they are too narrow and discontinuous to warrant extensive work. An extensive zone of green carbonate, iron formation, dolomite, and cherty mudstone appears to extend from the northeast to Howard Lovell's property and is in all likelihood open to both the east and west. The rock sequence strikes roughly east-west and dips steeply south.

7. PROSPECTING TARGETS

Gold targets can be found in wide alteration/deformation zones or in narrow high-grade vein deposits within confined alteration zones. Alteration/deformation zones parallel to or splaying off the Larder Cadillac deformation zone are typically connected with deposits linked with the Larder Lake Main Break. The presence of possible mineralized mafic volcanic rocks was observed in the west part of the EBY property near the supposed Larder Lake Cadillac main structure.

The goal of the program was to prospect and get as much greenfield observations and sampling to assess the potential of gold mineralization in the area

8. Sampling and measurement Methodology

Between July 18, 2021, to July 21, 2023 and September 10, 2023 to September 24, 2023, Mistango River Resources Inc. conducted a sampling, structural and rock description program on its EBY Property located in the Eby and Grenfell Townships. The labor contingent for the trenching program was completed by 3 field geologists provided by Mistango. The rock samples were chipped out per standard practice with a rock hammer and chisel to be bagged for assay.

Quality control and assurance of the channel samples for assay were implemented by submitting certified gold standards and blank standards at Swastika Laboratory. The ratio of control standards to individual channel samples was 1 control sample per 10 samples. All assaying was conducted by Swastika Laboratories Ltd with sample prep and assaying at the Swastika, Ontario laboratory. Figure 4 shows the area of interest explored by Mistango.

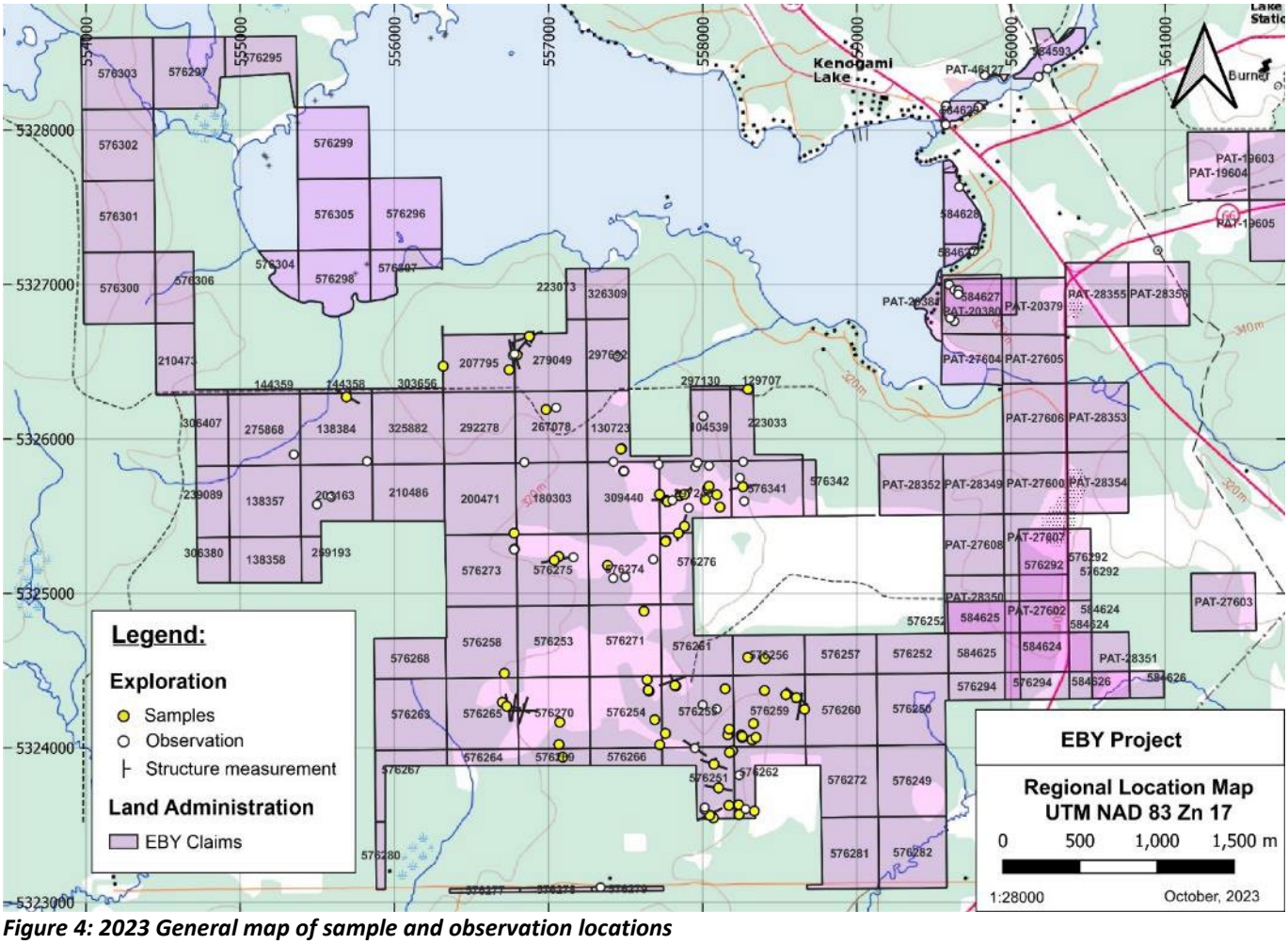


Figure 4: 2023 General map of sample and observation locations

9. Field Logs 2020 and 2021

Mistango River Resources Inc. focused the exploration on the patented claim PAT-20380, PAT-46127, and on the claims 200471, 584627, 584627, 576255, 130723, 207795, 584593, 576276, 576269, 576279, 576259, 104539, 576254, 279049, 576265, 138384, 584628, 576274, 576251, 576273, 576270, 576256, 584629, 267078, 576341, 309440, 576271, 297692, 576262, 223033, 576258, 203163, 275868, 576275, 297246.

Between July and September 2023, Mistango spent a total of 15 days from July to September 2023 in the areas of interest sampling, taking structural measurements and detailed description. A total of 51 waypoints with descriptions of observations made (Table 1), 21 measurements of structures and measurements (Table 2) and a total 73 samples (Table 3) were taken averaging 5 samples per day.

Table 1: Observation in the field at the EBY project

Observation table					
WAYPOINT	**UTM_EAST**	**UTM_NORTH**	**Comments**	**Geologist**	**Date**
EBY_23_001	559632	5326762	Syenite weakly oxidized	JB	7/19/2022
EBY_23_002	559605	5326782	Fine grained Syenite weakly oxidized	JB	7/19/2022
EBY_23_003	559599	5326999	Timiskaming conglomerate	JB	7/19/2022
EBY_23_004	559633	5326964	Till horizon	JB	7/19/2022
EBY_23_005	559660	5326961	Timiskaming conglomerate	JB	7/19/2022
EBY_23_006	559658	5326937	Bog/Wetlands	JB	7/19/2022
EBY_23_007	559759	5327216	Lakefront house	JB	7/19/2022
EBY_23_008	559664	5327632	Lakefront house	JB	7/19/2022
EBY_23_009	560238	5328397	Waterfront property	JB	7/19/2022
EBY_23_010	560179	5328345	conglomerate south of Blanche River	JB	7/19/2022
EBY_23_011	559828	5328356	Timiskaming conglomerate	JB	7/20/2022
EBY_23_012	559788	5328149	Riverfront property	JB	7/20/2022
EBY_23_013	559789	5328148	Riverfront property	JB	7/20/2022
EBY_23_014	559576	5328033	Kenogami bridge Inn	JB	7/20/2022
EBY_23_015	559577	5328035	Kenogami bridge Inn	JB	7/20/2022
EBY_23_016	559579	5328156	Fine grained matrix and rounded clasts 2-20cm conglomerate, Cobalt	JB	7/20/2022
EBY_23_017	559578	5328158	Kenogami Lake bridge Inn north side Blanche River	JB	7/20/2022
EBY_23_018	558012	5323598.4	Small 1m deep linear depression between two units, volcanic mafic units. Probably the fault	RK	9/11/2023
EBY_23_019	558237.1	5323822.4	No outcrop here. It's an alder swamp	RK	9/11/2023
EBY_23_020	558278.1	5323602.8	Ultramafic outcrop	RK	9/11/2023

EBY_23_021	558013.1	5323612.9	North south running fault, north side of the fault there is mafic volcanic outcrop, moderately foliated as opposed to non-foliated mafic volcanics on the south side of the fault.	FT	9/11/2023
EBY_23_022	557949.4	5323997.3	Mafic volcanics dyke intruding foliated intermediate volcanics, striking 070 dipping 60 degrees.	FT	9/13/2023
EBY_23_023	557999.8	5324277.1	swamp	RK	9/13/2023
EBY_23_024	558089.8	5324249.9	Vol mafic outcrops, no sulphide	RK	9/13/2023
EBY_23_025	557496.7	5325105.1	Thick bush	RK	9/15/2023
EBY_23_026	557419.6	5325098	Volcanic mafic outcrops no sulphide	RK	9/15/2023
EBY_23_027	557679.1	5325219.6	Lots of angular cobbles of volcanic mafic. Fault?	RK	9/15/2023
EBY_23_028	557908.4	5325552.5	No outcrop, it's a swamp	RK	9/15/2023
EBY_23_029	557952.3	5325818.4	Conglomerate boulders here	RK	9/15/2023
EBY_23_030	557966.5	5325845.7	Thick bush	RK	9/15/2023
EBY_23_031	557714.2	5325835.1	Swamp	RK	9/15/2023
EBY_23_032	558003.4	5326147.5	Thick alder swamp. No outcrop here	RK	9/16/2023
EBY_23_033	557803.1	5325602.3	Swamp	RK	9/17/2023
EBY_23_034	558269.1	5325596.6	Alder swamp	Rk	9/17/2023
EBY_23_035	558241.4	5325747.7	Shaft	RK	9/17/2023
EBY_23_036	558040.9	5325826.2	Thick bush	Rk	9/17/2023
EBY_23_037	558262.4	5325852	Seater swamp	FT	9/17/2023
EBY_23_038	557161.1	5325233.4	Trail	RK	9/18/2023
EBY_23_039	556776.4	5325283.3	Outcrop has lots of angular cobbles- fractured rock	RK	9/18/2023
EBY_23_040	556843.3	5325848.5	Swamp no outcrop	RK	9/18/2023
EBY_23_041	557421	5325851.9	Volcanic magic Boulders, no sulphide	RK	9/18/2023
EBY_23_042	557488.9	5325790.9	Lots of Intermediate dyke boulders	RK	9/18/2023
EBY_23_043	556768.2	5326541	Possible shaft	RK	9/19/2023
EBY_23_044	556779.4	5326549.5	Silicified gw	RK	9/19/2023
EBY_23_045	555347.1	5325899.1	Overgrown boggy	RK	9/19/2023
EBY_23_046	555497.1	5325575.7	Thick moss and swamp. No outcrop, even if digging	RK	9/19/2023
EBY_23_047	555590.2	5325624.6	Nothing here	RK	9/19/2023
EBY_23_048	555822.4	5325854.8	Thick bush, swamp. No outcrop/float	RK	9/19/2023
EBY_23_049	557049.4	5326202.1	Shaft	RK	9/20/2023
EBY_23_050	557449	5326532.2	Large angular basalt boulders. No sulphide	RK	9/20/2023
EBY_23_051	557337.2	5323096.3	Somebody with dogs living here. Blocking access	RK	9/22/2023

Table 2: Structures measured in the field at the EBY project

Structures Table										
WAYPOINT	**UTM EAST**	**UTM NORTH**	**Feature**	**Azimuth**	**Dip**	**Width (cm)**	**Spacing (cm)**	**Comments**	**Geologist**	**Date**
EBY_STR_23_001	558044.3	5323568	joint	244	56			Joint surface	RK	9/11/2023
EBY_STR_23_002	558100.9	5323739	Quartz Vein	280	30	50	0	Nw running shallow dipping milky quartz vein intruding mafic volcanic unit, about 10m in length.	FT	9/11/2023
EBY_STR_23_003	558072.3	5323892	Quartz Vein	289	40	5		Milky white coarse grained quartz vein hosted in mafic volcanics. 1% subhedral pyrite aggregate mineralization in mafic volcanic Wall Rock. No visible sulphide on the vein.	FT	9/13/2023
EBY_STR_23_004	557949.1	5323998	foliation	304	40	1	1	Foliation plane of vol intermediate	RK	9/13/2023
EBY_STR_23_005	557804.9	5324432	joint	251	58	10	20	Joints, seem to run with fault direction	RK	9/13/2023
EBY_STR_23_006	556836.2	5324241	joint	18	82				RK	9/14/2023
EBY_STR_23_007	556838.8	5324239	joint	270	45	5	10	Closely spaced joint planes on mafic volcanic outcrop.	FT	9/14/2023
EBY_STR_23_008	556775	5324263	Quartz Vein	10	35	4		Milky white coarse grained quartz vein hosted in mafic volcanics. No visible sulphide mineralization present.	FT	9/14/2023
EBY_STR_23_009	556737.1	5324259	Quartz Vein	350	55	10		White coarse grained quartz vein. No visible sulphide present.	FT	9/14/2023
EBY_STR_23_010	557863.7	5325425	joint	20	85	50	50		RK	9/15/2023
EBY_STR_23_014	557759.7	5325605	joint	90	70				RK	9/17/2023
EBY_STR_23_015	557852.5	5325634	joint	236	80				RK	9/17/2023
EBY_STR_23_016	558261.1	5325687	foliation	260	30			Moderately penetrative foliation plane on mafic volcanic outcrop	FT	9/17/2023
EBY_STR_23_017	557042.4	5325215	joint	80	80				RK	9/18/2023
EBY_STR_23_018	556760.9	5326552	foliation	350	25		1	Shallow dipping foliation surface on conglomerate outcrop	FT	9/19/2023
EBY_STR_23_019	555694.3	5326275	foliation	300	25		1	Moderately penetrative foliation plane.	FT	9/19/2023
EBY_STR_23_020	556874.8	5326664	foliation	70	80			Foliation in outcrop	RK	9/19/2023
EBY_STR_23_021	556848.4	5326627	foliation	40	45				RK	9/20/2023
EBY_STR_23_022	556787	5326541	foliation	345	65		1	Moderately penetrative foliation surface	FT	9/20/2023
EBY_STR_23_023	558628.8	5324268	joint	10	45	5	5	Moderately dipping joint plane.	FT	9/21/2023

EBY_STR_23_024	558610.7	5324332	joint	128	70				RK	9/21/2023

Table 3: Samples collected on the EBY project

Sample Table						
Sample number	**UTM EAST**	**UTM NORTH**	**Lithology**	**Comments**	**Claim**	**Au ppm**
11701	558069	5323545.3	Hydrothermal Breccia undifferentiated	Large angular bolder of Hydrothermal breccia, with strong silica and chlorite alterations. FG disseminated py at 2% with 10% hematite and patchy epidote at 5%	576251	0.005
11702	558103	5323739.9	Volcanic Mafic undifferentiated	Mafic volcanic outcrop with qtz vein contact. Moderate silica and chlorite altered. With small patchy py blebs.	576251	0.005
11704	558236	5323566.9	Volcanic Mafic undifferentiated	Volcanic mafic outcrop under moss. Moderate silica altered. With veinlets of epidote at 10%. FG disseminated py and patchy py observed at 3%	576262	0.005
11651	558046	5323562.1	Volcanic Mafic undifferentiated	Mafic volcanic outcrop, dark fine grained strongly silicified, moderately chloritized, trace disseminated py, moderate magnetic, outcrop on N-S running folds	576251	0.005
11652	558170	5323626.6	Syenite	dark brick red syenite, strongly silicified, moderate hematized. weakly magnetic. weak sulphide mineralization	576251	0.005
11703	558234	5323630.2	Volcanic Mafic undifferentiated	Dark grey mafic volcanic outcrop. strongly silicified, moderately silicified. about 3-4% sulphide mineralization	576262	0.005
11705	558250	5324082.4	Volcanic Mafic undifferentiated	Volcanic mafic outcrop. Moss covered. Strongly silica altered with small yellow to greenish epidote veins. Patchy hematite observed and trace to 1% FG disseminated py.	576259	0.005
11706	558256	5324066.6	Volcanic Mafic undifferentiated	Volcanic mafic float, angular likely in situ as it's the same as the outcrop. Strongly silica alteration. Fracture controlled epidote at 20%. Patchy hematite at 10%. FG disseminated py at 5%	576259	0.005
11707	558324	5324051.8	Volcanic Mafic undifferentiated	V.mafic outcrop. Strongly silica altered with weak chlorite alteration. Contains coarse grains of blebby py 1mm in size. Weak magnetic patches.	576259	0.005
11653	558257	5324072.7	Volcanic Mafic undifferentiated	Light grey green mafic volcanics. Strongly silicified, moderately chloritized. 1-2cm wife epidote veins, Trace qtz carb veinlets.	576259	0.005
11654	558320	5324051.3	Volcanic Mafic undifferentiated	Light green grey mafic volcanics. Strongly silicified, moderately chloritized, moderate patchy and veinlets of epidote. 2-3% medium grained pyrite mineralization.	576259	0.005
11655	558345	5324066.6	Volcanic Mafic undifferentiated	Light grey green mafic volcanics. Strong silica, moderate chlorite and weak epidote and qtz carb alteration. 3% fine grained disseminated pyrite mineralization	576259	0.005

11656	558329	5324156.6	Volcanic Mafic undifferentiated	Light grey green mafic volcanics. Strongly silicified, moderately chloritized, weak epidotization, weak hematization. Trace qtz carb veinlets. 5% fracture/ vein-controlled pyrite mineralization.	576259	0.005
11657	558401	5324370.5	Volcanic Mafic undifferentiated	Light grey mafic volcanic outcrop. Strongly silicified, moderately chloritized. 2% fine grained disseminated pyrite	576259	0.005
11658	558072	5323893.6	Volcanic Mafic undifferentiated	Light Grey fine grained mafic volcanics. Strongly solicited, moderately chloritized, moderate oxidized surface, hosts a 5cm wide quartz vein. Subhedral pyrite aggregate mineralization on the wall rock, no visible sulphide on the vein. Non magnetic.	576251	0.005
11659	557758	5324092.6	Chert	Grey fine grained foliage chert? Strongly silicified, moderately chloritized, fracture controlled qtz carb veinlets, 3%fracture controlled euhedral pyrite mineralization.	576255	0.005
11660	557652	5324366.1	Volcanic Mafic undifferentiated	Light Grey green mafic volcanics. Strong silica, moderate chlorite, weak carbonate alteration. 2% subhedral fine to medium grained disseminated pyrite mineralization. Non-magnetic.	576254	0.005
11661	557639	5324439.7	Volcanic Mafic undifferentiated	Grey fine grained with semi-oxidized quartz vein. The quartz vein is about 10cm wide partially oxidized with fractured filled chlorite veinlets. 5% subhedral disseminated pyrite mineralization both on Wall rock and the vein. Non magnetic	576254	0.005
11662	557825	5324399.7	Syenite	Brick red coarse brained syenite. Strong silicification, moderate to strong kspar, weak carbonate alteration. On magnetic. Trace blebby pyrite mineralization. Float sample.	576255	0.005
11708	558073	5323892.8	Volcanic Mafic undifferentiated	Volcanic mafic angular float. Looks similar to outcrop it is sitting on. Strong silica alteration weak chlorite alteration. Contains 2% hairline stringers of FG disseminated py. 1% patchy euhedral py. About 15% is made up of Fe02 replaced disseminated py	576251	0.005
11709	557689	5324181.4	Syenite	Sub angular syenite boulder. Pink to grey, Strong silica alteration with trace FG disseminated py	576254	0.005
11710	557646	5324372.6	Volcanic Mafic undifferentiated	Volcanic mafic outcrop moderate silica altered weakly chlorite altered. Contains patches of hematite. 2% Py is 1-2 mm euhedral. Some FG disseminated py observed at 2% with trace seen in oxidized veinlets	576254	0.005

11711	557820	5324403.1	Volcanic Mafic undifferentiated	Volcanic mafic breccia moderate silica alteration chlorite altered. Red coasts observed. Trace FG disseminated py sub angular large boulder	576255	0.01
11712	557073	5324165.2	Volcanic Mafic undifferentiated	Moss covered outcrop of vol mafic moderate silica altered weakly chlorite altered. Contains 1% py of which half is FG euhedral and half is FG disseminated. Strongly magnetic rock	576270	0.005
11713	556700	5324293.9	Volcanic Mafic undifferentiated	Volcanic magic angular float, moderate silica altered weakly chlorite altered. Contains 1cm thick epidote veins and hairline FeO2 veinlets. 2% FG disseminated py seen with a trace amount of euhedral py	576265	0.005
11714	557721	5324019.3	Volcanic Mafic undifferentiated	Volcanic mafic outcrop moderate silica alteration weak chlorite altered. 1% FG disseminated py	576254	0.005
11663	556728	5324268	Volcanic Mafic undifferentiated	Dark Grey fine grained mafic volcanics. Moderately silicified and chloritized, about 2% 2-3 cm wide creamy fine grained carbonate veinlets, 3% disseminated pyrite along the margin of carbonate veins. Weakly oxidized	576265	0.005
11664	556713	5324481.3	Volcanic Mafic undifferentiated	Light Grey fine grained mafic volcanics. Strongly silicified, moderately chloritized. 4% disseminated pyrite.	576258	0.005
11665	557619	5324884	Volcanic Mafic undifferentiated	Mafic volcanic float. Strongly silicified, moderately chloritized, weak carbonate alteration. 5% disseminated and 2% euhedral blebby pyrite crystals.	576271	0.005
11666	557761	5325341.8	Volcanic Mafic undifferentiated	Grey fine grained mafic volcanic. Strongly silicified, moderately chloritized, weak to moderate carbonatization. About 8% fine grained disseminated pyrite.	576276	0.005
11667	557882	5325434.7	Volcanic Mafic undifferentiated	Light Grey fine grained mafic volcanics, strongly silicified and chloritized, strong oxidized surface, wea, carbonate alterations.	297246	0.005
11715	557383	5325180.9	Volcanic Mafic undifferentiated	Volcanic mafic outcrop, moderate silica and chlorite alteration. Some chlorite is observed as a replacement in stringers. 1% FG disseminated py. Strongly magnetic	576274	0.005
11716	557759	5325335.6	Intermediate Dyke undifferentiated	Sub rounded fractured float, of intermediate dyke, strongly silica altered moderate chlorite altered. 3% large 1mm disseminated euhedral py	576276	0.005
11717	557842	5325388.8	Volcanic Mafic undifferentiated	Volcanic mafic, strongly silica altered moderate chlorite altered. Has 5% carb veins and 2% fg disseminated py	576276	0.005

11718	557720	5325639.8	Volcanic Mafic undifferentiated	Outcrop beside trail. Volcanic mafic. Moderate silica alteration weakly chlorite altered. Some hematite patches observed. 1% fg disseminated py. Weakly magnetic	309440	0.005
11719	557473	5325936.7	Volcanic Mafic undifferentiated	Sub angular 1m wide float/bolder. Strongly silica altered weakly chlorite altered. Has carbonate stringers with 1% fg disseminated py	130723	0.005
11668	557469	5325934.2	Volcanic Mafic undifferentiated	Light Grey fine grained mafic volcanics. Strong silica, moderate chlorite, moderate carbonate and hematite alterations. 2%disseminated pyrite along mm size qtz carb veinlets.	130723	0.005
11672	558294	5326321	Mafic flow breccia	Light Grey mafic flow Breccia (deformed feldspar clasts) sub angular float. Strongly silicified, moderately chloritized, trace qtz carb veinlets.2% fine grained disseminated pyrite and 2% subhedral medium grained fracture-controlled pyrite mineralization	223033	0.02
11723	557765	5325601.7	Volcanic Mafic undifferentiated	Volcanic magic angular float, on top of volcanic magic outcrop. Folliated with stringers that contain 1% sulphide. Some of which has been Fe oxidized.	297246	0.005
11724	557853	5325633.1	Volcanic Mafic undifferentiated	Volcanic mafic outcrop, with moderate silica alteration and weak chlorite alteration. Contains carbonate stringers that has a foliated look to it. Contains 2% py and 5% FeO2. Very weak magnetic.	297246	0.005
11725	558017	5325606.1	Syenite	Sub rounded syenite float. Moderate silica altered. No visible sulphide	297246	0.005
11726	558092	5325638.5	Intermediate Dyke undifferentiated	Int dyke sub rounded float. Strongly silica altered and moderate chlorite altered. Contains 10% patchy calcite. 5% Fe02 and 3% fg disseminated py	297246	0.005
11727	558112	5325558.2	Volcanic Mafic undifferentiated	Volcanic mafic, strong silica alteration moderate chlorite alteration. 2% fg disseminated py and 1% veinlets of FG disseminated py	297246	0.005
11728	558261	5325689.8	Volcanic Mafic undifferentiated	Volcanic mafic outcrop foliated with weak silica and chlorite alteration, with 2% FG disseminated py running with foliation and a 2% late FG disseminated py throughout.	576341	0.005
11673	557772	5325594.3	Volcanic Mafic undifferentiated	Grey green mafic volcanics. Strongly silicified and chloritized, weak to moderate carbonatization, weak oxidized surface. Trace qtz carb veinlets, 1% euhedral medium grained disseminated pyrite on Wall rock	297246	0.005

11674	557881	5325640.8	Volcanic Mafic undifferentiated	Dark green medium grained mafic volcanics. Strongly silicified and chloritized, weak carbonate alterations, weak oxidized surface, trace qtz carb veinlets, 1% subhedral disseminated pyrite.	297246	0.005
11675	558032	5325677.1	Syenodiorite	Reddish grey medium grained syenodiorite? Strongly silicified, weakly to moderately chloritized, weak hematite alterations, 2% disseminated fine grained pyrite.	297246	0.005
11676	558041	5325693.7	Quartz-Feldspar porphyry	Light Grey medium to coarse grained (quartz and feldspar phenos), strongly silicified, moderate feldspar alteration, weakly chloritized, weakly oxidized surface, 4% disseminated pyrite. Angular float.	297246	0.005
11729	557066	5325237.8	Syenite	Sub rounded boulder of syenite with moderate silica alteration and 3% FG disseminated py. Has quartz carb veinlets.	576275	0.01
11730	556778	5325285.9	Volcanic Mafic undifferentiated	Volcanic mafic outcrop, fractured with moderate silica alteration and weak chlorite alteration. Has 2% FG disseminated py, some patches of aggregate. 2% dark spots of magnetite. Strongly magnetic	576273	0.005
11731	557488	5325791	Intermediate Dyke undifferentiated	Angular intermediate dyke boulder. Moderate silica alteration. Small amount of k-spar, mostly plag. Trace fg disseminated py	309440	0.005
11677	557037	5325214.3	Volcanic Mafic undifferentiated	Light green medium grained mafic volcanics. Strongly chloritized, moderately silicified, weak carbonatization, weak oxidized surface. Trace qtz carb veinlets, 5% medium grained subhedral pyrite mineralization.	576275	0.005
11678	556777	5325389.4	Volcanic Mafic undifferentiated	Light Grey medium grained weakly sheared mafic volcanics, trace qtz carb veinlets. 2% euhedral blebby pyrite mineralization.	200471	0.005
11679	556878	5326663	Conglomerate	Reddish Grey medium grained matrix with gravel size clasts of feldspar and chest. Strongly silicified, moderately hermitized, weakly chloritized, 1% semi massive pyrite mineralization. Weakly to moderately sheared.	279049	0.07
11681	555689	5326271.6	Volcanic Mafic undifferentiated	Light Grey fine grained moderately foliated/sheared mafic volcanics. Very trace pyrite mineralization.	138384	0.005
11732	556875	5326663.7	Conglomerate	Conglomerate? Breccia? Angular float, made up of volcanic mafic and syenite. Moderate silica altered. String Fe02 altered. trace sulphide.	279049	0.005

11733	556316	5326470.9	Volcanic Mafic undifferentiated	Sub rounded float. Volcanic mafic boulder with moderate silica and weak chlorite alteration. Contains fg disseminated py that wins in veinlets.	207795	0.005
11734	556795	5326544	Conglomerate	Outcrop, strongly foliated, sample piece made up of fine grain intermediate volcanic and gravel sized kFeld rich inclusions. Moderate chlorite and silica altered, with 1% fg disseminated py	279049	0.02
11735	556744	5326447.5	Mafic flow breccia	Large sub angular boulder of mafic flow breccia. Matrix made up of magnetic mafic volcanic with gravel sized angular poorly sorted clasts of K-spar rich syenite. Whole unit is strongly silicified and moderate chlorite altered within the matrix. Trace 0.5	207795	0.005
11682	556984	5326190.2	Volcanic Mafic undifferentiated	Dark Grey medium grained mafic volcanics float. Strongly silicified and chloritized, weak to moderate carbonate alterations, trace qtz carb veinlets. 1% subhedral disseminated pyrite mineralization	267078	0.005
11684	558193	5323980	Volcanic Mafic undifferentiated	Grey medium grained mafic volcanics. Strongly silicified, moderately chloritized, weak oxidized surface, trace qtz carb veinlets, trace subhedral pyrite mineralization. Weakly magnetic.	576251	0.005
11685	558163	5324084	Volcanic Mafic undifferentiated	Light Grey fine grained mafic volcanics. Strong silica, moderate service, weak chlorite alterations. 5% Patchy and semi massive pyrite mineralization. Weakly magnetic.	576255	0.005
11686	558146	5324381.9	Volcanic Mafic undifferentiated	Dark green medium grained mafic volcanic. Strongly silicified, chloritized, weakly carbonatized, weak oxidized surface. Trace qtz carb veinlets, trace subhedral disseminated pyrite mineralization.	576255	0.005
11687	558403	5324577.5	Volcanic Mafic undifferentiated	Dark Grey fine grained mafic volcanics. Strong chlorite, moderate silica, weak carbonate alterations, moderate oxidized surface, weak qtz carb veinlets. Trace blebby pyrite mineralization. Weakly magnetic.	576256	0.03
11688	558608	5324324.5	Volcanic Mafic undifferentiated	Light fine grained mafic volcanics. Strongly silicified, moderately, weak qtzcatb veinlets, trace disseminated pyrite mineralization, non-magnetic	576259	0.005
11737	558174	5323969.6	Volcanic Mafic undifferentiated	Volcanic mafic outcrop, very hard strongly silicified weak chlorite altered. 2% vfg disseminated py.	576251	0.005

11738	558171	5324120.3	Volcanic Mafic undifferentiated	Volcanic mafic outcrop weak silica and chlorite altered, a little brittle, contains 2% fg disseminated py most of which is euhedral and accumulated around the edges.	576255	0.005
11739	558293	5324585.3	Volcanic Mafic undifferentiated	Volcanic mafic outcrop, v hard strongly silicified moderate chlorite altered. Has carb stringers, that have a greenish color. 3% vfg disseminated py. Weakly magnetic overall, strong in patches	576256	0.005
11741	558539	5324343.4	Syenite	Syenite sub rounded float. Moderate silica altered. Strong K-spar altered. No visible sulphide	576259	0.005
11742	558661	5324248.7	Volcanic Mafic undifferentiated	Volcanic mafic outcrop, strongly silicified weakly chlorite altered. 5% hematite patches and 5% sulphide content	576259	0.005
11693	558335	5323590.4	Volcanic Mafic undifferentiated	Volcanic mafic outcrop, moderate silica weak chlorite altered. Contains 1% fg disseminated py. Weakly magnetic	576262	0.005
11694	557067	5324020.7	Volcanic Mafic undifferentiated	Dark fine grained mafic volcanics, strongly silicified and chloritized, wea, qtzcarb veinlets, trace to 1% disseminated pyrite, weakly magnetic	576270	0.005
11695	557092	5323938.6	Volcanic Mafic undifferentiated	Volcanic mafic outcrop, moderate chlorite altered weakly silicified. 1% FG disseminated py that is vein controlled, Fe02 also seen in these stringers. 1% FG disseminated py throughout.	576269	0.005

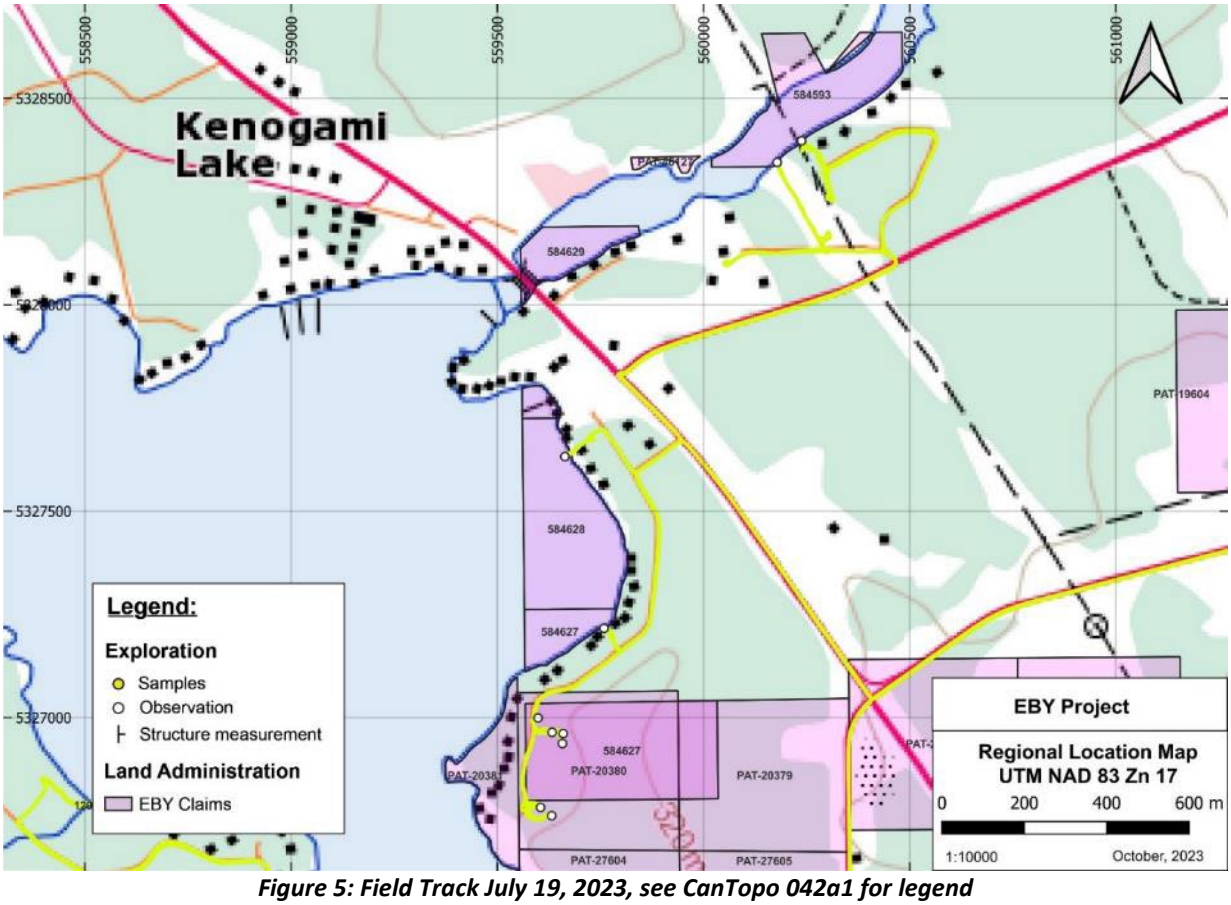


Figure 5: Field Track July 19, 2023, see CanTopo 042a1 for legend

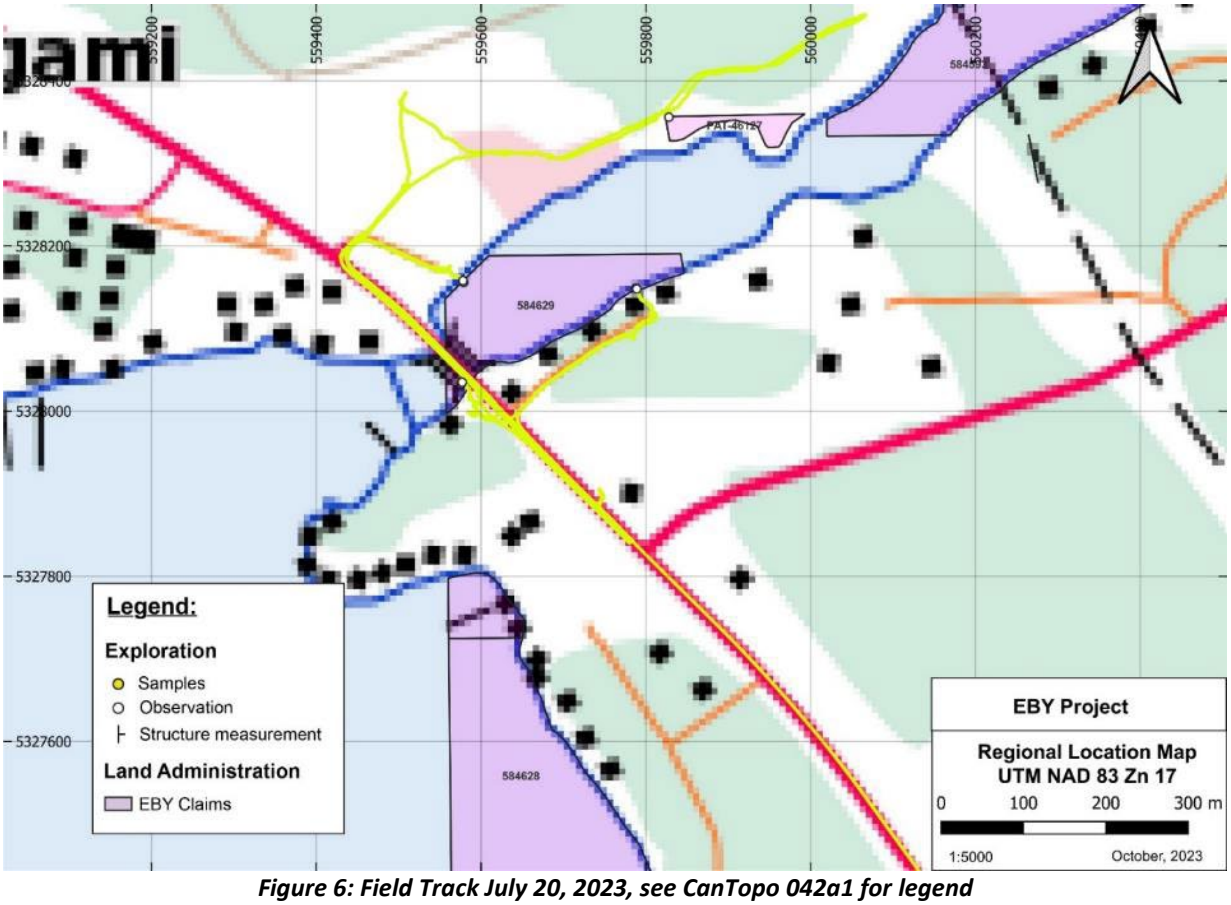


Figure 6: Field Track July 20, 2023, see CanTopo 042a1 for legend

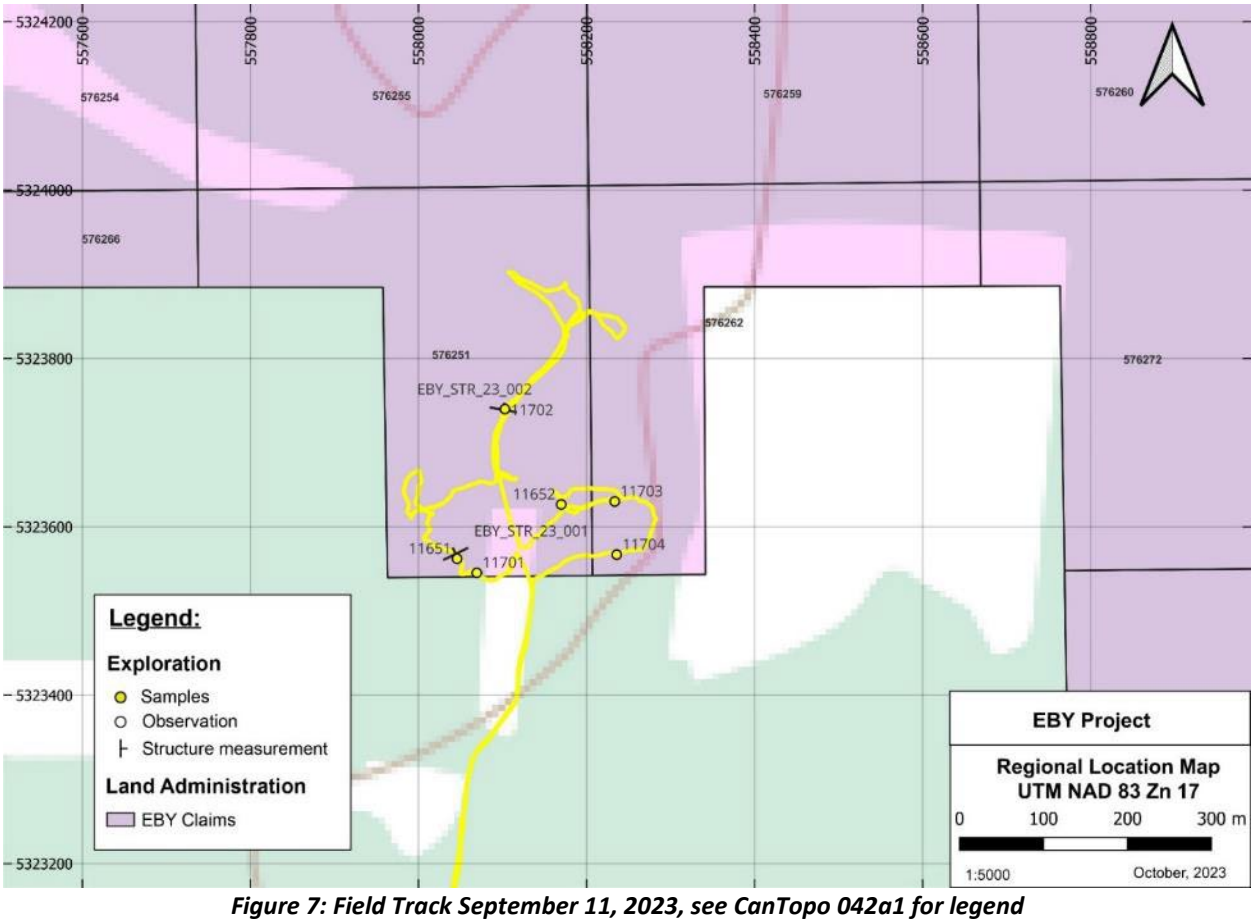


Figure 7: Field Track September 11, 2023, see CanTopo 042a1 for legend

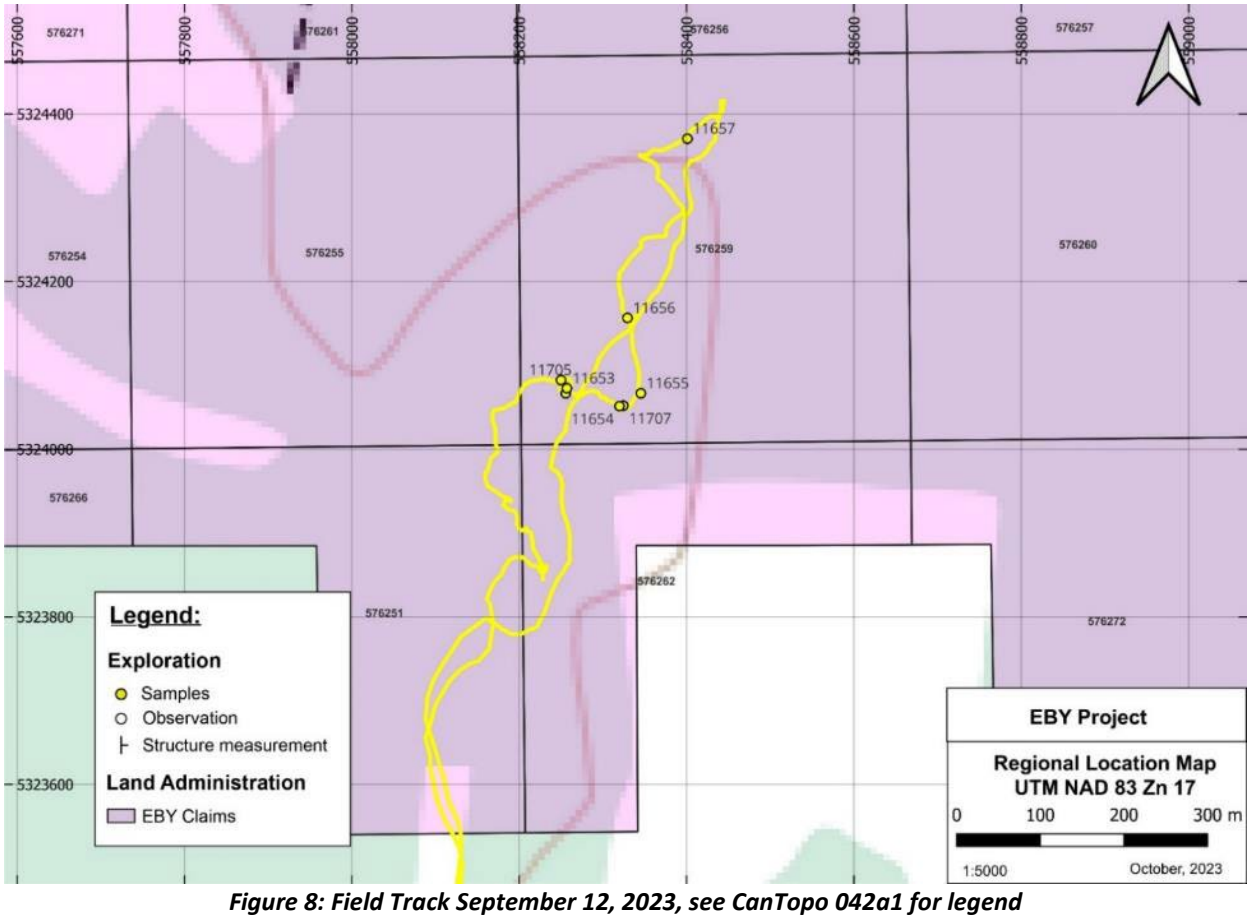


Figure 8: Field Track September 12, 2023, see CanTopo 042a1 for legend

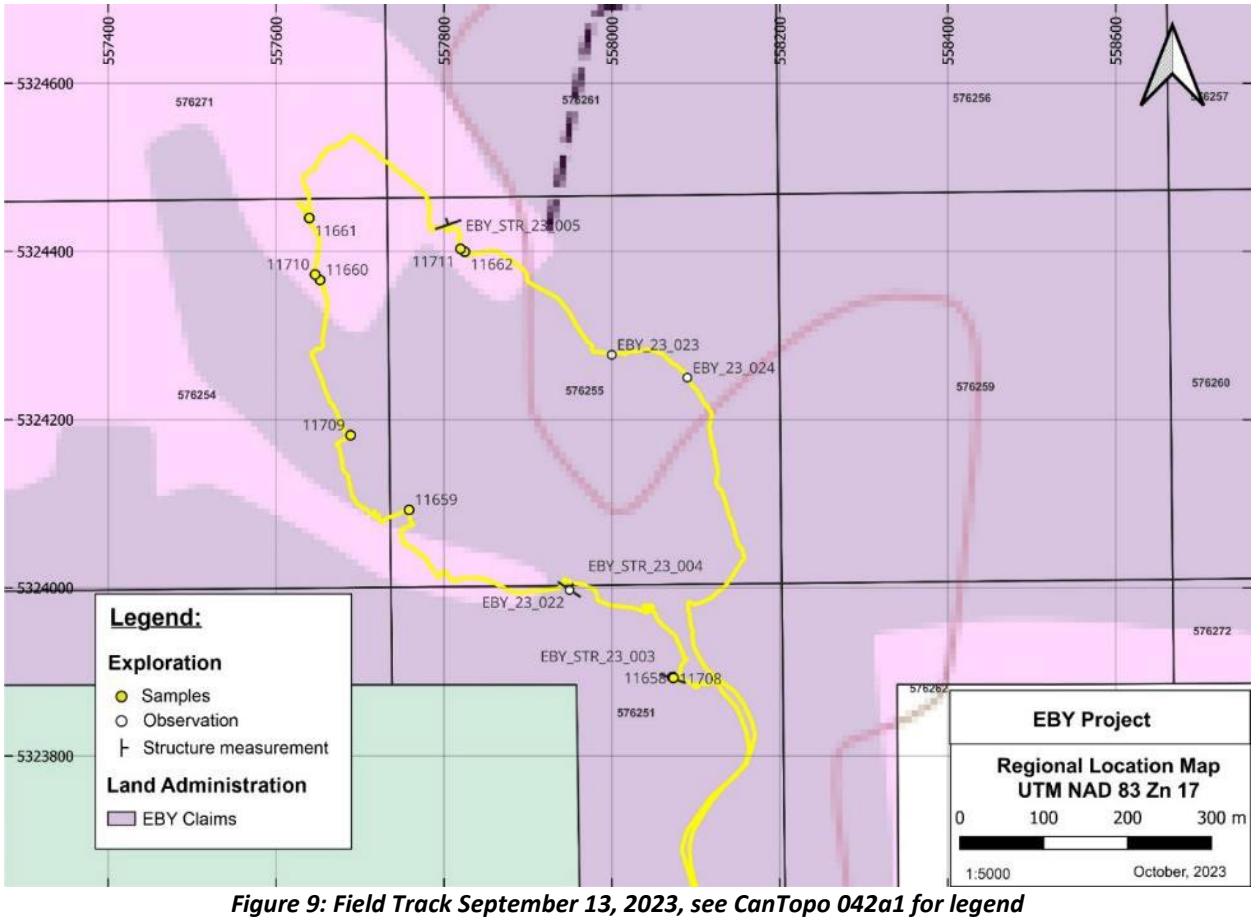


Figure 9: Field Track September 13, 2023, see CanTopo 042a1 for legend

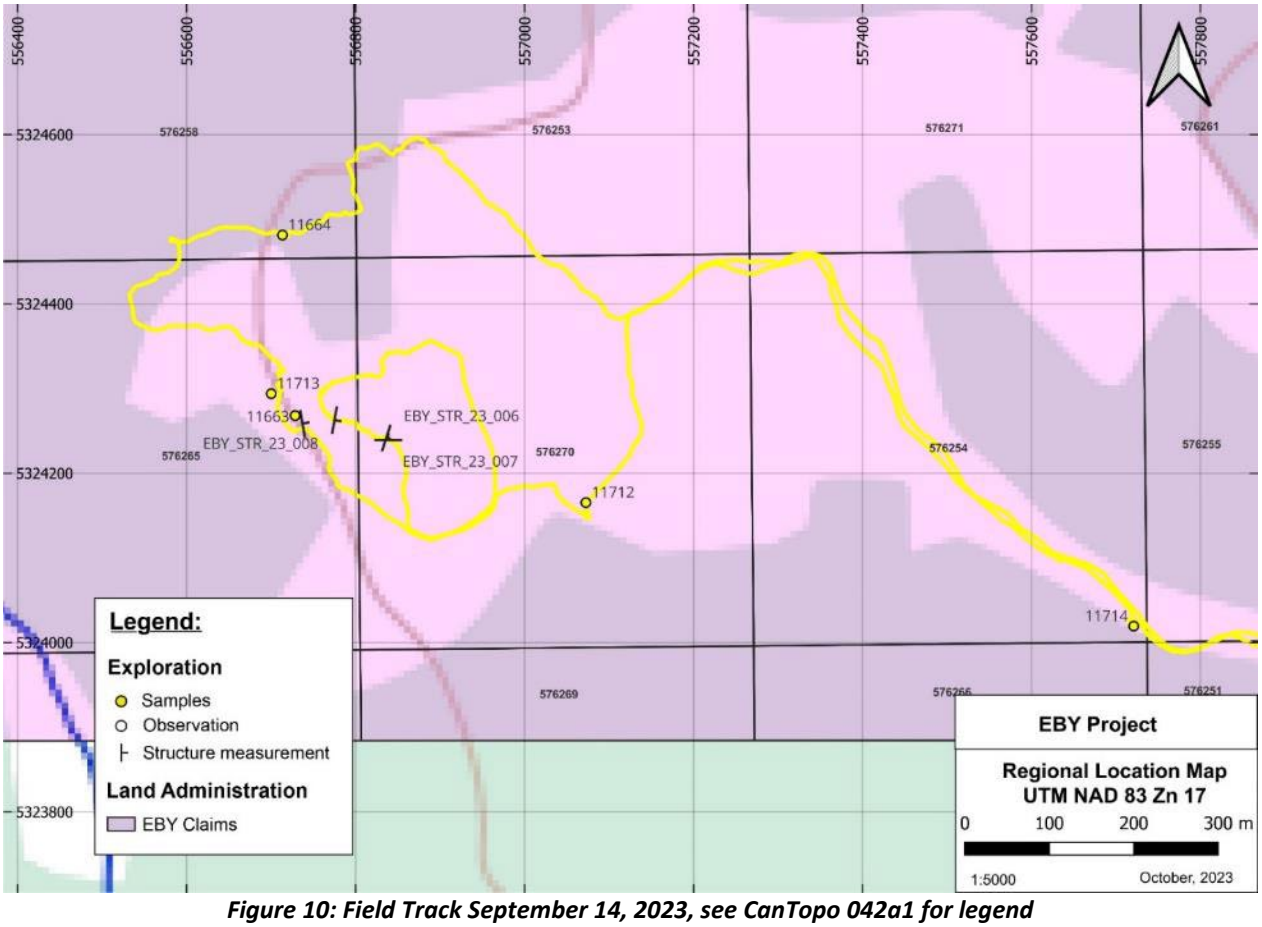


Figure 10: Field Track September 14, 2023, see CanTopo 042a1 for legend

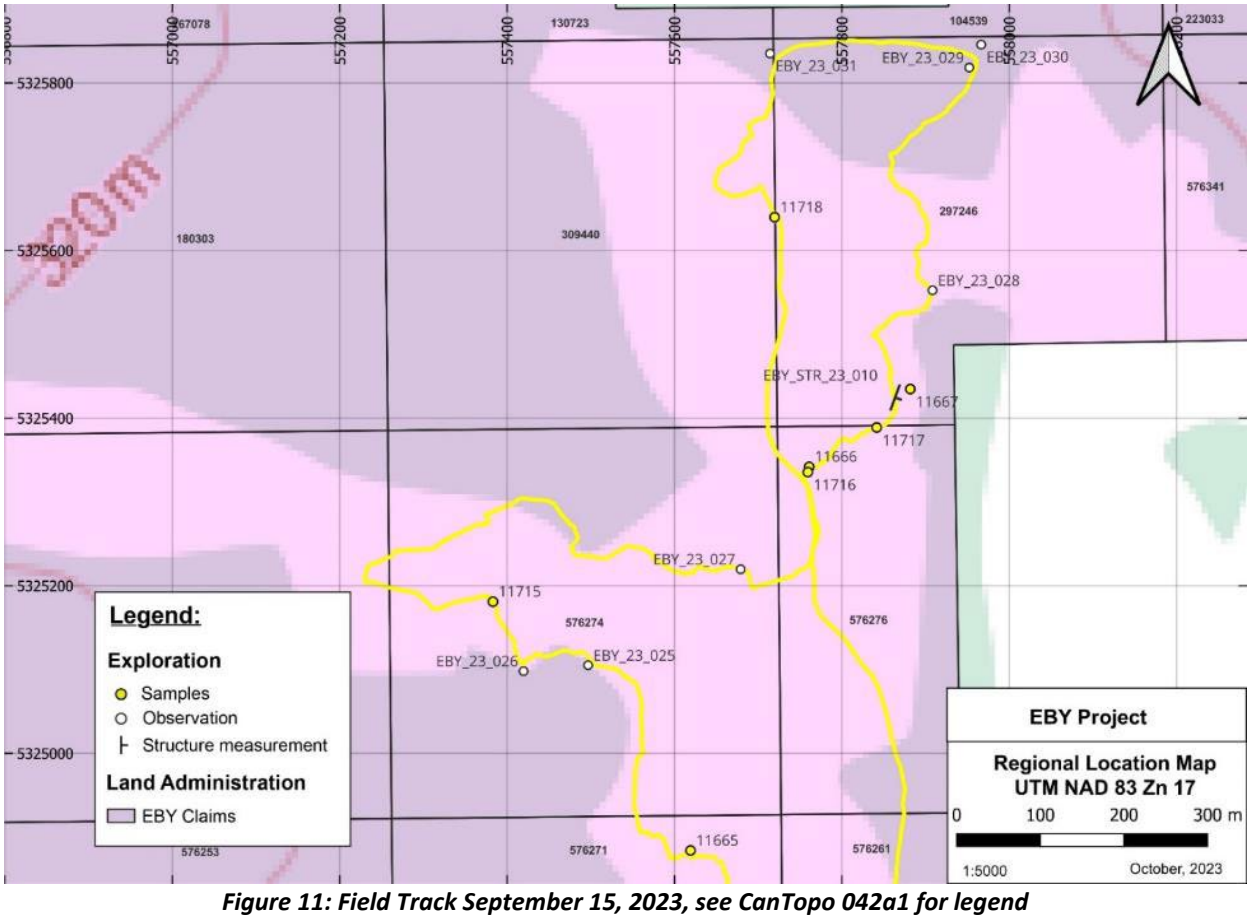


Figure 11: Field Track September 15, 2023, see CanTopo 042a1 for legend

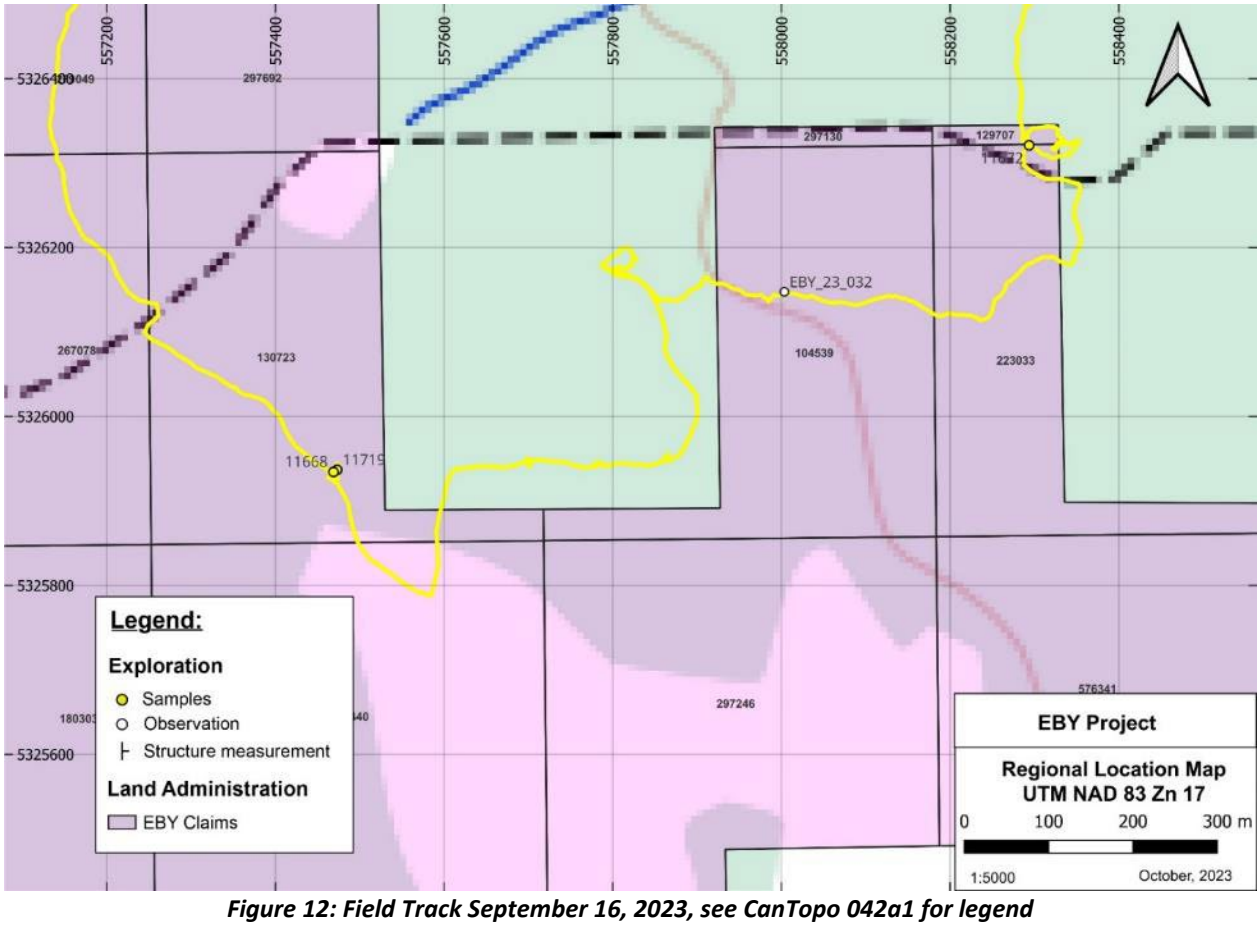


Figure 12: Field Track September 16, 2023, see CanTopo 042a1 for legend

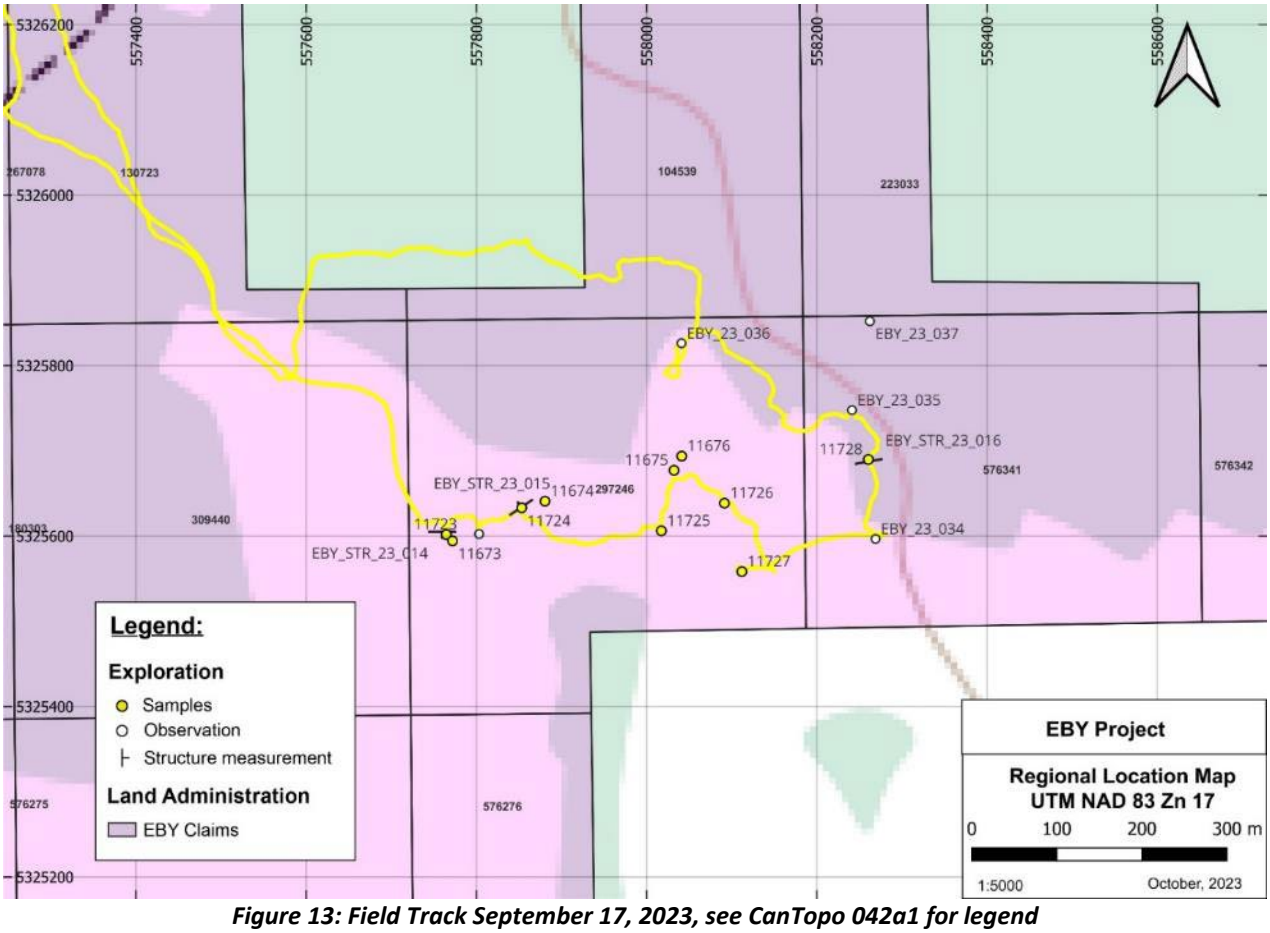


Figure 13: Field Track September 17, 2023, see CanTopo 042a1 for legend

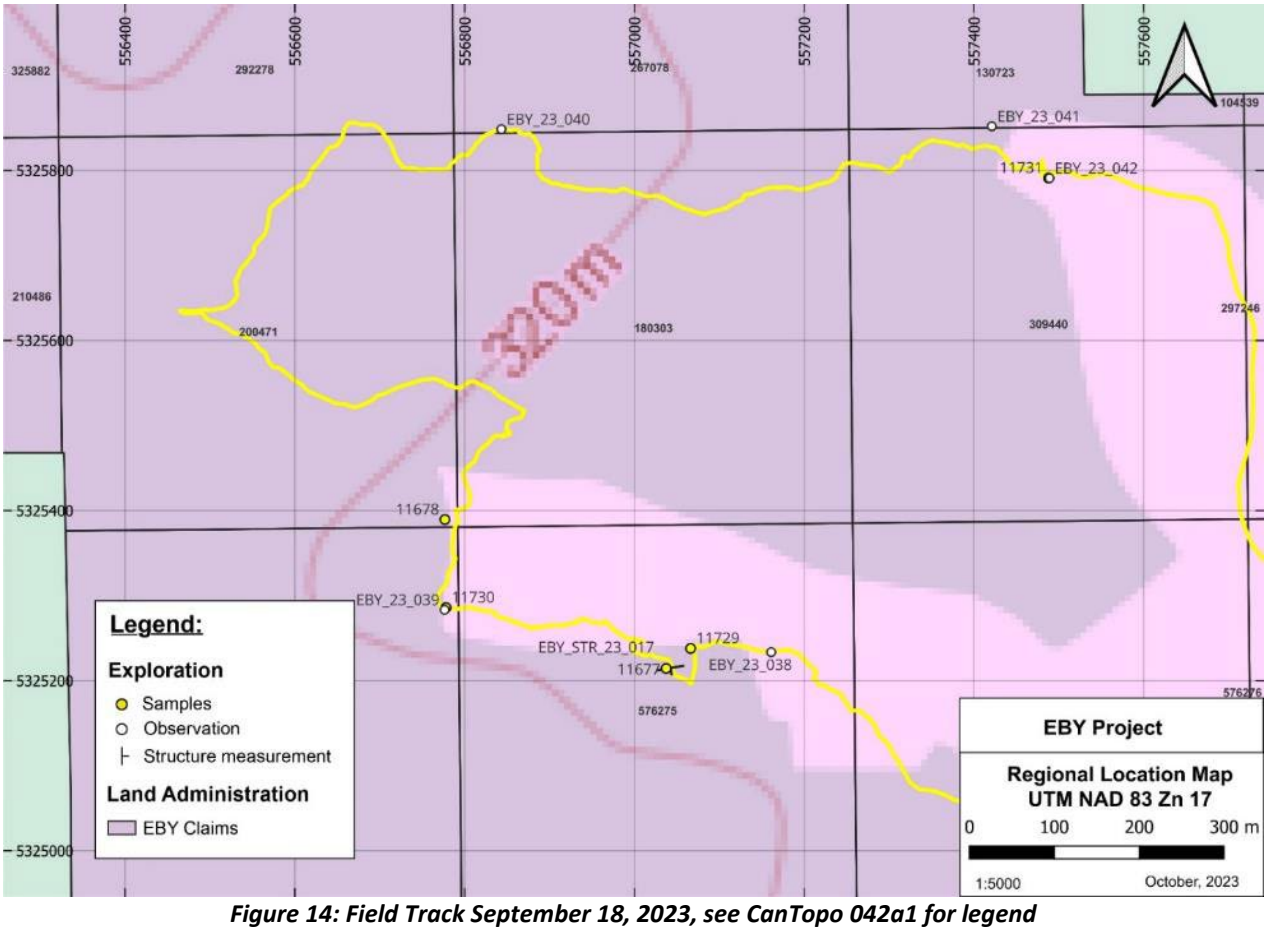


Figure 14: Field Track September 18, 2023, see CanTopo 042a1 for legend

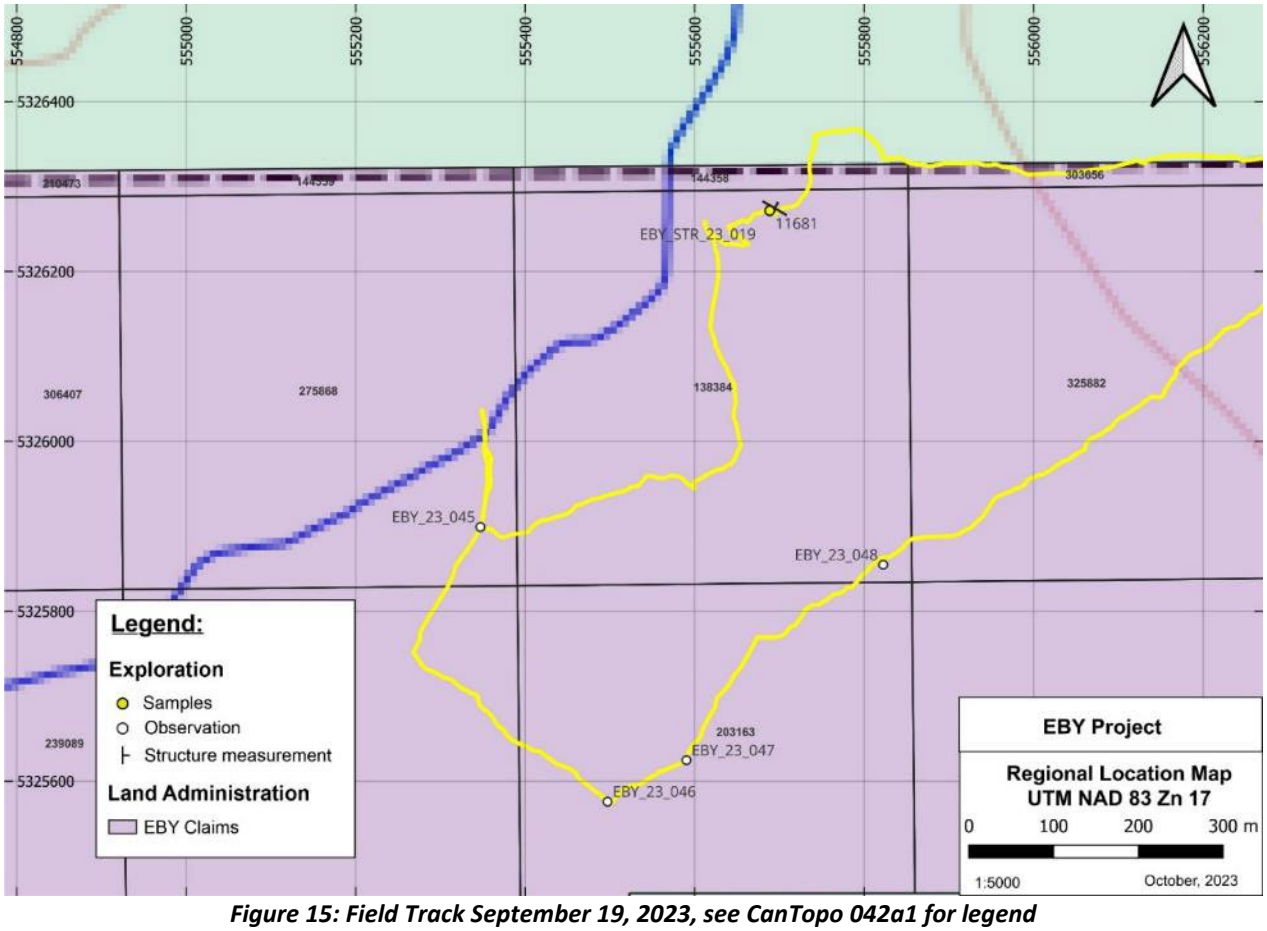


Figure 15: Field Track September 19, 2023, see CanTopo 042a1 for legend

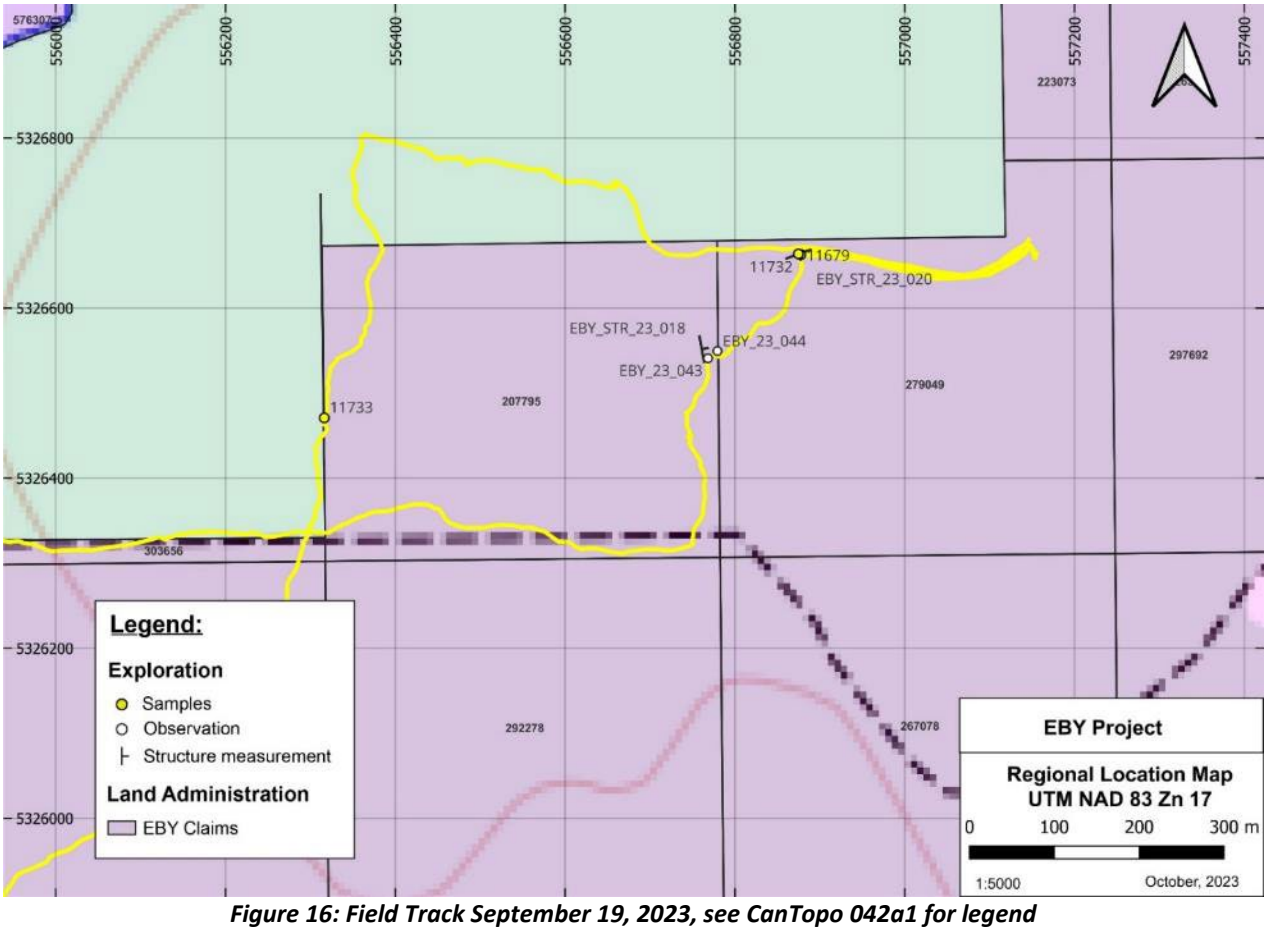


Figure 16: Field Track September 19, 2023, see CanTopo 042a1 for legend

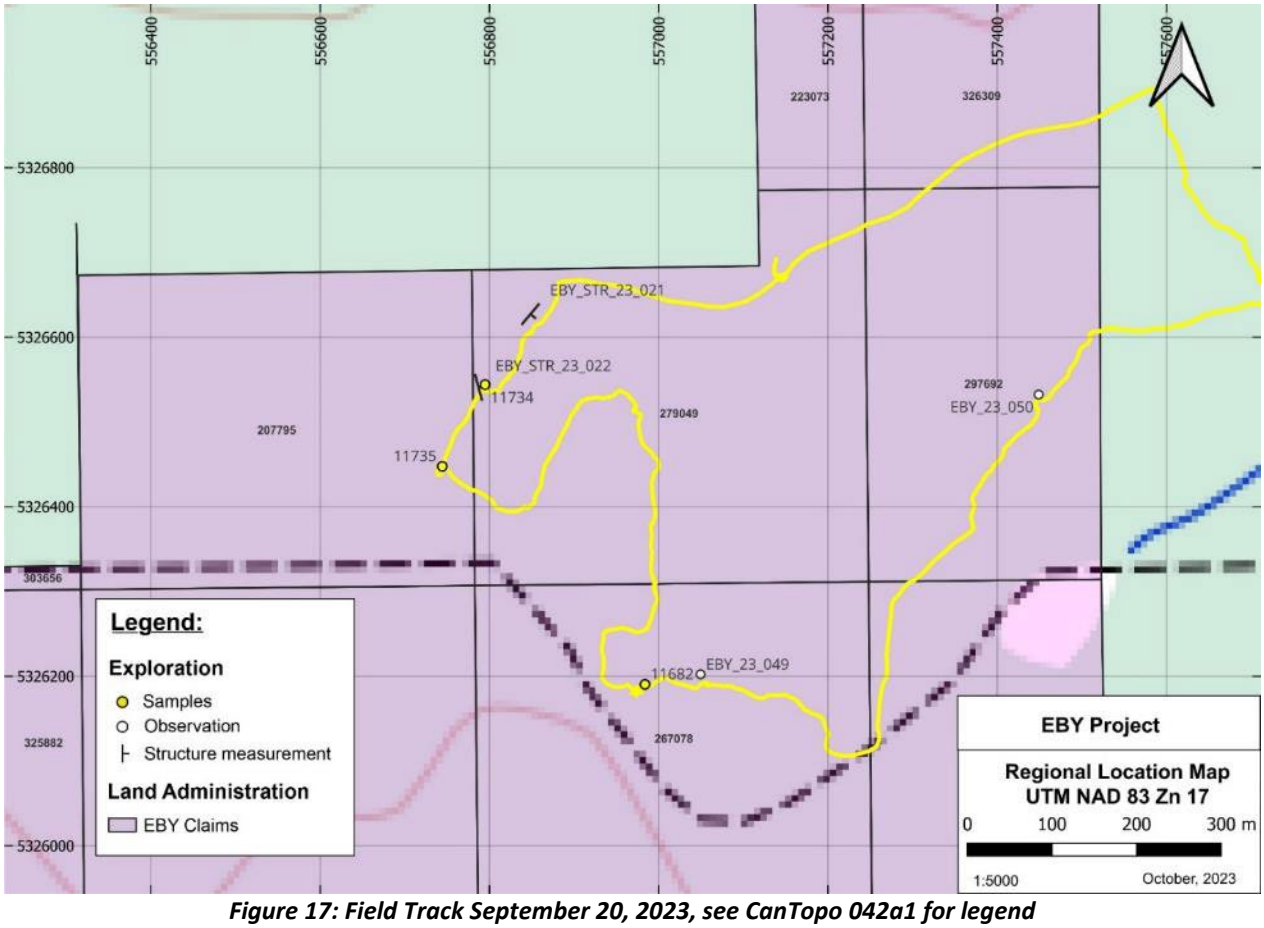


Figure 17: Field Track September 20, 2023, see CanTopo 042a1 for legend

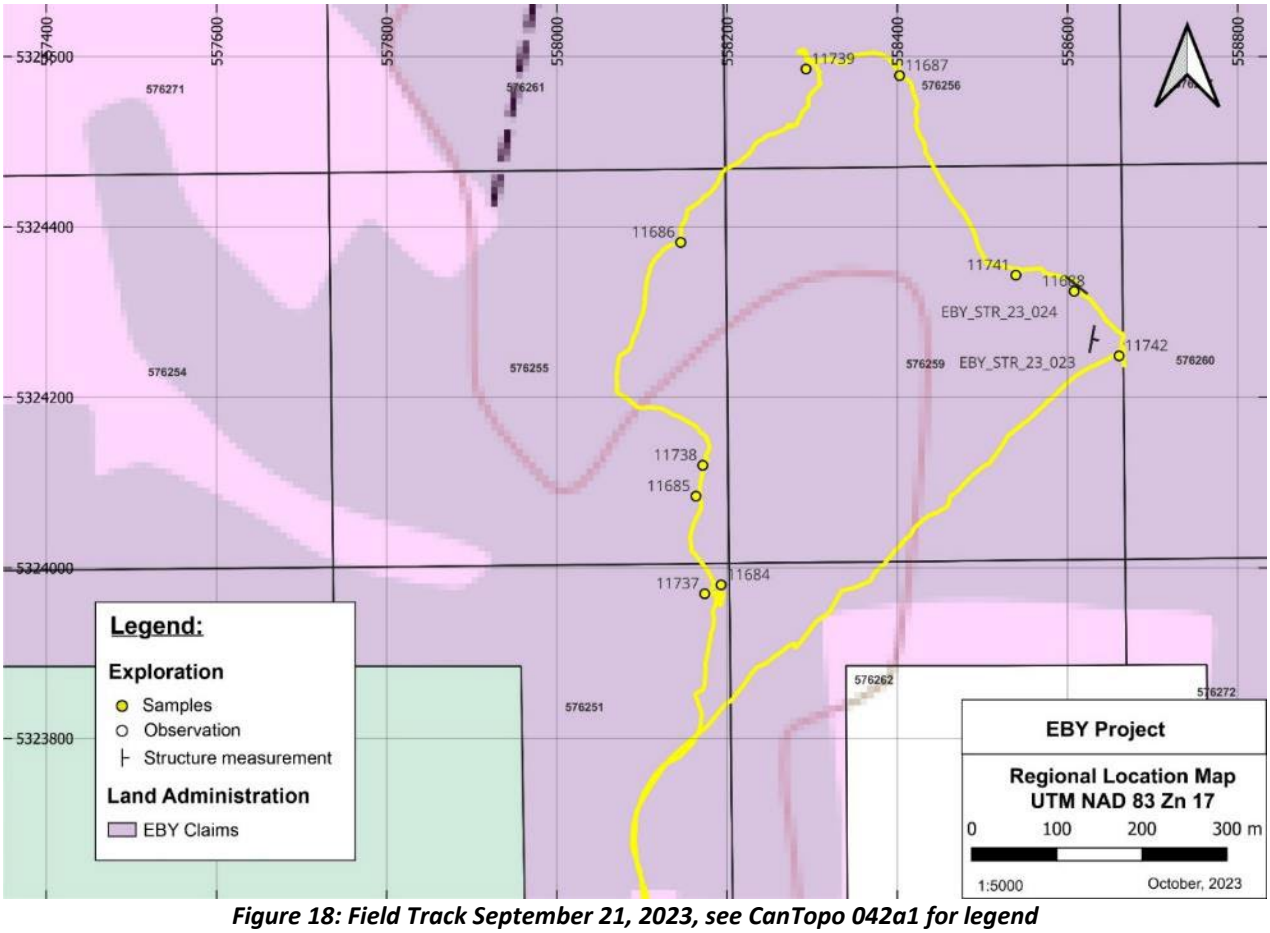


Figure 18: Field Track September 21, 2023, see CanTopo 042a1 for legend

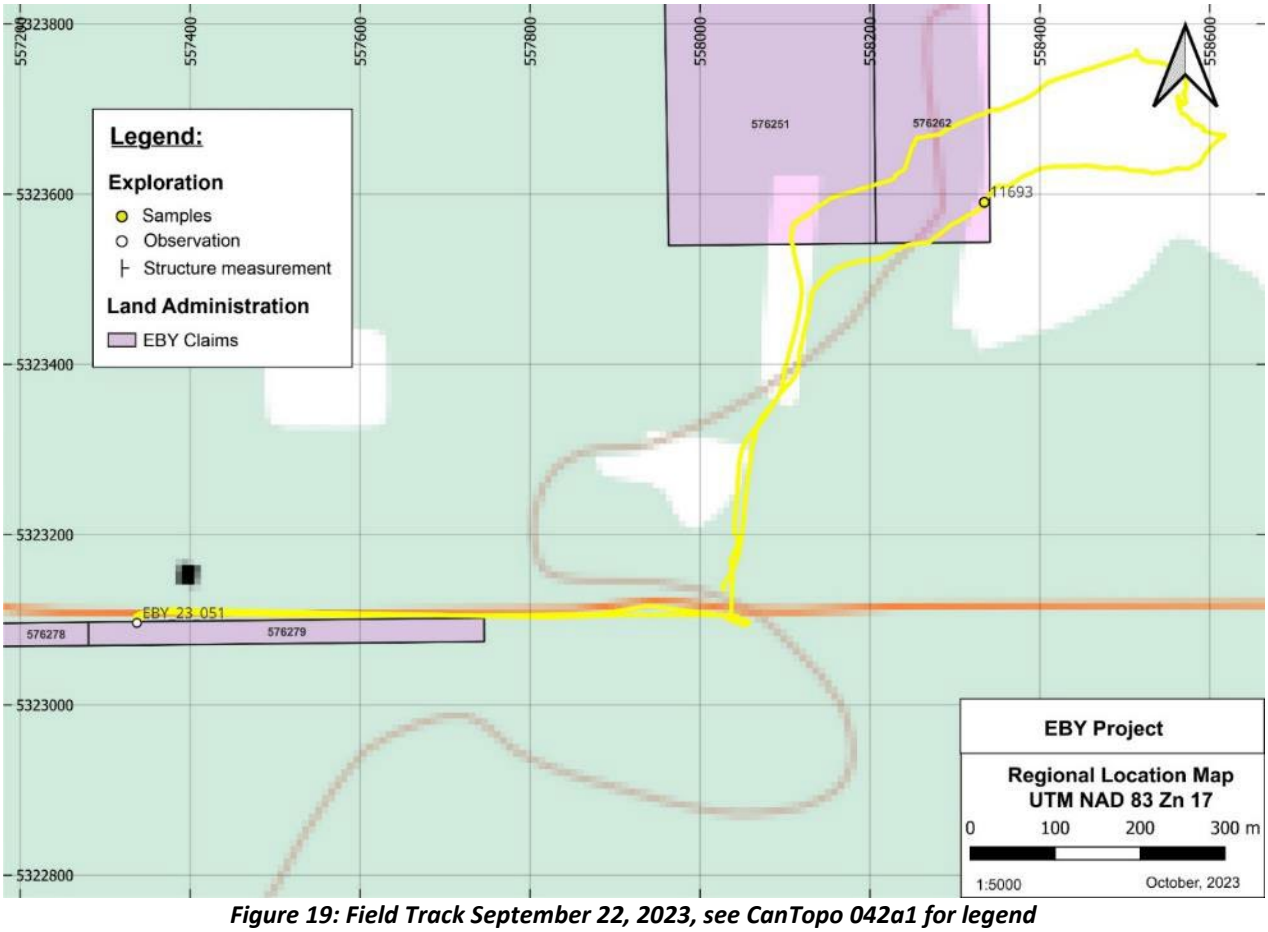


Figure 19: Field Track September 22, 2023, see CanTopo 042a1 for legend

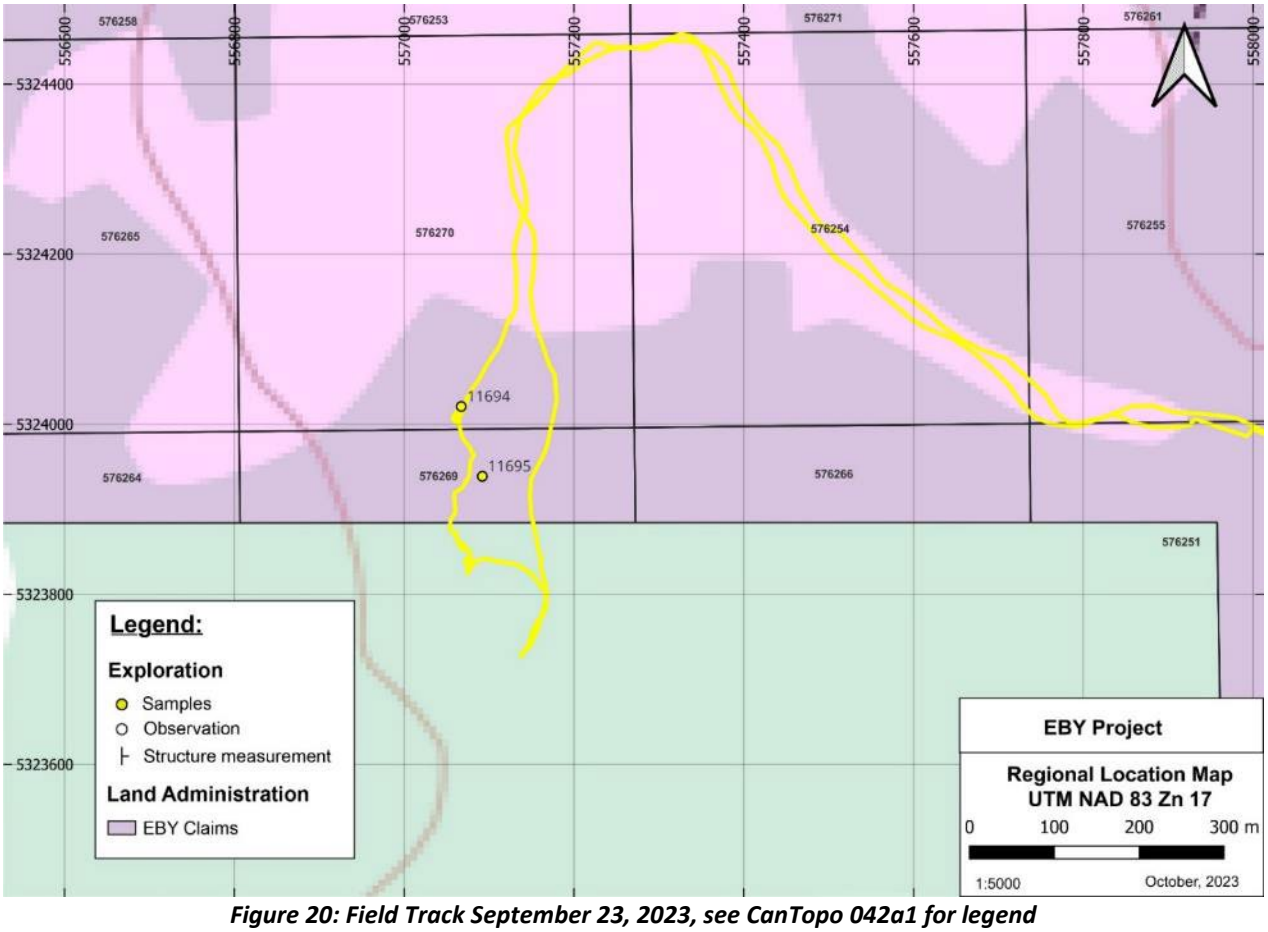


Figure 20: Field Track September 23, 2023, see CanTopo 042a1 for legend

Daily Work Log 2023

July 18, 2023:

- Travel Montreal / Kirkland Lake
- 1 geologist, 8 hours (Jared Beebe)

July 19, 2023: PAT-20380, 584627, 584628, 584593

- 1 geologist, 8 hours (Jared Beebe)
- 10 stations
- Forest regrowth with good access. Outcrop under the moss and on the surface. Lake and Blanche River shore

July 20, 2023: PAT-46127, 584629

- 1 geologist, 8 hours (Jared Beebe)
- 4 stations
- Blanche River shore

July 21, 2023:

- Travel Kirkland Lake / Montreal
- 1 geologist, 8 hours (Jared Beebe)

September 10, 2023:

- Travel Toronto / Kirkland Lake
- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)

September 11, 2023: Claim 576251 / Claim 576262

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 4 observations
- 6 samples (11701; 11702; 11703; 11704; 11651; 11652; 1258650; 1258652; 1258653; 1258654)
- 2 structural measurements Forest regrowth, swamp with good access. Outcrop under the moss and on the surface. Volcanic mafic, Syenite, and Hydrothermal breccia

September 12, 2023: Claim 576259

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 8 samples (11705; 11706; 11707; 11653; 11654; 11654; 11655; 11656; 11657)
- 16 structural measurements
- Forest regrowth on old workings with good access. Outcrop under the moss and on the surface. Volcanic mafic outcrops. Getting samples near the old shaft in PAT-27606

September 13, 2023: Claim 576254 / Claim 576255 / Claim 576251

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 3 observations
- 9 samples (11658; 11659; 11660; 11661; 11662; 11708; 11709660; 11710; 11711)

- 3 structural measurements
- Forest regrowth, swamp with good access. Outcrop under the moss and on the surface. Volcanic mafic outcrops.

September 14, 2023: Claim 576254 / Claim 576258 / Claim 576265 / Claim 576270

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 5 samples (11712; 11713; 11714; 11663; 11664)
- 4 structural measurements
- Forest regrowth with good access. Outcrop under the moss and on the surface. Volcanic mafic outcrops.

September 15, 2023: Claim 297246 / Claim 309440 / Claim 576271 / Claim 576274 / Claim 576276

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 7 observations
- 7 sample (11665; 11666; 11667; 11715, 11716; 11717; 11718)
- 1 structural measurement
- Thick forest, Swamp. Outcrop under the moss and on the surface. Volcanic mafic, Intermediate Dyke outcrops.

September 16, 2023: Claim 130723 / Claim 104539 / Claim 223033

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 1 observation
- 3 sample (11719; 11668; 11672)
- Thick forest, Swamp difficult to access. Outcrops under the moss and on the surface. Volcanic mafic outcrops.

September 17, 2023: Claim 297246 / Claim 576341

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 5 observations,
- 10 samples (11673; 11724; 11725; 11726; 11727; 11728; 11673; 11674; 11675; 11676)
- 3 structural measurements
- Thick forest, Swamp and old shaft difficult to access. Outcrops under the moss and on the surface. Volcanic mafic, Syenite, Quartz feldspar porphyry and Intermediate Dyke outcrops.

September 18, 2023: Claim 130723 / Claim 309440 / Claim 267078 / Claim 576273 / Claim 576275 / Claim 200471

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 5 observations,
- 5 samples (11729; 11730; 11731; 11677; 11678)
- 3 structural measurements
- Forest regrowth, swamp with good access. Outcrop under the moss and on the surface. Volcanic mafic, Syenite and Intermediate Dyke outcrops.

September 19, 2023: Claim 207795 / Claim 279049 / Claim 138384 / Claim 203163 / Claim 275868

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 6 observations,
- 4 samples (11679; 11681; 11732; 11733)

- 3 structural measurements
- Forest regrowth, Swamp and possible old shaft difficult to access. Outcrops under the moss and on the surface. Volcanic mafic, conglomerate outcrops.

September 20, 2023: Claim 297692 / Claim 207795 / Claim 279049 / Claim 267078

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 2 observations,
- 2 structural measurements
- 3 samples (11734; 11735; 11682)
- Forest regrowth, Swamp and old shaft easy to access. Outcrops under the moss and on the surface. Mafic volcanic and conglomerate.

September 21, 2023: Claim 576251 / Claim 576255 / Claim 576259 / Claim 576256

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 2 structural measurements
- 10 samples (11684; 11685; 11686; 11687; 11688; 11737; 11738; 11739; 11741; 11742)
- Outcrop under the moss and on the surface. Volcanic mafic and Syenite outcrops.

September 22, 2023: 576262 / 570279

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 1 structural measurement
- 1 sample (11693)
- Hard access, dogs and surface owner. Volcanic mafic outcrop.

September 23, 2023: Claim 576269 / Claim 576270

- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)
- 2 samples (11694; 11695)
- Volcanic mafic outcrop

September 24, 2023:

- Travel Kirkland Lake / Toronto
- 2 geologists, 8 hours (Rory Kelly / Feseha Giorgis)

Sample Assay results

The highest gold assay on the property is 0.07 g/t gold on the claim 279049. The sample was taken north of the supposed Larder Cadillac deformation zone in a reddish Grey medium grained matrix with gravel size clasts of feldspar and chest. Strongly silicified, moderately hematitized, weakly chloritized, 1% semi massive pyrite mineralization. The outcrop was weakly to moderately sheared. The type of rock would correspond to the Timiskaming Conglomerate. The same type as the one font at the Macassa mine.

Exploration recommendations

Recommendation for further field work on the north half of the property south of Kenogami lake around the Larder Cadillac deformation. The terrain is difficult and flat with few outcrops. Till sampling recommended or deep auger necessary to access the bedrock.

As suggested in previous report it is recommend drilling holes on EBY PAT-20379,with an azimuth or 90 at a of -45 degree, to check the south, north and at depth extensions of the mineralized north-south structures.

10. Bibliography

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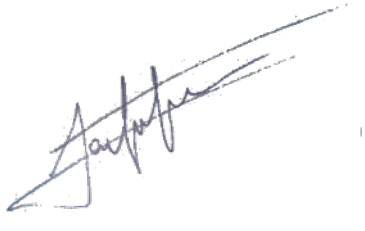
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11. Certification of qualification

I Antoine Schwartzmann, of 45- 975 Whitlock Ave Milton, ON L9E 1S9, Canada, do hereby certify that:

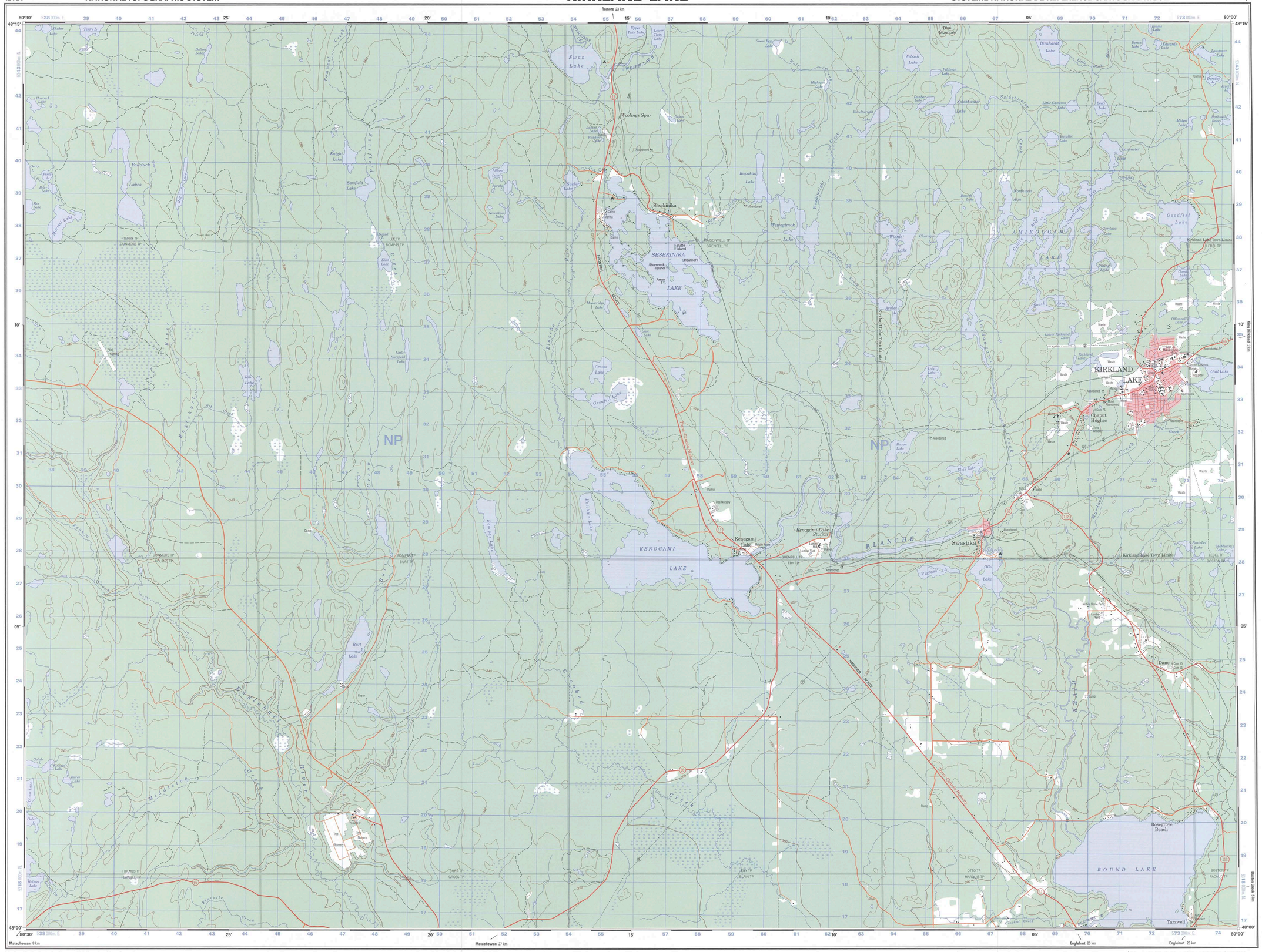
1. I have been a practicing geologist in training since 2018 and a professional geologist since 2020 in Canada.
2. I hold a Master degree in Geological and Earth Sciences/Geosciences (2014) from the university of Orleans, France
3. I have been associated with Mistango River Resources in the position of Project Geologist since 2020.
4. I am a member in good of the Professional Geoscientists Ontario (PGO) since July 2020, my membership number is 3297
5. Dated this day of October 18, 2023



Antoine Schwartzmann, MSc., P.Geo., 3297

Appendix A - CanTopo 042a01

KIRKLAND LAKE



42 A/1

Edition 4 Edition NAD 83 Series A 751 Série

- Dual Highway, hard surface
  Route à 2 chaussées séparées, revêtement dur
- Road, hard surface, more than 2 lanes, highway route number
  Route, revêtement dur, plus de 2 voies, numéro de route
- Road, hard surface, 2 lanes
  Route, revêtement dur, 2 voies
- Road, hard surface, less than 2 lanes
  Route, revêtement dur, moins de 2 voies
- Road, loose or stabilized surface, all season, 2 lanes or more
  Route de gravier, agglomeré, toute saison, 2 voies ou plus
- Road, loose or stabilized surface, all season, less than 2 lanes
  Route de gravier, agglomeré, toute saison, moins de 2 voies
- Road, loose surface, dry weather
  Route de gravier, temps sec
- Vehicle track or winter road; gate
  Chemin de terre ou d'hiver; barrière
- Trail, cut line or portage; portage, short
  Sentier, percé en portage; portage, court
- Built-up area; street; park/sports field
  Agglomération; rue; parc ou terrain de sports
- Railway, single track, multiple tracks, side track; station
  Chemin de fer, voie unique, voies multiples, voie d'évitement; gare
- Power transmission line, multiple lines
  Ligne électrique, lignes multiples
- Bridge; footbridge; tunnel
  Pont; passerelle; tunnel
- Cut; embankment, causeway
  Déblai; remblai, chaussée
- Seaplane base; heliport; navigation light
  Hydrobase; héliport; balise lumineuse
- Building(s)
  Bâtiment(s)
- Church; non-Christian place of worship; shrine
  Église; lieu de culte non chrétien; lieu de pèlerinage
- School; elevator; fire station
  École; élévateur; caserne de pompiers
- Cemetery; historic site or point of interest; greenhouse
  Cimetière; lieu historique ou lieu d'intérêt; serre
- Campground; picnic site; service centre
  Terrain de camping; terrain de pique-nique; centre de service
- Golf course; ski area; mine
  Terrain de golf; station de ski; mine
- Oil or natural gas facility; electrical facility
  Installation pétrolière ou de gaz naturel; installation électrique
- International boundary with monument
  Frontière internationale avec borne-repère
- Boundary, first class
  Limite de première classe
- Boundary, first class unsurveyed
  Limite de première classe non arpentée
- Boundary, second class
  Limite de deuxième classe
- Boundary, second class in Dominion Land Survey
  Limite de deuxième classe dans les régions de l'Arpentage des terres du Canada
- Boundary, third class
  Limite de troisième classe
- Boundary, fourth class
  Limite de quatrième classe
- Boundary, fifth class
  Limite de cinquième classe
- Boundary, sixth class
  Limite de sixième classe
- Boundary, sixth class unsurveyed
  Limite de sixième classe non arpentée
- Boundary, seventh class
  Limite de septième classe
- Boundary, eighth class
  Limite de huitième classe
- Boundary, ninth class
  Limite de neuvième classe
- Dam; small; large; carrying road
  Barrage ; petit; grand; portant une route
- Watercourse or shoreline: definite; indefinite
  Cours d'eau ou rive : précis(e); imprécis(e)
- Rapids; falls (with height in black)
  Rapides; chutes (avec hauteur en noir)
- Lake or pond; slough, intermittent lake or pond
  Lac ou étang; bourbier, lac ou étang intermittent
- Foreshore flats or sand in water
  Estrans ou sable dans l'eau
- Rocks in water or small islands
  Rochers dans l'eau ou îlots
- Rocky ledge; rocky reef
  Barre rocheuse; récif
- Marsh; swamp
  Marais; marécage
- Contours: index; intermediate; approximate
  Courbes de niveau : maîtresses; intermédiaires; approximatives
- Depression contours
  Courbes de cuvette
- Cliff or escarpment
  Falaise ou escarpement
- Sand; esker; pingo
  Sable; esker; pingo
- Glacier; ice cap; snowfield
  Glacier; calotte glaciaire; champ de neige
- Wooded area; orchard; vineyard; hopfield
  Région boisée; verger; vignoble, houblonnière

For complete reference, see reverse side.
Pour une liste complète des signes, voir au verso.

Your Local Dealer Votre vendeur local

42 A/7	42 A/8	32 D/5
42 A/2	42 A/1	32 D/4
41 P/15	41 P/16	31 M/13

48°20' / 48°15' / 48°00' / 47°45' — 81°00' 80°30' 80°00' 79°30'

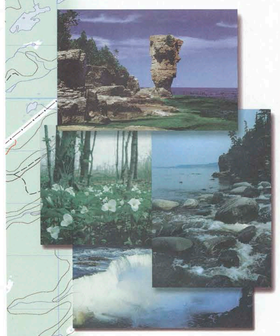
Natural Resources Canada Ressources naturelles Canada

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CARTES TOPOGRAPHIQUES DU CANADA

42 A/1

1/50 000

KIRKLAND LAKE



KIRKLAND LAKE
42 A/1 Edition 4 Edition

Canada

Produced by the Centre for Topographic Information, Natural Resources Canada. Boundaries and toponyms current as of 2000; road network current as of 1996; all other information current as of 1987. Published in 2001.

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This map is not to be used for air or marine navigation.

True North / Nord géographique
12°24' (220 mils) 0°34' (10 mils)
Grid North / Nord du quadrillage
One Knot / Nœud de Vitesse

Use diagram only to obtain numerical values
Approximate Mean Declination 2000
for centre of map
Annual change increasing 1.5'

N'utiliser le diagramme que pour obtenir les valeurs numériques
Déclinaison moyenne approximative au centre de la carte en 2000
Variation annuelle croissante 1.5'

Transverse Mercator Projection • Projection transverse de Mercator

North American Datum 1983
Système de référence nord-américain de 1983

Coordinate conversion **NAD 83 (WGS 84) to NAD 27**
Mean values for this map–
Geographic: Latitude • subtract 0.3"
Longitude • add 0.5"
Grid: Northing • subtract 228 m
Easting • subtract 9 m
Conversion des coordonnées **NAD 83 (WGS 84) à NAD 27**
Valeurs moyennes pour cette carte–
Coordonnées géographiques : Latitude • soustraire 0,3"
Longitude • additionner 0,5"
Quadrillage : Ordonnée (N) • soustraire 228 m
Abscisse (E) • soustraire 9 m

KIRKLAND LAKE

TIMISKAMING DISTRICT

ONTARIO

1/50 000

Kilometres 1 0 1 2 3 4 Kilometres
Miles 1 0 1 2 3 Miles

1 centimetre on the map represents 500 metres on the ground
Contour Interval: 20 Metres
Elevations in Metres above Mean Sea Level

1 centimètre sur la carte représente 500 mètres au sol
Équidistance des courbes : 20 mètres
Altitudes en mètres au–dessus du niveau moyen de la mer

Method used to give reference to the nearest 100 metres
Méthode employée pour fixer des repères à 100 mètres près

Easting: Read grid line value to the left of point. Estimate tenths of a square from this line eastward to point.
Abscisse : Noter le chiffre de la ligne du quadrillage à gauche du repère. Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction est.

Grid reference in this example / Référence du quadrillage dans cet exemple :
357000E
E N

Northing: Read grid line value below point. Estimate tenths of a square from this line northward to point.
Ordonnée : Noter la chiffre de la ligne du quadrillage en–dessous du repère. Estimer le nombre de dixièmes du carré entre cette ligne et le repère en direction nord.

34 35 36 37 38 95 94

1000 metre
Universal Transverse Mercator Grid
Zone 17
Quadrillage universel transverse de Mercator
de 1000 mètres

100 000 metre Square Identification
Identification du carré de 100 000 mètres
NP

Grid Zone Designation
17 U
Désignation de la zone du quadrillage

Établie par le Centre d'information topographique, Ressources naturelles Canada. Limites et toponymes à jour en 2000; réseau routier à jour en 1996; tous les autres renseignements à jour en 1987. Publiée en 2001.

Visitez notre site Web : http://cartes.RNCan.gc.ca/

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Cette carte ne doit pas être utilisée pour la navigation aérienne ou maritime.

Appendix B- Assay Certificate

Client: MISTANGO

Project: EBY

Sample type (s): rock/grab

Submitted By: Antoine Schwartzmann

ANALYSIS CERTIFICATE

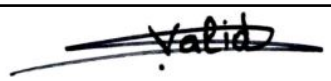
A23-5293

9/28/2023 12:00:00 AM

RESULTS

	CAS Number / Method Code / Units	Au	Au Chk	Sample Weight
		FA-AAS	FA-AAS	-
		g/Mt	g/Mt	Kg
1	11651	< 0.01		1.7
2	11652	< 0.01		1.5
3	11653	< 0.01		2.2
4	11654	< 0.01		3.3
5	11655	< 0.01		1.9
6	11656	< 0.01		2.8
7	11657	< 0.01		2.1
8	11658	< 0.01		3.3
9	11659	< 0.01		2.1
10	11660	< 0.01		2.9
11	11661	< 0.01		2.2
12	11662	< 0.01		2.3
13	11663	< 0.01		2.1
14	11664	< 0.01		2.5
15	11665	< 0.01		2.4
16	11666	< 0.01		1.4
17	11667	< 0.01		2.6
18	11668	< 0.01		2.0
19	11669	< 0.01		1.5
20	11670	2.22		0.0
21	11671	< 0.01		3.0
22	11672	0.02		2.2
23	11673	< 0.01		1.8
24	11674	< 0.01		2.5
25	11675	< 0.01		2.7
26	11676	< 0.01		2.5
27	11677	< 0.01		2.8
28	11678	< 0.01		3.3
29	11679	0.07		2.2
30	11680	< 0.01		0.1
31	11681	< 0.01		2.2
32	11682	< 0.01		2.6
33	11683	< 0.01		2.3
34	11684	< 0.01		2.6
35	11685	< 0.01		3.1

Certified by



Valid Abu Ammar

Client: MISTANGO
Project: EBY
Sample type (s): rock/grab
Submitted By: Antoine Schwartzmann

ANALYSIS CERTIFICATE
A23-5293
9/28/2023 12:00:00 AM

QC RESULTS

	CAS Number Method Code Units	Au FA-AAS g/Mt
1	OREAS L13 meas	1.32
2	OREAS L13 meas	1.27
3	Blank Value	< 0.01
4	Blank Value	< 0.01
5	Blank Value	0.02
6	Blank Value	< 0.01
7	Blank Value	0.01

Certified by



Valid Abu Ammar

Client: MISTANGO

Project: EBY

Sample type (s): rock/grab

Submitted By: Antoine Schwartzmann

ANALYSIS CERTIFICATE

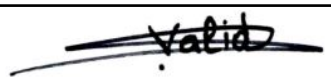
A23-5294

9/29/2023 12:00:00 AM

RESULTS

	CAS Number / Method Code / Units	Au	Au Chk	Sample Weight
		FA-AAS	FA-AAS	-
		g/Mt	g/Mt	Kg
1	11686	< 0.01		3.1
2	11687	0.03		2.4
3	11688	< 0.01		2.2
4	11689	< 0.01		2.1
5	11690	< 0.01		2.6
6	11691	< 0.01		1.8
7	11692	< 0.01		1.6
8	11693	< 0.01		2.1
9	11694	< 0.01		2.1
10	11695	< 0.01		1.8
11	11696	< 0.01		2.7
12	11697	< 0.01		2.6
13	11698	< 0.01		1.2
14	11699	< 0.01		2.6
15	11700	0.54		0.0
16	11701	< 0.01		1.4
17	11702	< 0.01		1.9
18	11703	< 0.01		1.6
19	11704	< 0.01		2.6
20	11705	< 0.01		2.3
21	11706	< 0.01		3.1
22	11707	< 0.01		2.1
23	11708	< 0.01		1.4
24	11709	< 0.01		2.0
25	11710	< 0.01		1.6
26	11711	0.01		1.8
27	11712	< 0.01		1.7
28	11713	< 0.01		2.1
29	11714	< 0.01		1.6
30	11715	< 0.01		1.4
31	11716	< 0.01		1.6
32	11717	< 0.01		1.6
33	11718	< 0.01		2.3
34	11719	< 0.01		1.6
35	11720	< 0.01		0.1

Certified by



Valid Abu Ammar

Client:	MISTANGO	ANALYSIS CERTIFICATE
Project:	EBY	**A23-5294**
Sample type (s):	rock/grab	9/29/2023 12:00:00 AM
Submitted By:	Antoine Schwartzmann	

QC RESULTS

	CAS Number Method Code Units	Au FA-AAS g/Mt
1	OREAS L13 meas	1.30
2	OREAS L13 meas	1.31
3	Blank Value	< 0.01
4	Blank Value	< 0.01
5	Blank Value	< 0.01
6	Blank Value	< 0.01
7	Blank Value	< 0.01

Certified by



Valid Abu Ammar

Client: MISTANGO

Project: EBY

Sample type (s): rock/grab

Submitted By: Antoine Schwartzmann

ANALYSIS CERTIFICATE

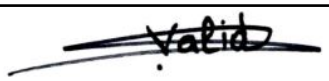
A23-5295

9/28/2023 12:00:00 AM

RESULTS

	CAS Number / Method Code / Units	Au	Au Chk	Sample Weight
		FA-AAS	FA-AAS	-
		g/Mt	g/Mt	Kg
1	11721	0.01		1.2
2	11722	0.08		0.7
3	11723	< 0.01		2.1
4	11724	< 0.01		1.9
5	11725	< 0.01		1.3
6	11726	< 0.01		2.2
7	11727	< 0.01		1.3
8	11728	< 0.01		2.0
9	11729	0.01		1.7
10	11730	< 0.01		1.5
11	11731	< 0.01		2.1
12	11732	< 0.01		1.7
13	11733	< 0.01		2.2
14	11734	0.02		1.7
15	11735	< 0.01		1.3
16	11736	< 0.01		1.7
17	11737	< 0.01		1.7
18	11738	< 0.01		2.0
19	11739	< 0.01		2.0
20	11740	2.27		0.0
21	11741	< 0.01		1.1
22	11742	< 0.01		1.9
23	11743	< 0.01		2.4
24	11744	< 0.01		2.0
25	11745	< 0.01		2.3

Certified by



Valid Abu Ammar

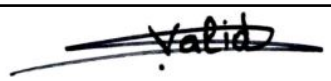
Client: MISTANGO
Project: EBY
Sample type (s): rock/grab
Submitted By: Antoine Schwartzmann

ANALYSIS CERTIFICATE
A23-5295
9/28/2023 12:00:00 AM

QC RESULTS

		CAS Number Method Code Units	Au FA-AAS g/Mt
1	OREAS L13 meas		1.31
2	OREAS L13 meas		1.29
3	Blank Value		0.02
4	Blank Value		< 0.01
5	Blank Value		< 0.01
6	Blank Value		< 0.01

Certified by



Valid Abu Ammar

APPENDIX C – SAMPLE MAP

APPENDIX D SCHEDULE FOR ASSAY LAB

Kenogami Lake

EBY

HWY 11

HWY 66

Round Lake

Terzwel

BLAIN

MARQUIS

042A01

041P16

EBY GOLD PROPERTY

11734 0.02 Au ppm
11732 0.005 Au ppm
11733 0.005 Au ppm
11735 0.005 A
11681 0.005 Au ppm
11682 0.005 Au ppm
11672 0.02 Au ppm
11668 0.005 Au ppm
11719 0.005 Au ppm
11721 0.005 Au ppm
11724 0.005 Au ppm
11674 0.005 Au ppm
11676 0.005 Au ppm
11675 0.005 Au ppm
11728 0.005 Au ppm
11718 0.005 Au ppm
11726 0.005 Au ppm
11723 0.005 Au ppm
11725 0.005 Au ppm
11673 0.005 Au ppm
11727 0.005 Au ppm
11678 0.005
11730 0.005
11729 0.01 Au ppm
11677 0.005 Au ppm
11715 0.005 Au ppm
11665 0.005 A
11667 0.005 Au ppm
11717 0.005 Au ppm
11665 0.005 Au ppm
11716 0.005 Au ppm
11739 0.005 Au ppm
11687 0.03 Au ppm
11711 0.01 Au ppm
11662 0.005 Au ppm
11654 0.005 Au
11681 0.005 Au ppm
11710 0.005 Au ppm
11660 0.005
11686 0.005 Au ppm
11657 0.005 Au ppm
11741 0.005 Au ppm
11688 0.005 Au ppm
11742 0.005 Au ppm
11733 0.005 Au p
11683 0.005 Au
11712 0.005 Au ppm
11709 0.0
11685 0.005 Au ppm
11659 0.005 Au ppm
11656 0.005 Au ppm
11738 0.005 Au ppm
11705 0.005 Au ppm
11655 0.005 Au ppm
11694 0.005 Au ppm
11714
11684 0.005 Au ppm
11695 0.005 Au ppm
11737 0.005 Au ppm
11653 0.005 Au ppm
11706 0.005 Au ppm
11707 0.005 Au ppm
11654 0.005 Au ppm
11708 0.005 Au ppm
11658 0.005 Au ppm
11702 0.005 Au ppm
11652 0.005 Au ppm
11703 0.005 Au ppm
11693 0.005 Au ppm
11651 0.005 Au ppm
11701 0.005 Au ppm
11704 0.005 Au ppm

576299 576305 576296 576304 576307 576306 576298 576292 576294 576295 576297 576293 576291 576290 576289 576288 576287 576286 576285 576284 576283 576282 576281 576280 576279 576278 576277 576276 576275 576274 576273 576272 576271 576270 576269 576268 576267 576266 576265 576264 576263 576262 576261 576260 576259 576258 576257 576256 576255 576254 576253 576252 576251 576250 576249 576342 576341

584629 584628 584627 584625 584624 584626

223073 326309 120707 297692 297130 210473 144359 144358 385656 306407 275868 138384 325882 292278 267078 130723 104539 223033 239089 138357 203163 210486 200471 180303 309440 297246 306380 138358 259193

MB ON QC TIMMINS THUNDER BAY L. SUPERIOR TEMISKAMING SHORES TORONTO EBY GOLD PROPERT 0 400 KM

0 10,000 meters Kirkland Lake CANADA Kenogami Lake EBY GOLD PROPERTY 042A01 041P16 HWY 11 Round Lake Terzwel BLAIN MARQUIS 5,330,000 mN 5,320,000 mN 570,000 mE 580,000 mE

LEGEND

Utility Lines
KL Roads
KL Streams
Railways
Marsh
Lakes
Tracks
JARED 2023 07 19
2023 07 20

Operational Cell Claims
Non Mining Tenure - MSR
Non Mining Tenure - SR
Patents and Leases
Eby Property Outline
Eby Claims

Samples by Date taken
9/11/2023
9/12/2023
9/13/2023
9/14/2023
9/15/2023
9/16/2023
9/17/2023
9/18/2023
9/19/2023
9/20/2023
9/21/2023
9/22/2023
9/23/2023

N 0 500 meters Scale 1:10,000

Mistango River
Eby Gold Property
Sampling 2023

Date: 2023-10-19
Author: CSALO
Office:
Drawing:
Scale: 1:10000
Projection: UTM Zone 17 (NAD 83)

554,500 555,000 555,500 556,000 556,500 557,000 557,500 558,000 558,500 559,000 559,500 560,000 560,500 561,000 561,500
5,328,000 5,327,500 5,327,000 5,326,500 5,326,000 5,325,500 5,325,000 5,324,500 5,324,000 5,323,500 5,323,000

Our Services

Rock, Drill Core and Soil Sample

Sample Preparation

- Drying of samples at 80°C in a forced air circulation system.
- Crushing to > 80% passing 1700 microns (10 mesh) using low chrome steel jaw plates.
- Splitting samples using a rotary splitter to obtain test samples and duplicates.
- Pulverizing to >85% passing 74 microns (200 mesh) using low chrome steel bowl sets.
- Re-blending of pulps (homogenizing) using a short pulverizing cycle.
- Screening of soil samples using an 80 mesh sieve to obtain a sub-sample for assay. Oversized material is normally discarded.

Internal Quality Control

- Size testing of crushed and pulverized material is performed daily for each equipment.
- Ten (10) percent replicate assays are performed and reported on the certificates for fire assay gold analysis. A method blank and certified reference material are applied and reported for each furnace load to monitor the fire assay process.
- A duplicate crushed sample is drawn at random and assayed for each work order to monitor precision.
- Crushed limestone blanks and pulverized silica blanks are assayed daily to monitor cross contamination of samples.

Gold and Precious Metals

	Fire Assay	Finish	Detection
Gold	1 assay ton	FA-AAS MP AES	5 ppb 2 ppb
Platinum	1 assay ton	FA-AAS MP AES	5 ppb 2 ppb
Palladium	1 assay ton	FA-AAS MP AES	5 ppb 2 ppb

Note: 50 g assays for the above are also available

Precious Metal Assay

(Ore Grade)

	Fire Assay	Finish	Detection
Gold	1 assay ton	FA-AAS MP AES	0.01 g/tonne
Gold	1 assay ton	Gravimetry	0.30 g/tonne
Platinum	1 assay ton	FA-AAS MP AES	0.01 g/tonne
Palladium	1 assay ton	FA-AAS MP AES	0.01 g/tonne

Gold and Silver Concentrate

	Fire Assay	Finish	Detection
Gold	1 assay ton	Gravimetry	0.30 g/tonne
Silver	1 assay ton	Gravimetry	3.0 g/tonne

Other Precious Metal Analysis

	Fire Assay	Finish	Detection
Gold in mill solution (high grade)	1 assay ton	Gravimetry	0.30 g/tonne
Gold in mill solution (low grade)	1 assay ton	MP-AES	0.01 g/tonne

Gold by Pulp and Metallic Sieve Analysis

Sample size up to 2 kg with a surcharge for each 100 g overweight

The pulp and metallic sieve analysis includes:

- crushing and pulverizing the entire sample
- screening the entire sample through a 147 micron screen
- assaying the entire +147 micron fraction
- duplicate assays on the -147 micron fraction

Single Element Geochemical Analysis

(Aqua Regia Digestion with FAAS or MP-AES Finish)

	Range (ppm)
Antimony (Sb)	5 – 1,000
Arsenic (As)	5 – 10,000
Beryllium (Be)	0.5 – 1,000
Bismuth (Bi)	5 – 1,000
Cobalt (Co)	2 – 1,000
Copper (Cu)	1 – 10,000
Lead (Pb)	1 – 10,000
Molybdenum (Mo)	2 – 10,000
Nickel (Ni)	1 – 10,000
Silver (Ag)	0.2 – 100
Tellurium (Te)	2 – 1,000
Zinc (Zn)	1 – 10,000

and Pulps

- Monthly storage cost of reject samples after 1 month.
- Monthly storage cost of sample pulps after 1 month.
- Disposal cost of reject and pulp samples.

Note:

- Monthly storage beyond the one month period is to be arranged in advance by the customer. Storage charges will apply one month after the certificate release date.
- Shipping arrangements and costs related to the return of reject samples and sample pulps will be the responsibility of the customer.
- Swastika Laboratories will take all reasonable precautions to protect samples, pulps, and sample rejects from receipt to final storage but will incur no liability for loss, deterioration, or damage thereto from any cause whatsoever.
- Charges apply for the disposal of reject and pulp samples.

Sample Pick-Up Services

Swastika Laboratories Ltd. can provide a driver, truck and trailer to pick up and return samples at the customer's site at additional cost if the one way distance is less than 300 kilometers.

Supplies

Shipping labels, Analysis Requisition forms and sample tickets can be provided at additional cost.

Careers

Contact

Weblims Login

CONTACT US

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Email: swaslab@swaslab.ca

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