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2018-2019

PROSPECTING AND GEOCHEMICAL SURVEY REPORT

ON THE

McBean Lake Property

UTM Zone 16 - NAD 83 Projection
531242E, 5499082N

NTS 42E/10

PREPARED BY:
Andrew Tims

December 1, 2019

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INTRODUCTION

This report presents and summarizes the results of prospecting and geochemical sampling work, completed during the period of September 19th-23th, 2018 and Oct 8th & 26th, 2019 on the McBean property in the McBean Lake area (Figure 2) of the Thunder Bay Mining District.

LOCATION AND ACCESS

The Skinner property is in the McBean Lake area, approximately 20 kilometres east of Geraldton, 8 kilometres south of Longlac, in the Thunder Bay Mining Division, NTS sheet 42E/1. See Figures 1 &2. Access for prospecting was by ATV from an abandoned sand/gravel pit 25 kilometres south of the town of Long Lac on the haulage road to Terrace Bay. A disused logging road, now an ATV trail, goes 3.3 km to the NNW and crosses the Making Ground River on a trapper's bridge. Approximately 140 m after the bridge, the trail splits. The left fork goes for 1 km to the southeast shore of McBean Lake where several boats are stored. The right fork continues for 2.1 km to the adhoc McBean Creek Bridge. The previous three years has seen the bridge over McBean Creak in disrepair due to inactivity of the local trapper. Last year contractors for Greenstone Gold Mines GP Inc. refurbished the bridge to allow grid cutting and geophysical crews access to Viper Property claims adjacent to the Skinner property. During 2017 season the beaver dam used for the crossing was blown open by persons unknown and made impassable.

CLAIMS AND OWNERSHIP

The McBean Lake property consists of 19 single cell mining claims of which six are boundary cell claims covering 362 ha (Figure 2). The property decreased in size during the 2018 introductory period of MLAS due to the new system's inability to handle more than one assessment report per cell. Four boundary cells (27 ha) were lost. A list of the claims can be found in Table 1 below.

Figure 1 McBean Lake Property Location

Township / Area	Legacy Claim Id	Tenure ID	Tenure Type	Anniversary Date	Work Required	Total Reserve
MCBEAN LAKE	4274598	178131	Boundary Cell Claim	2019-12-13	200	200
MCBEAN LAKE	4274598	195135	Single Cell Claim	2020-02-11	400	0
MCBEAN LAKE	4274598	242232	Single Cell Claim	2020-02-11	400	0
MCBEAN LAKE	4274598	252332	Boundary Cell Claim	2019-12-13	200	200
MCBEAN LAKE	4274598	337690	Boundary Cell Claim	2020-02-11	200	0
MCBEAN LAKE	4274599	123986	Single Cell Claim	2019-12-13	400	0
MCBEAN LAKE	4274599	135984	Single Cell Claim	2019-12-13	400	0
MCBEAN LAKE	4274599	151889	Single Cell Claim	2020-02-11	400	0
MCBEAN LAKE	4274599	187985	Boundary Cell Claim	2019-12-13	200	601
MCBEAN LAKE	4274599	187986	Single Cell Claim	2019-12-13	400	0
MCBEAN LAKE	4274599	235828	Boundary Cell Claim	2019-12-13	200	0
MCBEAN LAKE	4274599	235829	Single Cell Claim	2020-02-11	400	0
MCBEAN LAKE	4274599	237381	Boundary Cell Claim	2020-02-11	200	0
MCBEAN LAKE	4274599	237382	Single Cell Claim	2020-02-11	400	0
MCBEAN LAKE	4274599	343423	Single Cell Claim	2019-12-13	400	76
MCBEAN LAKE	4282600	212318	Single Cell Claim	2020-02-11	400	0
MCBEAN LAKE		542232	Single Cell Claim	2021-02-15	400	0
MCBEAN LAKE		542233	Single Cell Claim	2021-02-15	400	0
MCBEAN LAKE		542234	Single Cell Claim	2021-02-15	400	0

Table 1 McBean Lake Property Claims List

PREVIOUS WORK

No historical assessment data for the immediate area of the property is recorded before 1946. The Theresa Mine, located 5 kilometres to the northeast, produced 4,727 oz of gold and 198 oz of silver from 261,120 milled tons between 1935-1955.

Previous work is as follows:

1934-37 Initial gold discovery at the Theresa Mine site by Moses Fisher; optioned to *Afton Mines Ltd.,*

1934-38	Bulk sampling, limited gold and silver production; 3,647 m of drilling; sinking of shafts 1 & 2; *Theresa Mines Ltd*. was incorporated,
1946	Independent Mining undertakes line-cutting; magnetic and geological surveys on the majority of the present day Skinner property,
1947-49	Shaft #3 at Theresa Mine sunk to 155 m; 10 934 m of drilling,
1950-53	Theresa Mine Mill operated at 106 tons per day; Shaft #3 deepened to 300m; 2 071 m surface and 15 202 m of underground drilling,
1954	Theresa Mine operations halted; patents suspended,
1969	*O. Albert* carried out trenching and stripping on a claim north of Milbean Lake,
1970-72	*Canadian Nickel Co*. conducted a drill program in the McBean Lake area,
1978	*Shell Canada Resources Ltd*. optioned the property held by Roxmark Mines and Discovery West in the Skinner-McBean Lake Area; Questor Surveys completed an AEM survey with ground magnetic and EM follow-up surveys; a nine hole, 1,026 m drill program followed,
1987	Areodat flew an AEM survey over a 186 claim group in the McBean Lake area for *Discovery West Corp* and *Roxmark Mines*; follow-up prospecting, ground mag and EM surveys; two holes, 180 m, were drilled south of Skinner Creek between Skinner Lake and Milbean Lake,
1987-88	*Duration Mines* optioned the Theresa Mine property and dewatered the workings; completed 5 320 m of underground drilling, Duration Mines declared bankruptcy; the mine contractor, *J.S. Redpath* gained ownership of the property as compensation;
1996	1996 Cyprus Canada Inc. staked the original fifteen-claim block in June followed by 23 km of line cutting between Nov and Dec.
1997	An eleven hole, 1,851 metre BQ reconnaissance scale drill program was completed by Cyprus Canada Inc. Seventy-four kilometre's of line for Grid B were cut between June and August. Line cutting was accompanied by a 58.9 kilometre mag/VLF survey. Geological mapping was completed in August. A 13.7 km pole-dipole array IP survey was completed during August. A 10 drill hole, 1,656 meter BQ diamond drill program was conducted by Cyprus Canada Inc. between October 7th and 27th, 1997
2004	Andrew A. Tims staked two claims on June 9th, 2004
2006	A sampling program of 50 “B” horizon and 50 Mobile Metal Ion (MMI) media was undertaken by Andrew A. Tims on old grid lines on the property.

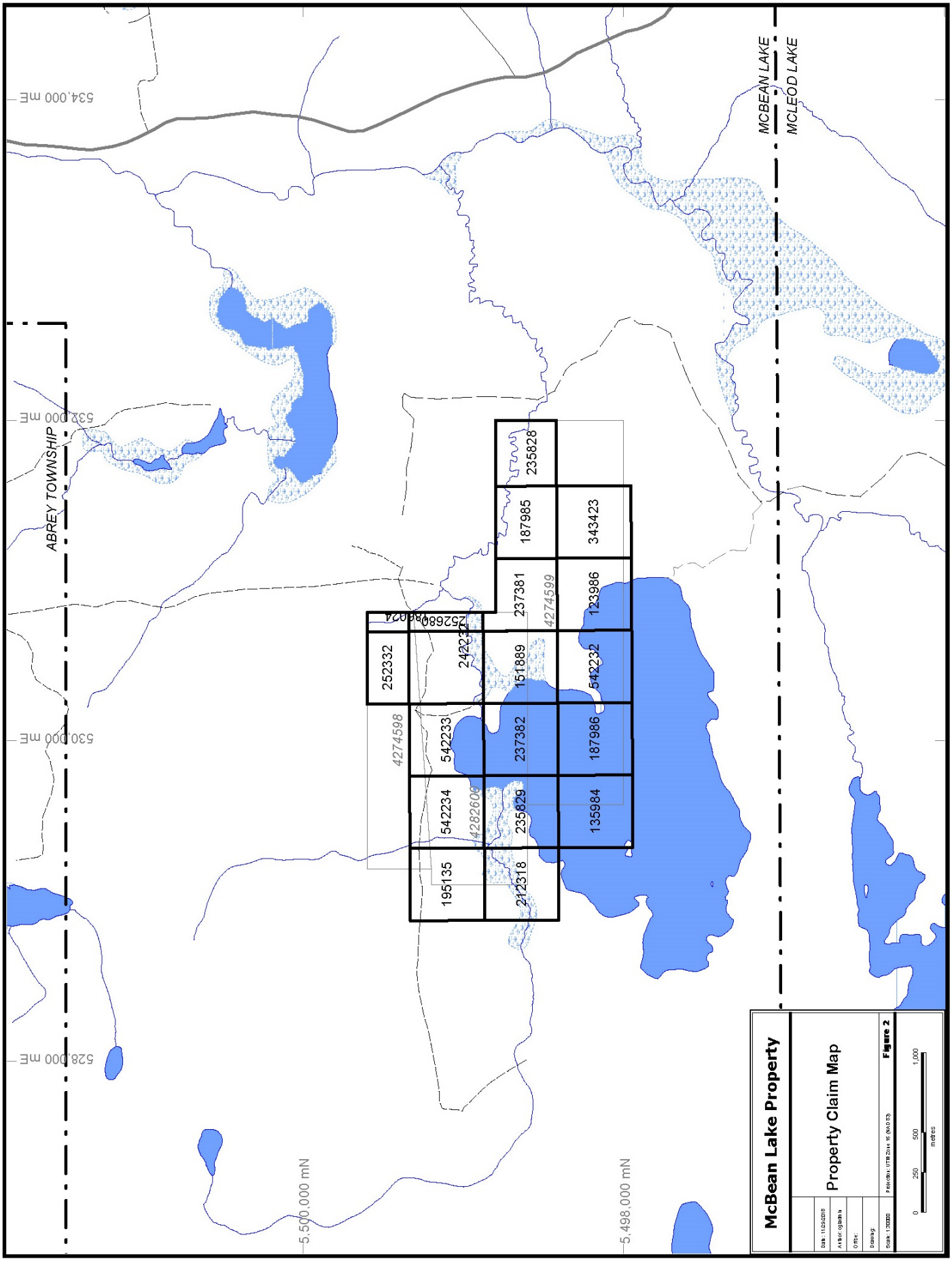

Figure 2 McBean Lake Claim Map

2004	Andrew A. Tims staked two claims on June 9th, 2004
2006	A sampling program of 50 “B” horizon and 50 Mobile Metal Ion (MMI) media was undertaken by Andrew A. Tims on old grid lines on the property.
2007	Two additional claims were staked on May 5th and 6th, 2007 for Andrew A. Tims by SkyBridge Development. No work was completed by SkyBridge and the option lapsed.
2008	A 66 soil sample survey plus prospecting was completed over the core of the property.
2009	Two small magnetic/VLF surveys where completed covering the northern end of McBean Lake and the southern shore of Milbean Lake. A 10 sample prospecting program was completed on claim 30153127.
2010	A prospecting and soil sampling work program was carried out over claims 4253400 and 4221057.
2013	Property restaked in current 3 claim configuration.

Between 1934 and 1968, the Geraldton camp produced approximately 2.9 million ounces of gold at an average grade of 0.17 oz/ton from eleven, moderate to high grade underground operations. Production statistics for the Geraldton camp are listed in Table 2.

Table 2
Mine Production Statistics, Geraldton, Ontario

MINE	PERIOD	TONS	AU OZ.	AU OZ/T	PROD. RATE
1. MacLeod Cockshutt	1938-67	9 404 145	1 366 404	0.15	500-1 000
2. Little Long Lac	1934-53	1 780516	605 449	0.34	250
3. Mosher	1962-66	2 710 657	330 265	0.13	NA
4. Hardrock	1938-51	1 458 375	269 081	0.18	200-500
5. Magnet Consolidated	1938-51	359 912	152 089	0.42	100
6. Consolidated Mosher	1967-68	934 084	109 324	0.12	1000
7. Tombill	1838-42	190 622	69 120	0.36	100
8. Bankfield	1937-42	231 009	66 417	0.29	100
9. Jellex	1939-40	14 722	5 672	0.39	45
10. Theresa	1950-55	26 120	4 727	0.15	106
11. Talmora	1948	6 634	1 417	0.21	50
TOTALS	**1934-68**	**17 102 074**	**2 974 293**	**0.17**	**50-1000**

REGIONAL GEOLOGY

The Beardmore-Geraldton Greenstone Belt has an average width of about 30 km and stretches for about 180 km from Lake Nipigon in the west to within 60 km of Paleozoic cover rocks in the east. It is dominated by a series of repetitive, east

trending, isoclinally folded, steeply dipping mafic volcanic and turbiditic sedimentary units, believed to represent tectonically imbricated stratigraphy from accretionary wedge (Williams, 1986, 1987; Devaney and Williams, 1989). Zones of laterally extensive but thin magnetite iron formation occur within the sedimentary rocks and can be traced magnetically from Lake Nipigon through to the McBean Lake area. The supracrustal units are intruded by syn to post-tectonic gabbro, diorite, tonalite and quartz-feldspar porphyries. During the Proterozoic, all lithologies were intruded by northwest-trending diabase and lesser lamprophyre dikes. Regional structures suggest that the belt is a north facing assemblage (Kresz and Zayachivsky 1993). The Geraldton Gold camp is underlain by the east-southeast striking sediment-volcanic Barton Bay synclinorium (Figure 3a). The sediments are comprised of Precambrian turbidite assemblages with interbeds of banded iron formation and lesser mafic volcaniclastic rocks of the Southern Sedimentary unit (Kresz & Zayachivsky, 1991). Semi-conformable sills of diorite/gabbro, including quartz and quartz-feldspar porphyry intrude these formations. The sediments/volcanics and intrusives have been deformed into tight large and small-scale isoclinal folds. Later intrafold and drag folds have been superimposed on these structures. To the north, the synclinorium is bound by a sequence of mafic volcanic flows and to the south by a major east-southeast tectonic structure known as the Barton Bay deformation zone (BBDZ). See Figure 3a and 3b.

The supracrustal rocks forming the tectono-stratigraphic sequence of Beardmore – Geraldton Belt belt can be subdivided into 3 pairs of east-striking sub-belts informally referred to as: the northern metasedimentary sub-belt (NMB), northern volcanic sub-belt (NVB), central metasedimentary sub-belt (CMB), central volcanic sub-belt (CVB), southern metasedimentary sub-belt (SMB) and southern volcanic sub-belt (SVB). The Longlac fault, which trends NNE through Longlac Lake divided the belt into two metamorphic assembages. Greenschist is the dominant metamorphic grade within the belt west of the Longlac Fault but could ranges up to upper greenschist to amphibolite grade in west of Longlac (Smyk et.al., 2005). The faults have been offset by the Longlac fault producing a horizontal offset of 1 kilometre and a significant displacement in the vertical sense.

Two prominent east-west deformation zones (Barton Bay and McBean lake Deformation Zones) have been recognized in the area with the Barton Bay structure

closely associated with iron formation and gold mineralization at Geraldton. In the Geraldton area, the deformation zone is approximately 3.0 kilometres wide and trends ESE. The deformation zone swings ENE to NE in the area of the McBean Lake property, apparently deflected or otherwise influenced by the Croll Lake intrusion (Kresz and Zayachivsky 1993).

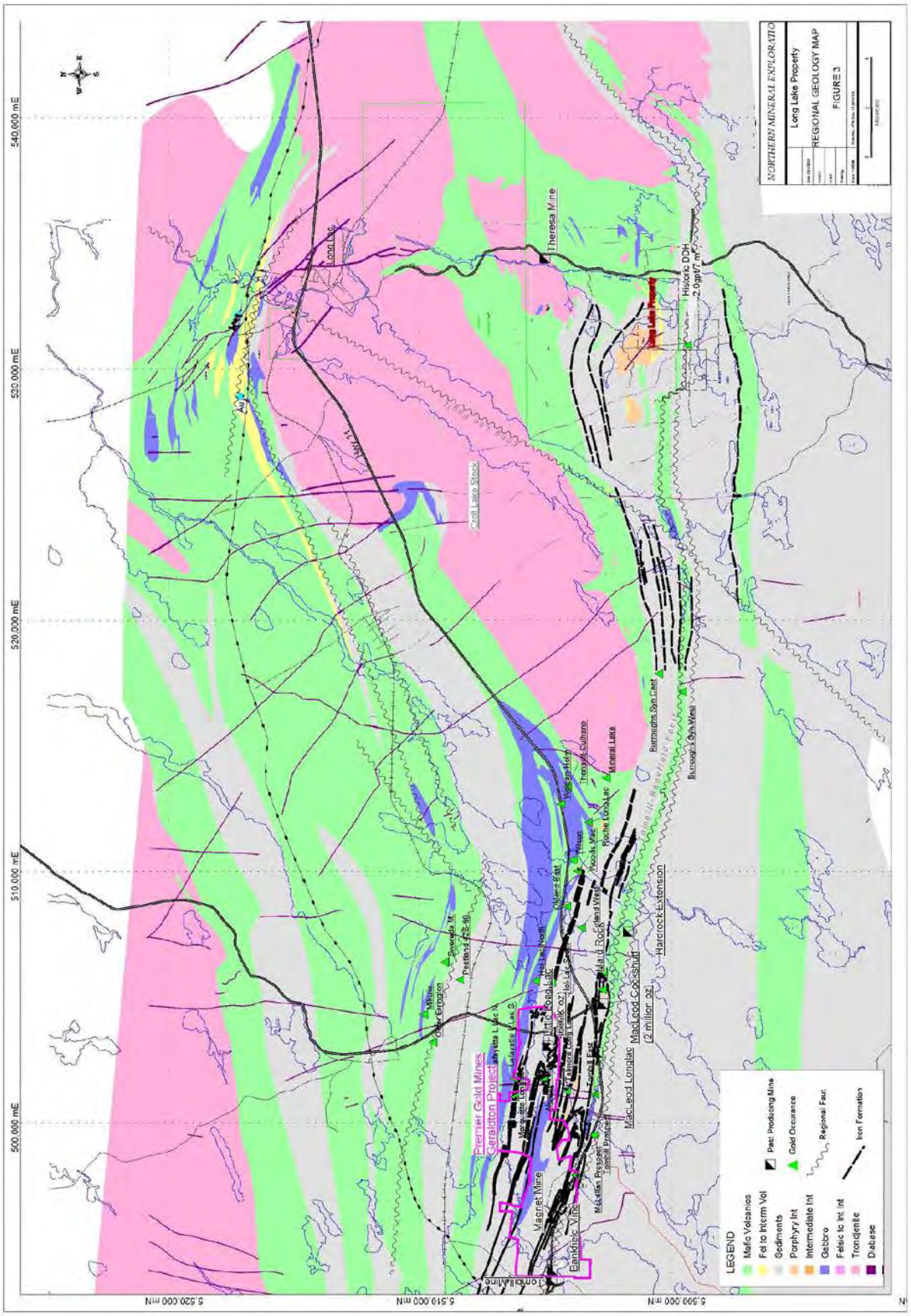

Figure 3 McBean Property Regional Geology Map

PROPERTY GEOLOGY

The McBean property is underlain by an east-west striking, steeply south dipping fine to medium grained volcano-sedimentary succession. A mafic volcanic unit known as the Eldee Lake Volcanic unit (ELV) occupies the northmost 100 m of the property with a poorly sorted biotitic greywacke to the south (Figure 3). North-northwest striking diabase and aplite dykes intrude these lithological units. The 150 to 200 metre wide ELV assemblage consists of tholeiitic, massive and pillowed flows as well as tuffs and minor lapilli tuffs all exhibiting varying degrees of recrystallization as indicated by the presence of metamorphic amphiboles and locally garnets. The southern greywacke package is fine grain and weakly bedded with graded bedding indicating tops to the south. The contact with the northern sediments and the ELV unit is marked by a strong, continuous AEM anomaly, which corresponds to the Barton Bay fault zone (BBFZ) as described by Kresz S Zayachivsky (1991). The southern contact between the ELV and greywacke succession was not located in outcrop. In close proximity of the contact the ELV becomes strongly altered by ankerite and chlorite and the greywacke moderately fractured and intruded by quartz with a moderate ankerite staining. Drilling by previous operators along this contact, McBean Lake Fault, described the structure as a black line fault or a centimetre-scale gouge occasionally accompanied by fault bounded repetition of lithologies on the meter-scale (Figure 4).

Figure 4 McBean Lake Property Geology

WORK PROGRAM

This section covers the 2018 & 2019 work programs. Both work programs involved building upon the previous seasons work using detailed humus sampling in a low lying overburden covered area and prospecting along strike of known gold mineralization. The prospecting target (#1) was too trace out the altered mafic footwall to the gold horizon intersected in the 1997 drill by Cyprus Canada 300 m to the east of cell 252332. The humus sampling was to follow up on the anomalous gold in humus results from the 2016 & 2017 geochemistry survey (target #2) on cells 187965 & 343423. Target area 1) encompassed the mafic–sediment contact along the McBean Lake structure where the lithological contacted is overprinted by a biotite-amphibole-garnet alteration envelope with fine-grained arsenopyrite present within deformed blue-grey quartz veinlets. Target Area 2) is south of McBean creek in a portion of the property that has seen little exploration due to the blanketing Quaternary deposit of a bouldery till and glaciolacustrine sands producing a low-lying topography typified by cedar and tamarack swamp. Humus sampling produced a weak gold response north of an irregularity in the magnetic fabric. Traverse lines completed in 2018 were completed 50 m to the east and north of the 2017 sample lines to better define the limits of the anomalous gold in humus results. The 2019 humus sampling lines were to extend/close of the gold anomaly to the west of the 2016 sampling. The end goal of the work program was to identify areas for diamond drilling.

Sample locations were recorded in UTM NAD83 coordinates with a Garmin 76Cx. Traverses were completed by pace and compass.

2018 Work Program

The 2018 fieldwork was carried between September 19th to September 23rd, 2018 Harvey Buck and Robert Heilman of Thunder Bay, Ontario. Start-up of the work was complicated by over a kilometre blow-down trees across the ATV access trail. Clearing of this trail took two full days using a chain saw to make the trail passable.

Humus Sampling

The bulk of the humus sampling in Target area 2 came from a single 300 m north-south traverse line with four additional samples taken on the north end of 2017 lines to close off anomalies. Twenty humus samples were collected on cells 187985, 235828, and 254641. Samples were taken every 25 m using a hand soil auger. Humus samples were taken below the lowermost leave litter layer to just above to grey oxidized horizon. Humus sample material varied from brown to black and dry to wet with the majority of the wet humus being very black peat-like material. The southernmost three samples sites possessed a thinnest humic layer less than 30 cm over a base of coble and boulders. One duplicate was included in the twenty samples plus three blanks were inserted into the sample stream.

Pace and compass was used to make the sample traverses with locations recorded by a Garmin 76Cx. Sample media was placed into Kraft soil bags, folded closed and strung onto rope. Field data for each sample was recorded on custom designed data sheets. Data collected included: sample number, sample location in both grid as well as UTM coordinates, altitude, depth, vegetation type, colour, sample type, topography, slope direction, texture, plus a section for noting comments or cultural features (see appendix 3). Quality assurance and control of the geochemical data involved taking duplicates at the end of the traverse line. A total of 27 humus soils were hung to dry until delivery to the Activation Laboratories Ltd. (Actlab) preparation lab in Thunder Bay by the author.

At Actlabs, 34 elements were determined in each humus sub-sample. The elements are measured as well as in replicated reference standards using Instrumental Neutron Activation Analysis (INNA) multi-element techniques. This technique provides for ultimate sensitivity for gold and other trace elements. Gold is determined to a detection limit of one (1) ppb. Under Actlab's Code 2A for the INNA analyses of humus samples, the organic humus material is dried at temperatures below 60°C, macerated and a 15 gram aliquot is compressed into a briquette and analyzed using Code 2A. The briquettes are irradiated and their gamma ray spectra are measured and quantified. The advantages of this technique are simplicity and

less chance for human error, contamination and loss of gold (such as occurs in ashing). The samples are analyzed in random order.

Prospecting

Lithologies

Outcrop prospecting in Target Area 1 encountered greywacke, chlorite altered mafic volcanic, biotite altered mafic volcanic and diabase. A description of each is as follows:

- Greywacke (coded S3G) is a light to grey-green, poorly sorted, massive to coarsely bedded sediment. The matrix is recrystallized and typically contains 20-50% quartz, <20% feldspar, 5-10% biotite with trace porphyroblasts of amphibole. An outcrop of greywacke adjacent to the ATV trail was stripped and covered with bleach to highlight the vein history/structural complexity. This outcrop will be mapped at a later date.

- Mafic Flows **(**V3M) are fine to medium grained, medium to dark green-grey, magnetic, massive to weakly foliated with weak to pervasive carbonate alteration and the rare quartz-carbonate veinlet. Coarser units typically possess millimetre scale bands of medium to coarse grain secondary amphibole.

- Biotite Chlorite Schist (V3S) is a biotite altered V3M, exhibiting a coarser re-crystallized groundmass of chlorite and amphibole. Weakly magnetic. The unit was noted in the footwall to the McBean Lake gold zone. A historical trench exposing this unit was located and sampled - H340502 & H340503.

- Diabase Dykes (coded I8) are massive, magnetic, weakly fractured dark grey units. The dykes are feldspar phyric with up to 50% medium grained subhedral plagioclase and have fine-grained, dark coloured chill margins.

Veining

The greywacke typically hosts three generations of quartz veining (Figure 5). The oldest vein generation is a glassy grey, averages 2-3 cm thick , exhibits pinch- swell textures and are sub parallel to the foliation (100°/60S). These veins host minor

iron oxide staining and erratic gold values. A second generation is significantly smaller and numerous, 2-5 mm in size, isoclinally folded and highlight the pervasive stretching lineation (31°/250°). The youngest vein set is a dirty white colour,

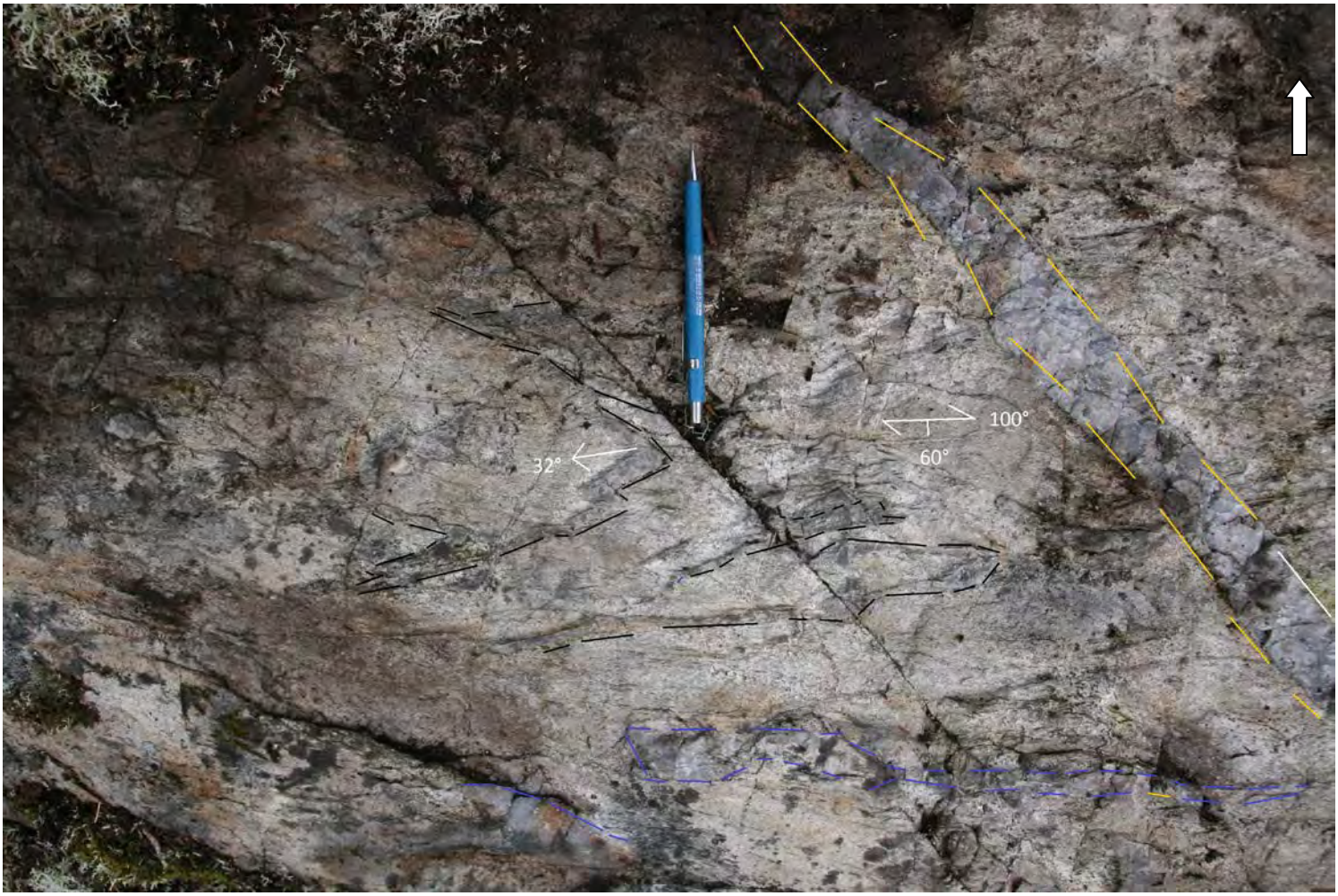

Figure 5 Photo of the 3 vein sets.

subparallel to the local fracture pattern at 315° and exhibit only minor folding. A 3 cm wide white quartz-vein with trace pyrite was sampled - H340501.

PROSPECTING SAMPLES

All prospecting occurred on cell 252332. Sample locations with gold assays are displayed on Map 1 in Appendix I. Table 2 below lists the gold as results.

Analyzis for gold in the twelve prospecting samples involved fire assay on a 30 gram split with an atomic absorption finish at Activation Laboratories in Ancaster Ontario after being delivered and prepped at ActLab's prep laboratory in Thunder Bay.

Daily Work Log

September 19, 2018: R. Heilman & H. Buck travel to Long Lac from Thunder Bay proceeding to the access point into the property. Encountered significant blow-down across ATV trail. Attempted to clear trail with axe. Returned to Long Lac and located a chain saw for rent. A sunny day;

September 20, 2018: A wet and cold rainy day. R. Heilman & H. Buck returned to property and spent the day cutting trees to clear the ATV trail.

September 21, 2018: Drizzling and cold day. R. Heilman & H. Buck completed clearing the ATV up to their offload site.

September 22, 2018: R. Heilman & H. Buck took a 27 humus samples, including two duplicates. Cloudy, cool day.

September 23, 2018: R. Heilman & H. Buck revisited a bleached outcrop (530273, 5499430 from the 2014-2017 work program along the old drill trail on cell 252332. Bleached and scrubbed additional section of the outcrop. Proceeded north prospecting outcrops looking for the V3S footwall lithology to the McBean Lake Gold Zone. A folded pyrite bearing quartz-vein in greywacke was sampled 37 m north of the bleached outcrop – H340501. The biotite altered footwall unit was encountered in a newly discovered historical trench. Sample H340502 was collected from outcrop st the southeast end of the trench where 4 mm wide pyrite vein was noted. Sample H340503, was taken was taken from within the trench at its north end. Cloudy, cool day

September 24, 2018: R. Heilman & H. Buck returned to Thunder Bay, Warm sunny day;

2019 Work Program

The 2019 fieldwork was carried out on October 8th and October 26th, by the author. The large gap between the two dates was due to the unexpected presence of an Aboriginal Healing Camp constructed along the ATV access route. Signs had been posted requesting no hunting from October 14th to the 25th so the author refrained from intruding during this period.

Humus Sampling

The 2019 humus sampling was completed by the author on October 8th, 2019 Access was via boat on McBean Lake. One outcrop of diabase cutting greywacke was encountered on the traverse into the sampling line. The humus sampling routine was the same as described in the 2018 program. A large part of the traverse consisted of cedar dominated swamp. Thirty-seven samples were submitted to Actlabs with 4 as duplicates and 4 as blanks.

Prospecting

Lithologies

Bleaching of a large outcrop of greywacke continued in an effort to decipher the structural history of the property. Three phases of quartz veins are clearly visible with last year's washing of the outcrop revealing graded bedding and a centimetre-scale bed of conglomerate.

Figure 6 Photo of graded bedding in greywacke

Figure 7 Photo of conglomerate with flattened cobbles and pebbles

Outcrop prospecting in Target Area 1 involved more detailed sampling of 2018 sample sites. The work was carried out on October 26th, 2019. The quartz vein material from 2018 sample H340501 came from two quartz veins – a 12 cm wide steeply dipping a bull white vein and an irregular flat (< 40°S) dark grey vein. The two veins were samples separately (H340507 & H340508 respectively). The biotite altered mafic volcanic sampled in 2018 (H340502 & H340503) was stripped and chip sampled. A north-south historical trench was noted 2 m to the west of sample H340502. The trench was overgrown and no outcrop could be located. The biotite-chlorite rich groundmass hosted 2-3% fine to medium-grained euhedral arsenopyrite. Sample H340504 consisted of rock chips across a 3 m long east-west trending outcrop. Foliation averaged 086°/50°S.

Daily Work Log

October 7, 2019: A. Tims travels to Longlac from Thunder Bay proceeding to the access point into the property. Clear out ATV trail and setup boat/motor on McBean Lake. Returned to Longlac. A cool and sunny day;

October 8, 2019: A cool sunny day with very high winds making boating a challenge later in the day. A .Tims took a 37 humus samples. Encountered a large outcop dominated by coarse diabase with minor greywacke – see map 1. A long day.

October 9, 2019: A. Tims retrieved boat motor and ATV plus cached boat for later use after First Nation community activity subsides.

October 25, 2019: A. Tims travels to Longlac from Thunder Bay. Purchased bleach before accessing boat launch. Set up boat.

October 26, 2019: Accessed property by boat across McBean Lake. The 1997 vintage drill/ATV trail along north shore of McBean Lake is now all grown in. Prospector cabin on lake is in a bad state of disrepair. Visited bleached outcrop (samples 530273, 5499430) from the 2014-2017 work programs along the old drill trail located on cell 252332. Bleached and scrubbed additional section of the outcrop. Proceeded north prospecting around 2018 samples H340507 & H340508. Noted a 30 m long historical trench. Chip sampled across arsenopyrite bearing outcrop (H340504). Located 2018 sample H340501. Stripped moss and identified two separate quartz veins. Sampled both (H340505 & 340506). Sunny, cool and windy day.

October 27, 2019: A. Tims returned to Thunder Bay after retrieving boat and motor. Cold rainy day.

Table 3

Gold Assay Results for 2018 & 2019 Prospecting

Sample_No	UTME	UTMN	Lithology	Au_ppb
H340501	530269	5499475	S3G, Qv	1200
H340502	530325	5499597	V3S	14
H340503	530321	5499601	V3S	971
H340504	530328	5499595	V3S	13
H340505	530269	5499474	S3G, Qv	1390
H340506	530269	5499475	S3G, Qv	94

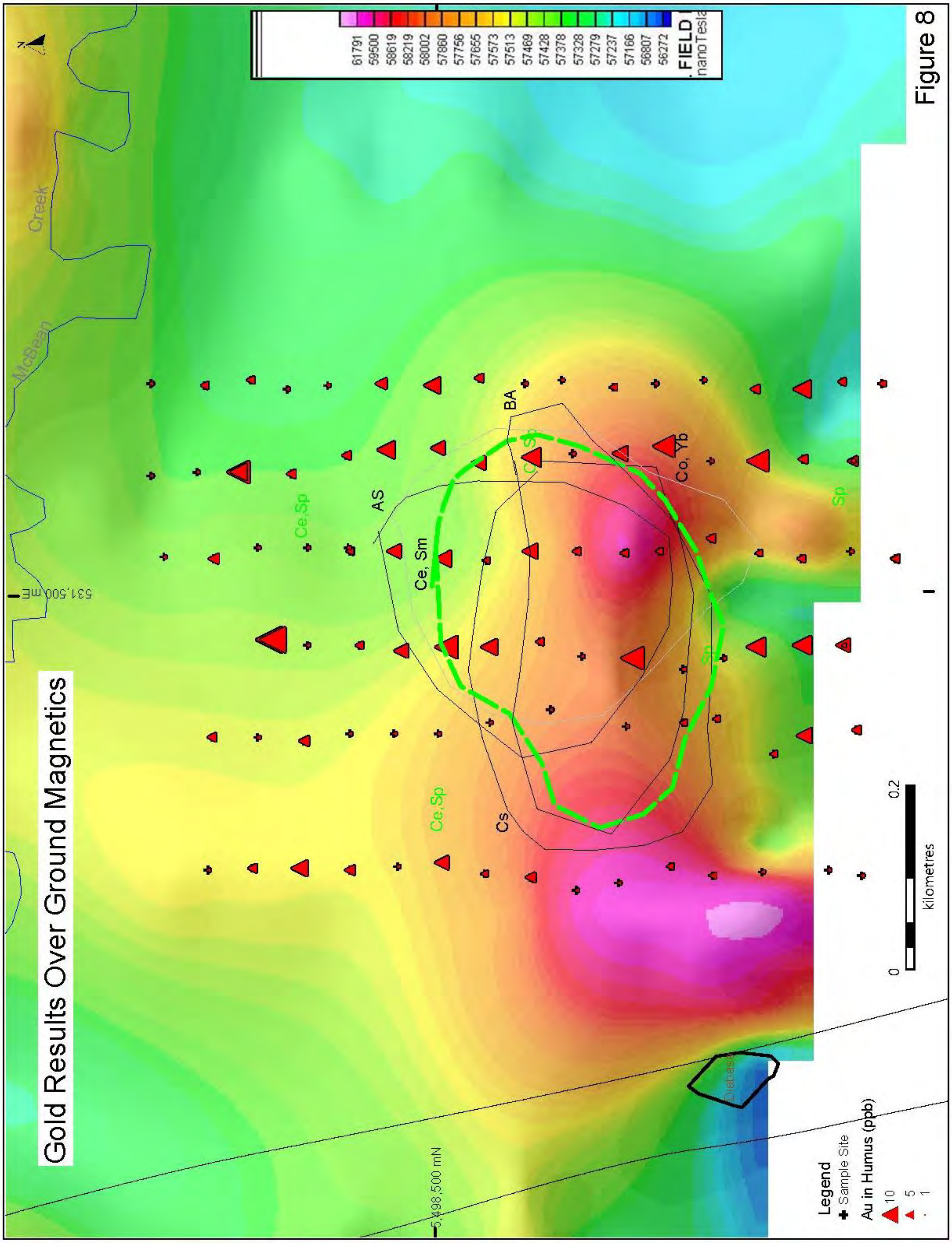

Figure 8 Combined 2019-2016 Humus Au Results over magnetic target

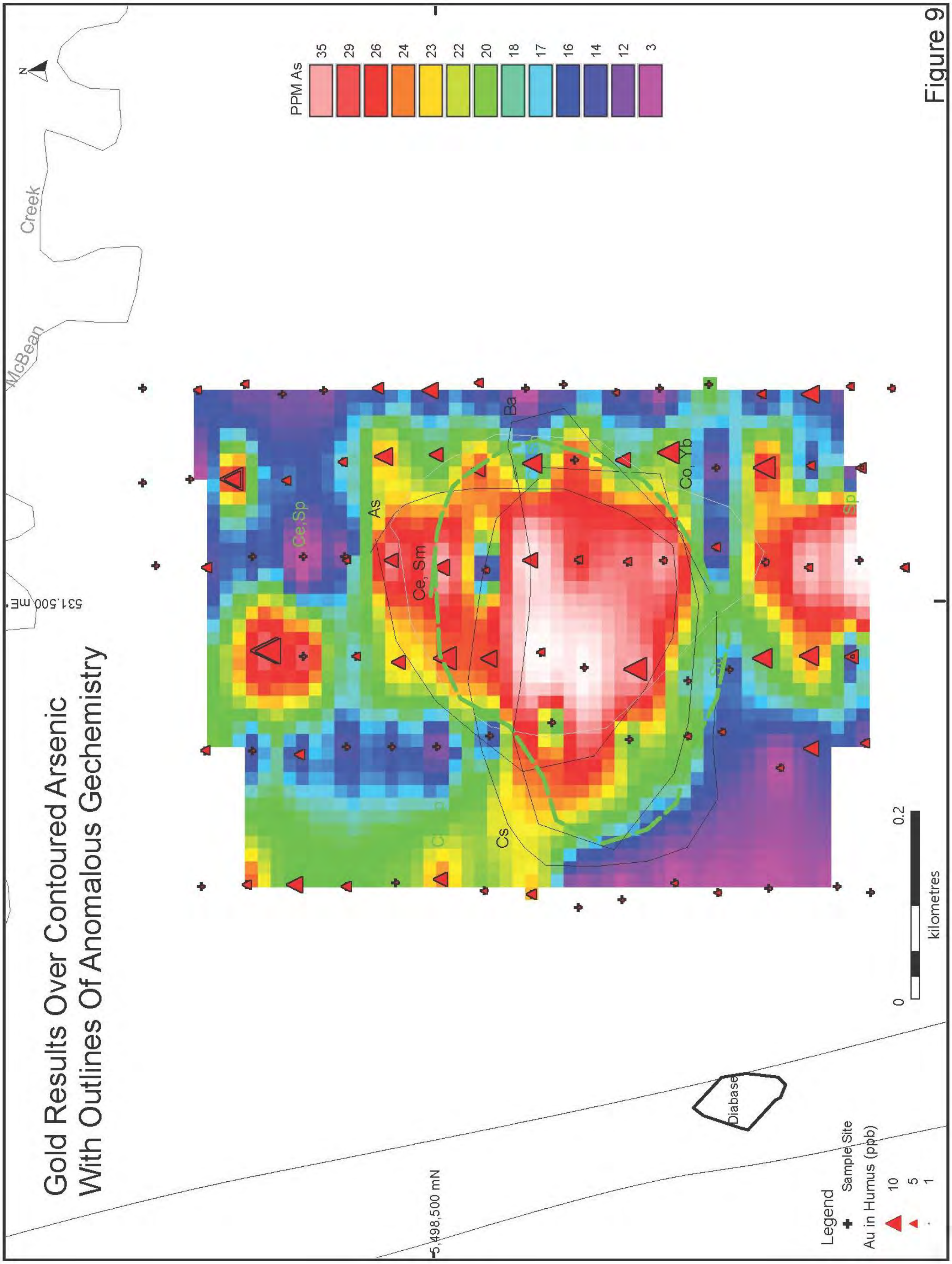

Figure 9 Combined 2019-2016 Humus Au Results over contoured arsenic

CONCLUSION AND RECOMMENDATIONS

The prospecting program was able to locate the eastern extension of the alteration associated with the historical gold horizon delineated in the 1997 drilling by Cyprus Canada. As all mineralization in the Beardmore-Geraldton belts plunges -30°to the southwest the presence of the alteration envelope confirms the zone is present west of the northwest striking diabase dyke. The discovery of the historical trench provides a focal point for an overburden stripping program next summers.

Follow-up humus sampling, after the 2016-2017 results over the magnetic anomaly on cells 187985 & 343423, continue to show a widespread erratic gold anomaly (figure 6) over a irregularity in the ground magnetics. The anomalous levels of arsenic, barium, iron, uranium, thorium and a suite of light rare-earths in the analytical results suggest the magnetic anomaly is a fertile felsic intrusive. Antimony geochemistry correlated well with the gold assays further suggesting a genetic relationship to a felsic intrusive body. The flat spruce-cedar terrain over the magnetic-humus target can only be test by diamond drilling during the winter months. A comprehensive higher resolution magnetic survey is required to produce drill targets. A budget of $145,750 is proposed below.

Proposed Budget

Geophysical Survey	
Mob/Demob (from Thunder Bay)	3,000
Magnetic Survey (160 km @$225/km)	36,000
Overburden Stripping	
Mob/Demob (Helicopter for machine)	15,000
40 hr @ $325/hr	10,000
Transportation: Snow machine & truck	
15 days @ $300/day	4,500
Assays 100 @ $35/sample	3,500
Reports and Maps	3,000
Contingency (10%)	7,200
TOTAL	$79,250

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Tims, A., 2010: Assessment Report Covering the 2010 Prospecting and Surface Work Program on the Long Lac Property, McBean lake Area, Thunder Bay Mining District, 21 p. AFRI 20000006173.

Tims, A. and Buck, H., M., 2009: Prospecting Report on the Long Lac Property, McBean lake Area, Thunder Bay Mining District, 42 p.

Tims, A., 2014: Geological and Geochemical Report on the McBean Lake Property. McBean lake Area, Thunder Bay Mining District, 19 p. AFRI

STATEMENT OF QUALIFICATIONS

I, Andrew A. B. Tims, of 317 Sillesdale Cr., Thunder Bay Ontario hereby certify that:

1.) I am the author of this report.

2.) I graduated from Carleton University, in Ottawa, with a Bachelor of Science Degree in Geology (1989).

3.) I possess a lifetime prospector's license and have been practising my profession in mineral exploration industry for the past 25 years.

4.) I am a practising member of the Association of Professional Geoscientist of Ontario as well as a Fellow of the Geological Association of Canada.

Thunder Bay, Ontario
November 29, 2019

Andrew Tims, P.Geo
Northern Mineral Exploration Services

APPENDIX 1 – Sample Location and Assay Maps

530,000 mE

531,000 mE

532,000 mE

5,499,000 mN

5,498,000 mN

MAGNETIC DECLINATION 6° 35' W

Magnetic

True

Legend

- 2019 Gold Assay (ppb)
- 2018 Gold Assay (ppb)
- 2019 Humus Assay (ppb Au)
- 2018 Humus Assay (ppb Au)

Note : Assays < detection limit noted as "0.5"

971
14
13
1,200
1,390
94
252332
186024
542233
242232
252680
237382
151889
237381
187985
235828
343423
187986
542232
123986

Northern Mineral Exploration Services

McBean Lake Property

GOLD ASSAY RESULTS

HUMUS & ROCK MAP

Date: 2019-11-26

Author: pgeo_tims

Office: TB

Drawing: 2019Map1

Scale: 1:5000

Projection: UTM Zone 16 (NAD 83)

0 75 150 300

metres

530,000 mE

531,000 mE

532,000 mE

5,499,000 mN

5,498,000 mN

MAGNETIC DECLINATION 6° 35' W

Magnetic

True

N

Legend

- 2019 Assay Sample
- 2018 Assay Sample
- 2019 Humus sample
- 2018 Humus Sample
- October 26, 2019 traverse
- October 8, 2019 traverse
- Region
- September 19 to 23, 2018 traverses
- Region

H340503
H340502
340504
H340501
340505
340506

252332
186024
542233
242232
252680
237382
151889
237381
187986
542232
123986
187985
343423
235828

SKS18007
SKS18005
SKS18006
SKS18004
SKS18008
SKS18009
SKS18010
SKS18003
SKS18011
SKS18002
SKS18012
SKS18001
SKS18013
SKS18014
SKS18015
SKS18016
SKS18017

SKH19252
SKH19254
SKH19255
SKH19256
SKH19257
SKH19258
SKH19259
SKH19261
SKH19262
SKH19263
SKH19264
SKH19265
SKH19266
SKH19267
SKH19268
SKH19249
SKH19248
SKH19247
SKH19246
SKH19245
SKH19244
SKH19243
SKH19242
SKH19241
SKH19239
SKH19238
SKH19237
SKH19236
SKH19234

Northern Mineral Exploration Services

McBean Lake Property

GOLD ASSAY RESULTS

HUMUS & ROCK MAP

Date: 2019-11-26

Author: pgeo_tims

Office: TB

Drawing: 2019Map1

Scale: 1:5000

Projection: UTM Zone 16 (NAD 83)

0 75 150 300

metres

APPENDIX 2 – Rock and Humus Sample Assay Certificate

Quality Analysis ... *Innovative Technologies*

Date Submitted: 27-Sep-18
Invoice No.: A18-14880
Invoice Date: 07-Nov-18
Your Reference: Skinner

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

30 Rock and Soil samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2 Au - Fire Assay AA

Code 2A-15g Humus INAA(INAAGEO)

REPORT **A18-14880**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Footnote: INAA data may be suppressed due to high concentrations of some analytes

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta
Unit Symbol	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	1	2	1	100	1	0.5	1	1	0.5	0.05	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5
Method Code	FA-AA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKS18001		< 1	< 2	4	< 100	13	3.5	< 1	5	< 0.5	0.10	< 0.5	< 0.5	< 5	< 0.5	300	< 10	< 20	0.3	0.3	< 2	< 100	< 0.5
SKS18002		< 1	< 2	3	100	13	4.7	< 1	7	< 0.5	0.14	< 0.5	< 0.5	< 5	1.2	300	< 10	< 20	0.2	0.6	< 2	< 100	< 0.5
SKS18003		< 1	< 2	15	200	29	3.8	5	8	0.6	0.47	< 0.5	< 0.5	< 5	< 0.5	600	< 10	< 20	0.5	0.9	< 2	< 100	< 0.5
SKS18004		6	< 2	14	< 100	23	2.8	< 1	5	< 0.5	0.27	< 0.5	< 0.5	< 5	0.6	500	< 10	< 20	0.5	0.6	< 2	< 100	< 0.5
SKS18005		< 1	< 2	2	100	12	3.2	< 1	4	< 0.5	0.20	< 0.5	< 0.5	< 5	< 0.5	300	< 10	< 20	0.1	0.3	< 2	< 100	< 0.5
SKS18006		< 1	< 2	6	200	15	3.6	1	5	< 0.5	0.18	< 0.5	< 0.5	< 5	2.0	400	< 10	< 20	0.2	0.5	< 2	< 100	< 0.5
SKS18007		1	< 2	19	200	29	4.5	3	6	< 0.5	0.41	0.5	< 0.5	< 5	0.7	500	< 10	< 20	0.6	0.9	< 2	< 100	< 0.5
SKS18008		< 1	< 2	13	200	17	3.3	3	4	< 0.5	0.43	< 0.5	< 0.5	< 5	< 0.5	400	< 10	< 20	0.5	0.5	< 2	< 100	< 0.5
SKS18009		4	< 2	16	300	18	4.3	8	9	< 0.5	0.58	< 0.5	< 0.5	< 5	0.6	600	< 10	< 20	0.5	1.0	< 2	< 100	< 0.5
SKS18010		4	< 2	13	300	23	5.6	5	8	< 0.5	0.73	< 0.5	< 0.5	< 5	< 0.5	600	< 10	< 20	0.4	1.1	< 2	< 100	< 0.5
SKS18011		< 1	< 2	13	200	27	5.1	2	10	< 0.5	0.56	< 0.5	< 0.5	< 5	1.1	500	< 10	< 20	0.5	0.8	< 2	< 100	< 0.5
SKS18012		1	< 2	12	300	30	4.9	2	6	< 0.5	0.48	< 0.5	< 0.5	< 5	< 0.5	500	< 10	< 20	0.6	0.6	< 2	< 100	< 0.5
SKS18013		7	< 2	15	400	38	4.7	6	12	< 0.5	0.51	0.5	< 0.5	< 5	< 0.5	700	< 10	< 20	0.7	0.9	< 2	< 100	< 0.5
SKS18014		10	< 2	14	300	28	4.9	4	8	< 0.5	0.36	0.6	< 0.5	< 5	< 0.5	500	< 10	< 20	0.5	0.6	< 2	< 100	< 0.5
SKS18015		5	< 2	14	300	52	6.1	5	7	< 0.5	0.29	0.6	< 0.5	< 5	2.0	500	< 10	< 20	0.7	0.8	< 2	< 100	< 0.5
SKS18016		< 1	< 2	7	300	28	6.8	4	7	< 0.5	0.44	0.6	< 0.5	< 5	3.3	400	< 10	< 20	0.4	0.9	< 2	< 100	< 0.5
SKS18017		2	< 2	13	400	36	6.2	1	9	< 0.5	0.55	0.6	< 0.5	< 5	2.0	500	< 10	< 20	0.8	0.7	< 2	< 100	< 0.5
SKS18018		3	< 2	14	500	47	6.9	6	11	1.0	0.89	< 0.5	< 0.5	< 5	< 0.5	500	< 10	< 20	0.6	1.0	< 2	< 100	< 0.5
SKS18019		< 1	< 2	10	300	28	4.4	3	6	< 0.5	0.51	< 0.5	< 0.5	< 5	0.6	300	< 10	< 20	0.6	0.8	< 2	< 100	< 0.5
SKS18020		2	< 2	20	700	61	7.6	7	13	< 0.5	1.19	< 0.5	< 0.5	< 5	2.3	600	< 10	< 20	0.8	1.4	< 2	< 100	< 0.5
SKS18021		5	< 2	14	500	27	5.7	4	10	< 0.5	0.93	< 0.5	< 0.5	< 5	0.9	500	< 10	< 20	1.1	1.0	< 2	< 100	< 0.5
SKS18022		11	< 2	16	600	44	7.0	3	10	< 0.5	0.62	0.5	< 0.5	< 5	1.7	700	< 10	< 20	1.6	1.0	< 2	< 100	< 0.5
SKS18023		4	< 2	10	700	34	8.0	4	10	< 0.5	0.44	< 0.5	< 0.5	< 5	3.8	400	< 10	< 20	0.8	0.9	< 2	< 100	< 0.5
SKS18024		3	< 2	15	600	43	7.3	4	9	< 0.5	0.31	0.6	< 0.5	< 5	3.2	500	< 10	< 20	1.3	0.8	< 2	< 100	< 0.5
SKS18025		5	< 2	16	700	45	7.4	4	8	< 0.5	0.38	< 0.5	< 0.5	< 5	1.5	500	< 10	< 20	1.1	0.8	< 2	< 100	< 0.5
SKS18026		< 1	< 2	8	600	20	2.1	23	63	< 0.5	3.01	2.0	< 0.5	< 5	0.9	7600	< 10	< 20	1.5	7.3	< 2	< 100	< 0.5
SKS18027		< 1	< 2	7	600	18	3.3	25	78	1.3	3.53	2.7	< 0.5	< 5	< 0.5	9400	< 10	< 20	1.5	9.1	< 2	< 100	< 0.5
340501	1200																						
340502	14																						
340503	971																						

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.5	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKS18001	0.5	< 0.1	< 1	30	1.3	2	< 3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.5
SKS18002	0.9	0.2	< 1	20	2.0	2	< 3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.3
SKS18003	1.0	0.2	< 1	80	2.8	4	5	0.6	< 0.2	< 0.2	0.2	< 0.1	15.9
SKS18004	0.6	0.3	< 1	50	2.1	1	3	0.3	< 0.2	< 0.2	0.3	< 0.1	15.7
SKS18005	< 0.5	< 0.1	< 1	30	1.1	1	< 3	0.2	< 0.2	< 0.2	0.2	< 0.1	15.3
SKS18006	0.9	< 0.1	< 1	40	2.1	3	5	0.4	< 0.2	< 0.2	0.2	< 0.1	15.5
SKS18007	0.9	< 0.1	< 1	50	2.6	3	3	0.5	< 0.2	< 0.2	0.3	< 0.1	15.4
SKS18008	0.7	< 0.1	< 1	60	1.9	2	3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.5
SKS18009	1.3	0.5	< 1	70	5.6	6	6	0.9	< 0.2	< 0.2	0.4	< 0.1	15.3
SKS18010	1.5	0.1	< 1	60	4.7	5	6	0.9	< 0.2	< 0.2	0.4	< 0.1	15.8
SKS18011	0.9	0.2	< 1	70	2.6	3	4	0.5	< 0.2	< 0.2	0.3	< 0.1	15.5
SKS18012	0.9	< 0.1	< 1	50	2.2	3	4	0.4	< 0.2	< 0.2	0.3	< 0.1	15.4
SKS18013	1.0	< 0.1	< 1	80	2.9	4	6	0.5	< 0.2	< 0.2	0.3	< 0.1	15.9
SKS18014	0.7	< 0.1	< 1	70	2.1	2	3	0.4	< 0.2	< 0.2	0.3	< 0.1	15.8
SKS18015	0.8	< 0.1	< 1	50	2.3	3	7	0.4	< 0.2	< 0.2	0.2	< 0.1	15.7
SKS18016	1.2	< 0.1	< 1	60	2.7	4	3	0.6	< 0.2	< 0.2	0.3	< 0.1	15.7
SKS18017	0.9	< 0.1	< 1	60	2.6	2	4	0.6	< 0.2	< 0.2	0.3	< 0.1	15.6
SKS18018	1.3	0.2	< 1	60	3.8	4	6	0.7	< 0.2	< 0.2	0.3	< 0.1	15.6
SKS18019	0.9	< 0.1	< 1	60	3.0	4	6	0.6	< 0.2	< 0.2	0.3	< 0.1	15.7
SKS18020	1.8	< 0.1	< 1	50	5.8	6	8	1.1	< 0.2	< 0.2	0.4	< 0.1	15.5
SKS18021	1.0	0.4	< 1	70	3.8	4	6	0.7	< 0.2	< 0.2	0.3	< 0.1	15.8
SKS18022	1.2	< 0.1	< 1	70	3.3	3	8	0.6	< 0.2	< 0.2	0.3	< 0.1	15.5
SKS18023	1.3	< 0.1	< 1	50	2.4	3	3	0.5	< 0.2	< 0.2	< 0.1	< 0.1	15.5
SKS18024	0.9	< 0.1	< 1	70	2.1	2	7	0.4	< 0.2	< 0.2	0.3	< 0.1	15.8
SKS18025	0.9	< 0.1	< 1	60	2.2	3	6	0.4	< 0.2	< 0.2	< 0.1	< 0.1	15.7
SKS18026	2.5	1.4	< 1	200	11.2	16	7	2.2	0.6	< 0.2	0.9	0.1	15.8
SKS18027	3.3	0.4	< 1	170	13.5	16	11	2.8	0.7	< 0.2	0.9	0.2	15.9
340501													
340502													
340503													

Analyte Symbol	Au	Au	Br	Ca	Co	Fe	Na	Sb	Sc	Zn	La	Ce	Sm
Unit Symbol	ppb	ppb	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	1	1	0.5	1	0.05	100	0.1	0.1	20	0.1	1	0.1
Method Code	FA-AA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 218 Meas	544												
OREAS 218 Cert	531												
OREAS 220 (Fire Assay) Meas	882												
OREAS 220 (Fire Assay) Cert	866												
L-STD-6B Meas		21	5	3.5	< 1	0.10	300	0.2	0.3	30	0.8	1	0.1
L-STD-6B Cert		20.0	5.60	3.67	0.600	0.110	365	0.160	0.240	32.0	0.800	1.41	0.130
Method Blank	< 5												
Method Blank	< 5												

Quality Analysis ... *Innovative Technologies*

Report No.: **A19-13922 (i)**
Report Date: **12-Nov-19**
Date Submitted: **15-Oct-19**
Your Reference: **Skinner**

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

37 Humus samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
2A-15g	QOP INAAGEO (Humus INAA)	2019-10-30 11:47:23

REPORT **A19-13922 (i)**

Notes:

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	2	1	100	1	0.5	1	1	0.5	0.05	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH19234	5	< 2	13	300	33	5.9	2	8	< 0.5	0.59	< 0.5	< 0.5	< 5	0.8	500	< 10	< 20	0.8	0.9	< 2	< 100	< 0.5	1.4
SKH19235	2	< 2	16	400	39	6.3	3	7	< 0.5	0.66	< 0.5	< 0.5	< 5	0.9	500	< 10	< 20	0.8	1.0	< 2	< 100	< 0.5	1.3
SKH19236	9	< 2	14	300	47	6.2	2	8	< 0.5	0.50	< 0.5	< 0.5	< 5	< 0.5	600	< 10	< 20	0.9	0.9	< 2	< 100	< 0.5	1.3
SKH19237	3	< 2	9	< 100	33	6.4	3	4	< 0.5	0.31	< 0.5	< 0.5	< 5	1.2	400	< 10	< 20	0.8	0.7	< 2	< 100	< 0.5	0.9
SKH19238	3	< 2	15	500	24	4.2	7	38	1.5	1.44	1.6	< 0.5	< 5	< 0.5	1500	< 10	< 20	0.9	4.1	< 2	< 100	< 0.5	4.9
SKH19239	3	< 2	21	500	16	1.8	6	43	0.7	1.31	2.6	< 0.5	< 5	< 0.5	4700	< 10	50	1.5	4.6	< 2	< 100	< 0.5	3.5
SKH19240	< 1	< 2	7	400	41	1.4	22	56	1.7	3.00	1.6	< 0.5	< 5	1.1	7700	< 10	40	1.8	6.2	< 2	< 100	< 0.5	2.5
SKH19241	< 1	< 2	20	700	40	7.2	13	55	2.6	2.16	2.0	< 0.5	< 5	1.8	3400	< 10	70	1.1	6.9	< 2	< 100	< 0.5	8.1
SKH19242	< 1	< 2	18	< 100	42	8.3	2	7	< 0.5	0.32	< 0.5	< 0.5	< 5	5.0	600	< 10	< 20	0.9	0.9	< 2	100	< 0.5	1.0
SKH19243	< 1	< 2	15	200	50	7.8	2	10	< 0.5	0.56	< 0.5	< 0.5	< 5	0.9	600	< 10	< 20	0.7	0.9	< 2	< 100	< 0.5	1.0
SKH19244	< 1	< 2	12	< 100	59	7.3	1	9	< 0.5	0.28	< 0.5	< 0.5	< 5	2.8	600	< 10	< 20	0.4	0.8	< 2	< 100	< 0.5	1.1
SKH19245	< 1	< 2	15	500	60	9.9	5	13	< 0.5	0.60	< 0.5	< 0.5	< 5	< 0.5	1000	< 10	< 20	0.7	1.5	< 2	< 100	< 0.5	1.8
SKH19246	2	< 2	14	200	53	9.6	2	9	< 0.5	0.35	< 0.5	< 0.5	< 5	0.7	800	< 10	< 20	0.7	1.1	< 2	< 100	< 0.5	1.3
SKH19247	6	< 2	15	300	57	8.6	< 1	15	1.0	0.56	1.1	< 0.5	< 5	0.7	1400	< 10	< 20	0.9	1.9	< 2	< 100	< 0.5	2.2
SKH19248	< 1	< 2	15	300	50	9.6	4	7	< 0.5	0.42	0.7	< 0.5	< 5	< 0.5	700	< 10	< 20	0.8	1.0	< 2	< 100	< 0.5	1.1
SKH19249	5	< 2	21	200	59	7.9	2	10	< 0.5	0.50	0.7	< 0.5	< 5	< 0.5	800	< 10	< 20	0.9	1.1	3	< 100	< 0.5	0.9
SKH19250	< 1	< 2	7	800	43	1.7	36	97	2.9	3.93	2.8	< 0.5	< 5	1.4	14700	< 10	110	1.8	11.8	< 2	< 100	< 0.5	3.8
SKH19251	3	< 2	19	300	53	10.0	3	23	< 0.5	0.82	1.0	< 0.5	< 5	2.9	2700	< 10	< 20	1.1	2.2	< 2	< 100	< 0.5	1.8
SKH19252	< 1	< 2	13	300	63	10.5	3	12	< 0.5	0.30	< 0.5	< 0.5	< 5	0.5	600	< 10	< 20	0.5	0.9	< 2	< 100	< 0.5	0.9
SKH19253	< 1	< 2	13	300	62	11.1	3	8	< 0.5	0.34	< 0.5	< 0.5	< 5	0.8	600	< 10	< 20	0.5	0.9	< 2	< 100	< 0.5	0.9
SKH19254	5	< 2	26	400	66	10.8	2	11	< 0.5	0.79	1.0	< 0.5	< 5	1.2	1200	< 10	< 20	1.3	1.7	< 2	< 100	< 0.5	2.0
SKH19255	10	< 2	20	200	62	7.0	2	11	< 0.5	0.52	< 0.5	< 0.5	< 5	< 0.5	800	< 10	< 20	1.0	1.0	< 2	< 100	< 0.5	1.3
SKH19256	6	< 2	20	300	68	8.8	2	9	0.6	0.68	< 0.5	< 0.5	< 5	0.8	1100	< 10	< 20	0.9	1.6	< 2	< 100	< 0.5	1.7
SKH19257	2	< 2	21	300	52	11.0	6	11	< 0.5	0.56	1.0	< 0.5	< 5	< 0.5	1200	< 10	< 20	1.0	1.7	< 2	< 100	< 0.5	2.0
SKH19258	8	< 2	25	500	69	8.9	6	10	< 0.5	0.62	0.8	< 0.5	< 5	1.0	1100	< 10	< 20	1.1	1.5	< 2	< 100	< 0.5	1.6
SKH19259	3	< 2	21	400	88	10.6	3	9	0.7	0.39	< 0.5	< 0.5	< 5	< 0.5	700	< 10	< 20	0.7	1.1	< 2	< 100	< 0.5	1.4
SKH19260	3	< 2	8	700	53	2.1	40	118	1.8	4.55	3.9	< 0.5	< 5	< 0.5	17900	170	20	2.4	14.8	< 2	< 100	< 0.5	5.3
SKH19261	6	< 2	24	600	72	9.9	14	32	1.4	1.29	1.6	< 0.5	< 5	< 0.5	5300	< 10	< 20	1.7	3.8	< 2	100	< 0.5	2.7
SKH19262	< 1	< 2	8	100	28	5.0	2	5	< 0.5	0.20	< 0.5	< 0.5	< 5	< 0.5	400	< 10	< 20	0.4	0.6	< 2	< 100	< 0.5	0.9
SKH19263	2	< 2	8	100	26	4.7	1	3	< 0.5	0.26	< 0.5	< 0.5	< 5	< 0.5	400	< 10	< 20	0.4	0.5	< 2	< 100	< 0.5	0.6
SKH19264	3	< 2	8	200	28	4.2	2	4	< 0.5	0.20	< 0.5	< 0.5	< 5	0.8	400	< 10	< 20	0.6	0.4	< 2	< 100	< 0.5	< 0.5
SKH19265	3	< 2	9	100	18	4.8	< 1	3	< 0.5	0.15	< 0.5	< 0.5	< 5	< 0.5	300	< 10	< 20	0.5	0.4	< 2	< 100	< 0.5	< 0.5
SKH19266	< 1	< 2	8	200	33	5.6	2	5	< 0.5	0.18	< 0.5	< 0.5	< 5	0.7	300	< 10	< 20	0.3	0.5	< 2	< 100	< 0.5	0.6
SKH19267	< 1	< 2	9	200	21	5.3	< 1	3	< 0.5	0.17	< 0.5	< 0.5	< 5	0.8	300	< 10	< 20	0.4	0.3	< 2	< 100	< 0.5	< 0.5
SKH19268	1	< 2	7	100	25	5.4	< 1	4	< 0.5	0.11	< 0.5	< 0.5	< 5	2.9	300	< 10	< 20	0.2	0.4	< 2	< 100	< 0.5	< 0.5
SKH19269	< 1	< 2	9	200	24	5.5	< 1	4	< 0.5	0.12	< 0.5	< 0.5	< 5	2.6	400	< 10	< 20	0.4	0.4	< 2	< 100	< 0.5	0.5
SKH19270	< 1	< 2	4	300	22	1.4	14	38	0.7	1.92	1.0	< 0.5	< 5	1.1	4800	< 10	< 20	1.1	4.3	< 2	< 100	< 0.5	1.9

Analyte Symbol	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Lower Limit	0.1	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
SKH19234	< 0.1	< 1	30	5.4	10	4	0.7	< 0.2	< 0.2	0.3	< 0.1	15.3
SKH19235	< 0.1	< 1	30	5.9	10	11	0.7	< 0.2	< 0.2	0.3	< 0.1	15.5
SKH19236	0.3	< 1	< 20	4.2	10	12	0.5	< 0.2	< 0.2	0.3	< 0.1	15.4
SKH19237	< 0.1	< 1	< 20	3.0	5	9	0.4	< 0.2	< 0.2	0.3	< 0.1	15.6
SKH19238	1.3	< 1	50	23.0	38	29	2.4	0.6	< 0.2	1.0	< 0.1	15.2
SKH19239	0.9	< 1	< 20	15.8	30	30	1.7	0.4	< 0.2	1.1	< 0.1	15.3
SKH19240	0.3	< 1	100	12.4	27	22	1.8	0.6	< 0.2	0.9	< 0.1	15.6
SKH19241	1.9	< 1	70	40.0	61	45	4.1	1.0	< 0.2	1.8	0.1	15.8
SKH19242	< 0.1	< 1	40	4.6	8	15	0.6	< 0.2	< 0.2	0.1	< 0.1	15.1
SKH19243	< 0.1	< 1	50	3.7	6	13	0.5	< 0.2	< 0.2	0.3	< 0.1	15.5
SKH19244	< 0.1	< 1	< 20	3.0	6	13	0.4	< 0.2	< 0.2	0.3	< 0.1	15.4
SKH19245	0.1	< 1	< 20	5.0	11	9	0.7	< 0.2	< 0.2	0.5	< 0.1	15.7
SKH19246	0.6	< 1	20	3.9	9	4	0.5	< 0.2	< 0.2	0.3	< 0.1	15.6
SKH19247	0.4	< 1	< 20	6.1	11	20	0.9	< 0.2	< 0.2	0.6	< 0.1	15.3
SKH19248	< 0.1	< 1	< 20	3.8	7	4	0.6	< 0.2	< 0.2	0.4	< 0.1	15.4
SKH19249	0.4	< 1	60	4.1	9	12	0.5	< 0.2	< 0.2	0.4	< 0.1	15.6
SKH19250	1.3	< 1	220	18.8	37	21	2.6	0.7	< 0.2	1.5	0.2	15.6
SKH19251	< 0.1	< 1	< 20	5.8	12	9	0.8	< 0.2	< 0.2	0.6	< 0.1	15.6
SKH19252	< 0.1	< 1	40	3.0	6	10	0.5	< 0.2	< 0.2	0.4	< 0.1	15.5
SKH19253	< 0.1	< 1	50	3.3	6	4	0.5	< 0.2	< 0.2	0.3	< 0.1	15.4
SKH19254	0.3	< 1	50	6.4	13	14	0.9	< 0.2	< 0.2	0.7	< 0.1	15.6
SKH19255	0.2	< 1	50	3.7	10	4	0.5	< 0.2	< 0.2	0.4	< 0.1	15.4
SKH19256	0.7	< 1	< 20	5.7	11	9	0.7	< 0.2	< 0.2	0.5	< 0.1	15.3
SKH19257	0.2	< 1	< 20	6.3	13	11	0.8	< 0.2	< 0.2	0.6	< 0.1	15.9
SKH19258	0.7	< 1	60	5.6	11	16	0.7	< 0.2	< 0.2	0.5	< 0.1	15.7
SKH19259	< 0.1	< 1	40	3.7	7	15	0.5	< 0.2	< 0.2	0.4	< 0.1	15.3
SKH19260	2.5	< 1	170	22.8	44	24	3.2	0.9	< 0.2	2.0	0.2	15.6
SKH19261	1.4	< 1	170	7.7	17	14	1.0	0.3	< 0.2	0.6	< 0.1	15.5
SKH19262	0.2	< 1	20	1.9	4	6	0.3	< 0.2	< 0.2	0.2	< 0.1	15.7
SKH19263	< 0.1	< 1	40	1.7	4	4	0.3	< 0.2	< 0.2	0.2	< 0.1	15.2
SKH19264	< 0.1	< 1	50	1.6	3	< 3	0.2	< 0.2	< 0.2	0.1	< 0.1	15.8
SKH19265	0.1	< 1	40	1.4	3	< 3	0.2	< 0.2	< 0.2	0.1	< 0.1	15.5
SKH19266	< 0.1	< 1	40	1.8	3	< 3	0.2	< 0.2	< 0.2	0.2	< 0.1	15.3
SKH19267	0.3	< 1	50	1.3	3	5	0.2	< 0.2	< 0.2	< 0.1	< 0.1	15.5
SKH19268	0.4	< 1	50	1.4	3	< 3	0.2	< 0.2	< 0.2	0.1	< 0.1	15.6
SKH19269	0.2	< 1	50	1.6	3	5	0.2	< 0.2	< 0.2	0.2	< 0.1	15.2
SKH19270	0.7	< 1	90	7.2	15	9	1.1	0.3	< 0.2	0.6	< 0.1	15.9

Analyte Symbol	Au	Br	Ca	Co	Fe	Na	Sb	Sc	Zn	La	Ce	Sm
Unit Symbol	ppb	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	1	0.5	1	0.05	100	0.1	0.1	20	0.1	1	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L-STD-7 Meas	22	8	5.0	< 1	0.11	400	0.2	0.2	40	0.8	2	0.1
L-STD-7 Cert	20.0	5.60	3.67	0.600	0.110	365	0.160	0.240	32.0	0.800	1.41	0.130

Quality Analysis ... *Innovative Technologies*

Report No.: **A19-14522**
Report Date: **18-Nov-19**
Date Submitted: **28-Oct-19**
Your Reference: **Skinner**

Northern Mineral Exploration
317
Sillesdale Cres
Thunder Bay ON P7C1S7
Canada

ATTN: Andrew Tims

CERTIFICATE OF ANALYSIS

3 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2019-11-07 08:01:00
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2019-11-15 10:32:45

REPORT **A19-14522**

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Values which exceed the upper limit should be assayed for accurate numbers.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
340504	13	< 0.2	< 0.5	4	386	< 1	28	< 2	26	1.71	> 10000	< 10	28	< 0.5	< 2	1.19	23	59	3.43	< 10	< 1	0.03	< 10
340505	1390	< 0.2	< 0.5	5	107	2	3	7	6	0.29	55	< 10	31	< 0.5	< 2	0.14	1	28	0.84	< 10	< 1	0.14	< 10
340506	94	< 0.2	< 0.5	13	129	2	4	23	15	0.62	26	< 10	48	< 0.5	< 2	0.20	3	19	1.30	< 10	< 1	0.28	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
340504	1.15	0.061	0.050	0.38	10	7	131	0.17	< 20	4	< 2	< 10	71	< 10	6	8
340505	0.05	0.019	0.019	0.04	31	< 1	12	0.02	< 20	< 1	< 2	< 10	3	< 10	2	12
340506	0.12	0.023	0.019	0.16	13	< 1	29	0.03	< 20	< 1	< 2	< 10	6	< 10	4	22

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	75	1010	2	25	94	123	7.60	241	< 10	765	0.9	< 2	0.14	11	84	5.77	20	4	1.20	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2300	746	< 1	34	62	256	3.08	3		80	0.8	4	0.43	17	49	5.09	< 10		0.53	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.6	0.5	4550	832	< 1	34	81	326	3.07	11		64	0.7	18	0.42	19	47	5.84	< 10		0.44	35
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		10.9		> 10000				84	406						50		41						
Oreas 96 (Aqua Regia) Cert		11.50		39100.00				100	448						27.9		49.2						
OREAS 220 (Fire Assay) Meas	874																						
OREAS 220 (Fire Assay) Cert	866																						
OREAS 220 (Fire Assay) Meas	875																						
OREAS 220 (Fire Assay) Cert	866																						
Oreas 621 (Aqua Regia) Meas		72.4	292	3870	532	14	26	> 5000	> 10000	1.94	80			0.6	5	1.68	29	32	3.46	< 10	3	0.41	21
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
OREAS 238 (Fire Assay) Meas	2940																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
340505 Orig	1300																						
340505 Dup	1470																						
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	5																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.43	0.077	0.035	0.01	4	18	31		< 20	< 1	< 2	< 10	174	< 10	4	10
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	1.38	0.027	0.063	0.38	2	4	17		< 20		< 2	< 10	37	< 10	22	16
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.47		0.060	0.67	2	4	15		< 20		< 2	< 10	36	< 10	19	23
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas				3.99	6											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
OREAS 220 (Fire Assay) Meas																
OREAS 220 (Fire Assay) Cert																
Oreas 621 (Aqua Regia) Meas	0.47	0.166	0.035	4.89	117	2	19		< 20		< 2	< 10	14	< 10	8	67
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
340505 Orig																
340505 Dup																
Method Blank																
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																