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BURCHELL GOLD-COPPER PROPERTY

WORK REPORT OF THE 2022 PROSPECTING PROGRAM ON THE BURCHELL PROJECT, ONTARIO For BOLD VENTURES INC.

NTS Map sheet 52B/10SE

Daniel Rubiolo, Ph.D., P. Geo.
Bruce MacLachlan. P.Geo. (Limited)

December 20th, 2022

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1.0 -SUMMARY-

The prospecting program was carried out from June 7th - June 8th**,** October 1st to 7th, and from October 20th to November 5th, 2022, on Bold Ventures Inc.'s Burchell claim group, see Figure 3.

The Burchell property is located approximately 15 km southwest of the village of Kashabowie, Ontario. It is accessible by travelling about 115 km west of the City of Thunder Bay on Hwy 11, turning south on Hwy 802, and turn left again on Burchell logging road, see Figure 2.

The centre of the Property is located at, Latitude 48.548 N, and Longitude 90.595 W or 6777500mE and 5380000mN (UTM NAD83, Zone 15N).

Prospecting focused on the underexplored central and eastern areas of the Burchell property. Over the past 70 years, most of historic exploration work had been focused in areas located along the western and northwestern portion of Property.

The program was successful in identifying lithologies and NE and ENE structural corridors that are related to gold and copper anomalies that could lead further exploration.

67 grab samples were collected. The best results were obtained from six samples over 150ppb Au up to 4758ppb Au, and 12.9 ppm Ag.

Field work traverses were carried out mostly by walking along old logging roads, which are overgrown. Accommodations were provided by Kashabowie Resort during the first part of the field work (1-7 October), and Crystal Lake Resort, located approximate 30km East of Atikokan, during the second part of the field work (October 20th – November 5th).

While carrying out the work program at Burchell, a combination of truck and ATV were used to access the work sites.

B. MacLachlan was based out of Kashabowie River Resort between June 7th – 8th, D. Rubiolo and F. Lowndes were based at Kashabowie River Resort between 1st and 7th October 2022 and at Crystal Beach Resort, located approximate. 30km East from Atikokan, between October 20th and November 5th, 2022.

2.0 -INTRODUCTION-

Bold Ventures Inc. acquired the Bold Property by signing a formal option agreement on April 28th, 2022. Gold and copper are the primary target minerals.

2.1 PROPERTY DESCRIPTION, PERMIT, LOCATION AND ACCESS

The Property is located approximately 115 km west of Thunder Bay in Ontario, Canada (see Figure 1). The nearest settlement is Kashabowie village, located ~15 km to the northeast on provincial Highway 11 (part of the TransCanada highway system). The Property lies within NTS map sheet 52B/10SE in the Burchell Lake area. The Burchell property is accessible by driving from Thunder Bay on Hwy 11, turning south on a Hwy 802, and turn left again on Burchell logging road (see Figure 2).

The Burchell property consists of 216 Single Cell Mining Claims and 49 Boundary Mining Claims, totalling approximately 5,070 hectares, placed between Burchell, Squeers, and Greenwater Lakes in the western Shebandowan area (Figures 2 & 3). All claims are registered 100% in the name of John Edward Ternowesky.

Fieldwork was carried out by traversing the Property using secondary old logging roads, which are overgrown and inaccessible by truck or ATV. Accommodations were provided by Kashabowie Resort and Crystal Lake resort, see Figure 2.

The Ministry of Northern Development and Mines (MNDM) has issued Exploration Permit Numbers: PR-22-000261 and PR-22-000-281 for the Burchell property. Bold Ventures Inc. signed a formal option agreement on April 28th, 2022.

The western and northern boundaries of the Property are contiguous with Goldshore Resources Inc.'s Moss Lake Property, which hosts the Moss Lake Gold Deposit. The deposit consists of a NI 43-101-compliant Indicated resource of 1.38 Moz @ 1.1 g/t Au and an Inferred resource of 1.75 Moz @ 1.1 g/t Au (Campbell et al. 2021). Current (February 2022) exploration work on the Moss Lake Property includes a major 100,000 m diamond drilling program to upgrade and increase resources related to the known deposit. Goldshore announced an open pit-constrained inferred mineral resource estimate of 121.7 Mt at 1.1 g/t Au and 4.17 Moz contained gold at Moss Lake Deposit (Goldshore Resources website, November 15th, 2022).

Other significant gold resources, located within 2 km of the northern boundary of the Burchell claims, include the past producing (1957 to 1967) North Coldstream Mine (2.47 Mt at 1.87% Cu, 0.28 g/t Au and 5.53 g/t Ag) and the OG Deposit (formerly East Coldstream). The OG Deposit hosts a NI 43-101- compliant Indicated resource of 96,400 oz @ 0.85 g/t Au and an Inferred resource of 763, 276 oz @ 0.78 g/t Au (Campbell et al. 2021).

The Burchell Property lies within the traditional territories of the Lac des Mille Lacs, Fort William, and Lac La Croix First Nations.

2.2 CLIMATE, RESOURCES, LOCAL INFRASTRUCTURE AND PHYSIOGRAPHY

The Burchell Project is located within the Canadian Shield, which is a major physiographic division of Canada. The Property is situated in swamps, small lakes, and moderate to steep hills scattered to the locally average outcrop. Elevation across the project area ranges from 420m to 520m above sea level.

The Burchell Project is located approximately 15 km southwest of the village of Kashabowie, which sits at the junction of Trans-Canada Highway 11 and secondary Highway 802. The centre of the Property is located at approximately, Latitude 48.548 N, and Longitude 90.595 W or 677750mE and 5380000mN (UTM NAD83, Zone 15N).

Physiography of the area is on the watershed between the Pigeon River and Kaministiquia River drainage systems. The area is a peneplane with a maximum relief of 30-60m.

Topography in the area is subdued with gently rolling hills covered by mixed pine, spruce and poplar boreal forest, shallow lakes, and swamps. Bedrock exposure is limited in the area to approximately 1-5% except near Hermia Lake, where uncharacteristically thick glacial sediments (up to 60 m) cover the area and reduce bedrock exposure to less than 1%. Most of the Property area was logged in the past, and vegetation in the elevated terrains now consists of a thick re-growth of spruce, fir, and pine, interrupted by local stands of mature white pines. Muskeg, alder swamps, and dense growths of cedar locally cover the low-lying areas (Osmani, 2017). Moose, deer, and black bears inhabit the area. Beavers are quite common; their ponds and dams have caused flooding along some of the old ATV access roads.

The climate in the area is typical of Northern Ontario, with cold winters and warm summers. Average January minimum temperatures range from -18℃ to -32℃, and average July temperatures are between 24℃ and 32℃. Exploration work can be carried out (subject to snow and freezing) for most of the year. Specific mapping, mechanized stripping, and soil sampling activities are best performed in snow-free conditions, whereas drilling can occur any time of the year.

2.3 PERSONNEL

The 2022 field program was carried out by Daniel Rubiolo and Frederick (Bobby) Lowndes of Emerald Geological Services (EGS). Bruce MacLachlan conducted a preliminary visit to the Property between June 7th and 8th, 2022.

Tom Savage of Superior Geospatial provided drafting and GIS support. David Powers supplied an initial GIS-based compilation.

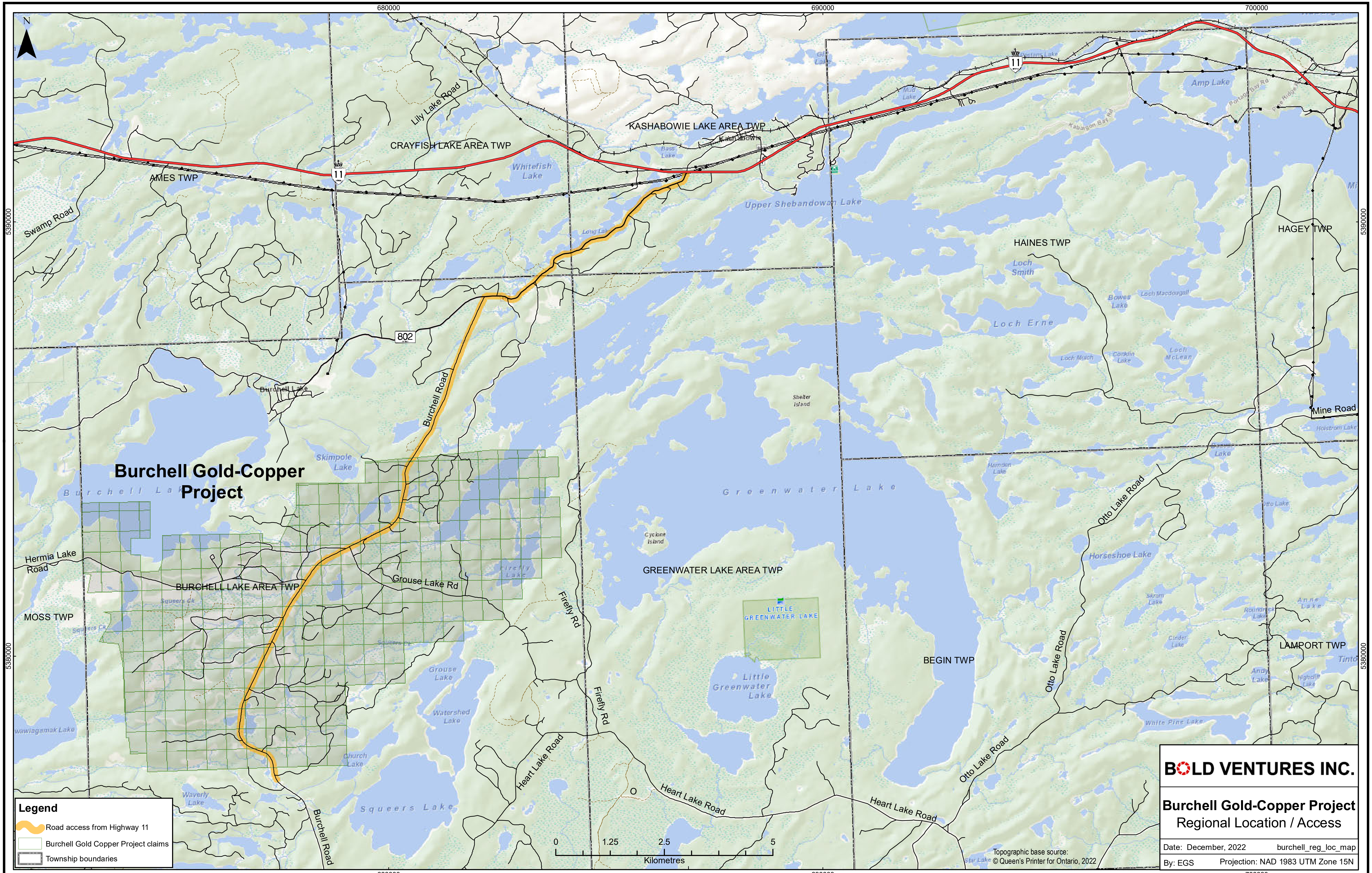
BOLD VENTURES INC.

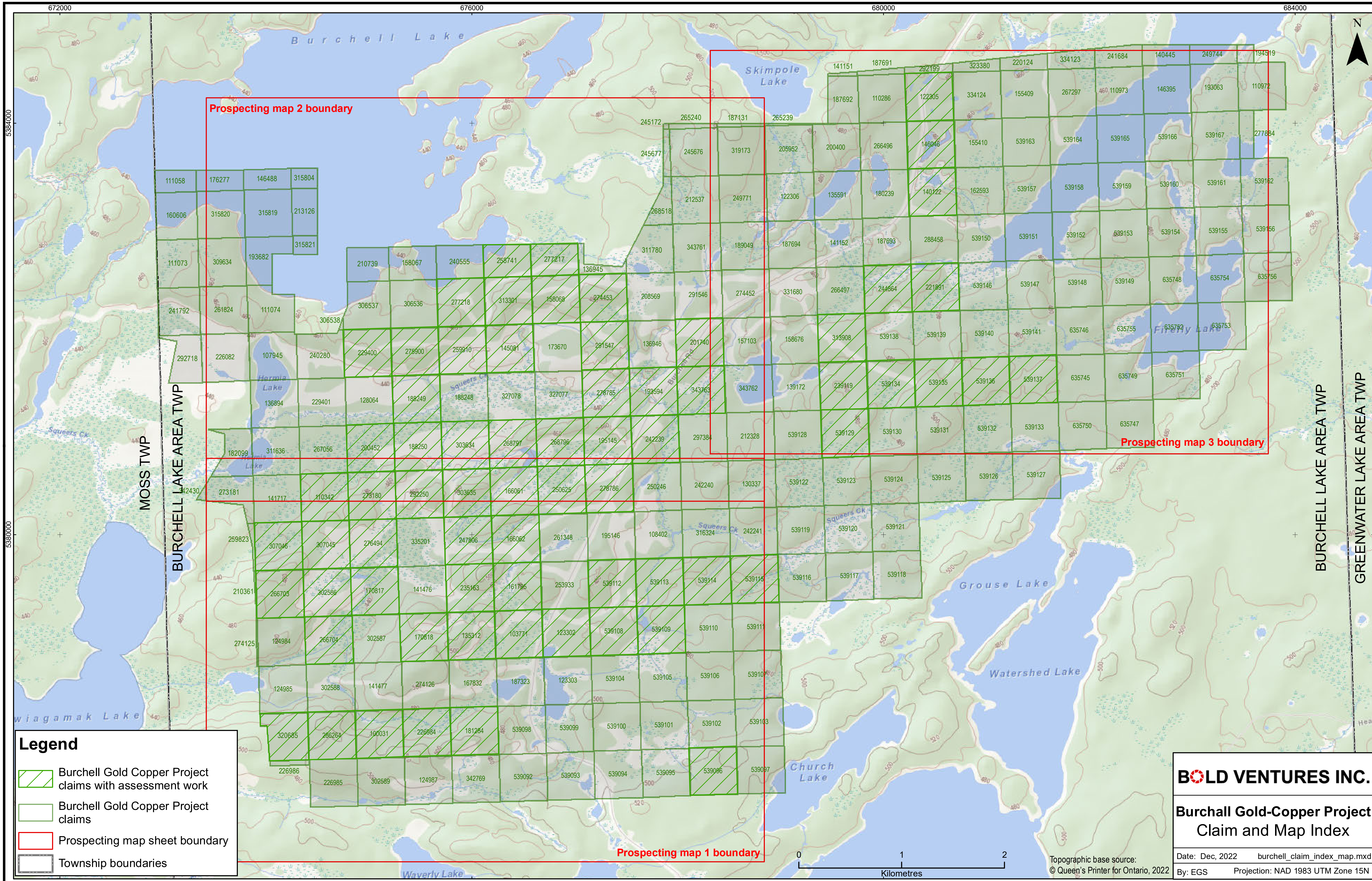
Burchell Gold and Copper Project General Location Map

Date: December, 2022

Name: EGS

File: ontloc_Burchell_2022


BOLD VENTURES INC.
Burchell Gold-Copper Project
Regional Location / Access
Date: December, 2022
burchell_reg_loc_map
By: EGS
Projection: NAD 1983 UTM Zone 15N
Legend
Road access from Highway 11
Burchell Gold Copper Project claims
Township boundaries
Burchell Gold-Copper Project
Topographic base source:
© Queen's Printer for Ontario, 2022
0
1.25
2.5
5
Kilometres
680000
690000
700000
5390000
5380000
N
KASHABOWIE LAKE AREA TWP
CRAYFISH LAKE AREA TWP
AMES TWP
HAINES TWP
HAGEY TWP
BURCHELL LAKE AREA TWP
MOSS TWP
GREENWATER LAKE AREA TWP
BEGIN TWP
LAMPORT TWP
Lily Lake Road
Swamp Road
Burchell Road
Grouse Lake Rd
Firefly Rd
Heart Lake Road
Otto Lake Road
Mine Road
Hermia Lake Road
802
11
Whitefish Lake
Upper Shebandowan Lake
Greenwater Lake
Little Greenwater Lake
LITTLE GREENWATER LAKE
Squeers Lake
Skimpole Lake
Burchell Lake
Grouse Lake
Watershed Lake
Church Lake
Waverly Lake
Loch Erne
Loch Smith
Horseshoe Lake
Amp Lake
Shelter Island
Cyclone Island
Burchell Lake
Kashabowie



Burchell Lake
Skimpole Lake
Prospecting map 2 boundary
Prospecting map 3 boundary
Prospecting map 1 boundary
MOSS TWP
BURCHELL LAKE AREA TWP
GREENWATER LAKE AREA TWP
Hermia Lake
Squeers Ck
Firefly Lake
Grouse Lake
Watershed Lake
Church Lake
Waverly Lake
Legend
Burchell Gold Copper Project claims with assessment work
Burchell Gold Copper Project claims
Prospecting map sheet boundary
Township boundaries
0 1 2
Kilometres
Topographic base source:
© Queen's Printer for Ontario, 2022
BOLD VENTURES INC.
Burchall Gold-Copper Project
Claim and Map Index
Date: Dec, 2022
burchell_claim_index_map.mxd
By: EGS
Projection: NAD 1983 UTM Zone 15N

3.0 -GEOLOGY-

3.1 REGIONAL GEOLOGY

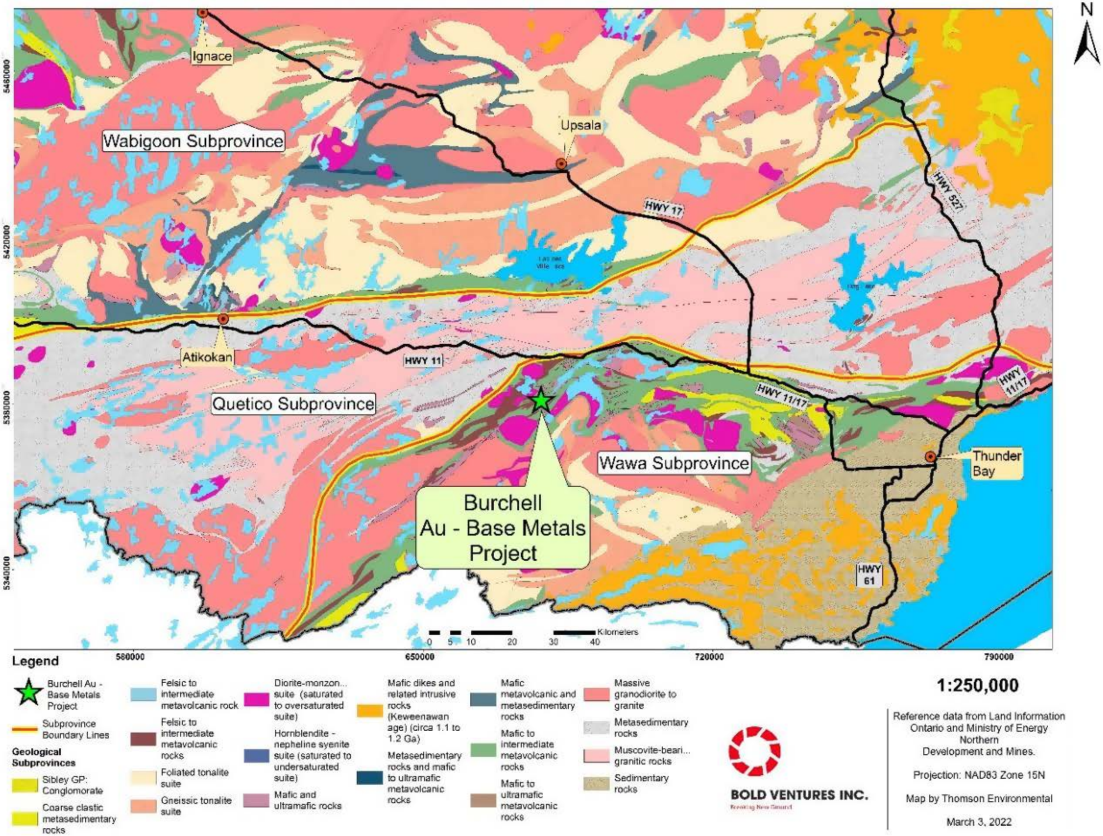
The Burchell Property is located near the western end of the Archean Shebandowan Greenstone Belt ("SGB"). This Property lies about 4 to 5 km southeast of the boundary between the Quetico metasedimentary and granite-greenstone Wawa Subprovinces in Northwestern Ontario (Magnus 2019, Stott 2011).

The Wawa Subprovince is an aggregation of Archean greenstone belts and granitoid plutons, which hosts some of the largest shear-hosted/lode gold (e.g., Hemlo's Williams and David Bell gold mines), volcanogenic massive sulphide (e.g., former Geco and Winston Lake zinc mines) and Magmatic Ni-Cu-PGM (e.g., former Shebandowan Mine) deposits in Canada.

The western portion of the Shebandowan Greenstone Belt (SGB) is host to numerous base and precious metal deposits and occurrences and is characterized by the presence of Neo-Archean tholeiitic to calc-alkalic mafic and felsic to intermediate metavolcanic rocks and their associated intrusive equivalents (2720 to 2715 Ma, Osmani 1997). Clastic and chemical (chert and chert-magnetite banded iron formation, BIF) metasedimentary rocks, although rare on the Burchell Property, occur in relative abundance within the extreme western part of the SGB near the Quetico Subprovince boundary. Komatiitic mafic, ultramafic metavolcanics and associated intrusive rocks are rare but widely distributed in the Greenwater Lake area, located approximately 10 km east of the Burchell Property (White & Thomson, 2022).

The Burchell Property is underlain by a volcano-sedimentary rock package consisting of mafic, intermediate, and felsic metavolcanic and minor chemical metasedimentary units (chert and iron formation). These rocks have been intruded by numerous concordant to sub-concordant mafic to ultramafic and intermediate to felsic hypabyssal dikes and sill-like bodies. Complex interlaying of various rock types suggests complex folding and refolding. The folding/refolding of all major rock units may be related to the emplacement of plutons located northwest (Hermia Lake pluton), southwest (Hood Lake pluton) and southeast (Greenwater Lake pluton) of the Property (Osmani, 2017)

Burchell Au - Base Metal Project: Regional Geology Map



3.2 PROPERTY GEOLOGY

Giblin (1964) provided an excellent and consistent description of the geology of the Burchell property area. The accompanying map in scale 1:36,680 (1" to 1/2 mile) titled Burchell Lake Area (M2036) is an excellent outcrop//mineralized showing map (this map is pre-GIS). Precambrian lithology consists of felsic and mafic metavolcanic rocks, greywacke and derived metamorphic schists, which have been intruded by gabbro, diorite, syenite, granite, and diabase. The metavolcanic and metasedimentary rocks have been folded about northeast-trending axes. Quaternary deposits of sand and gravel are widespread, particularly near Burchell lake.

The following paragraphs about Property Geology are selections from Osmani (2017):

Bedrock exposure is limited in the area to approximately 1-5% except near Hermia Lake, where uncharacteristically thick glacial sediments (up to 60 m) cover the area and reduce bedrock exposure to less than 1%. Bedrock geology in the Hermia Lake area is primarily based on geophysical and diamond drilling information. The only surface information obtained to date is from a few outcrops exposed in three trenches representing the Hermia Lake Cu-Au Prospect. The Hermia Lake Cu-Au Prospect is located approximately 400 m southeast of Hermia Lake (Osmani, 1993).

The Burchell Property is underlain by a volcano-sedimentary rock package consisting of mafic, intermediate, and felsic metavolcanic and minor chemical sedimentary units (chert and iron formation). These rocks have been intruded by numerous concordant to subconcordant mafic to ultramafic and intermediate to felsic hypabyssal dikes and sill-like bodies. The complex interlayer of various rock types suggests complex folding and refolding. The folding/refolding of all major rock units may be related to the emplacement of plutons located northwest (Hermia Lake), south-southwest (Hood Lake), and a few hundred metres southeast (Greenwater Lake) of the Property.

3.2.1 Mafic to Ultramafic Metavolcanic Rocks

The mafic to ultramafic metavolcanic rocks comprised of mainly aphyric to plagioclase-phyric, massive to pillowed flows, fragmental rocks (tuffs, lapilli tuffs and breccias), mafic tuffaceous sediments and their derived schists and gneisses. Mafic tuffs/sediments, which in some instances are garnet-bearing, mostly occur proximal to the Hood Lake and Greenwater Lake plutons in the south and south-southeastern parts of the Property. The garnet-bearing volcano-sedimentary rocks and their derived schists/gneisses occurring proximal to the granitic plutons indicating superimposition of amphibolite grade contact metamorphic aureole upon these rocks. Minor chert, chert-magnetite and silicate layers are generally associated with tuffaceous units in these areas.

3.2.2 Intermediate Metavolcanic Rocks

Thick deposits of intermediate metavolcanic rocks predominantly occur north and northwest of Waverly and Watershed Lakes in the southwest and southeast parts of the Property, respectively. Elsewhere on the Property, they occur as narrow bands commonly inter-layered with, or compositionally gradational into, mafic or felsic metavolcanic units. The intermediate metavolcanic rocks mainly consist of tuff, lapilli tuff and tuff breccias, and minor massive, feldspar-phyric and amygdaloidal or vesicular lava flows. Sericite ± chlorite schists occur in high-strain zones (shear/fault zones).

3.2.3 Felsic Metavolcanic Rocks

Thick deposits of felsic metavolcanic rocks occur east and southeast of Hermia Lake within the west-central part of the Property. The felsic metavolcanic rocks mainly consist of massive aphyric to porphyritic (quartz and feldspar phenocrysts) flows, tuff, lapilli tuff, tuff breccias and minor autoclastic and pyroclastic breccias. Outcrops of coarse pyroclastic units (lapilli tuff and breccias) with sulphide burns occur 2.5 to 3.0 km southeast of Hermia Lake (Osmani 1993b, 1997). At this location, the pyroclastic deposit, which measures approximately 1.0 km x 3.0 km, is comprised of tuff, lapilli tuff and pyroclastic breccias and minor massive to porphyritic flows. The course pyroclastics dominate and consist of flattened lapilli to block-size rhyolite fragments set within a sericitized, quartz-phyric tuffaceous matrix of rhyolitic composition. The fragments, which comprise more than 70% of the rock volume, also contain quartz phenocrysts. This felsic metavolcanic deposit is bounded on the northwest and southeast by the North and South branches of Upper Shebandowan Lake Shear Zone (USDZ-N and S), respectively. Quartz-sericite schists of felsic volcanic protolith commonly occur along these shear zones.

3.2.4 Metasedimentary Rocks

Metasedimentary rocks, including clastic and chemical sedimentary units, form a minor component of the supracrustal rocks on the Property. The clastic rocks comprising of wacke and siltstone generally occur in association with fragmental mafic to intermediate metavolcanic (tuffs, lapilli tuff and breccias - debris flow deposits) and chemical metasedimentary rocks. The contacts between the clastic and fragmental metavolcanic rocks are generally gradational and both commonly occur within the same outcrop. These rocks are relatively abundant in the southern and southeastern portions of the Property.

The chemical metasedimentary rocks, including chert and chert-magnetite banded ironstone units occur as minor constituent throughout the Property. Also, silicate-facies ironstone and occasional fine-grained mafic layers (chlorite or actinolite) are locally interbedded with the chert or magnetite beds (e.g., Hermia Lake Prospect area). A sulphide-bearing (pyrite ± chalcopyrite ± bornite ± pyrrhotite) chert unit occurring ~1.5 km north of Waverly Lake, is interbedded with mafic to intermediate tuffaceous rock. It contains anomalous arsenic, antimony, bismuth, and weakly anomalous gold. The chert and chert-magnetite banded ironstone unit at the Hermia Lake showing host, in part, copper-gold mineralization. These chemical metasedimentary rocks occur both within the mafic metavolcanic rocks and at the interface between the mafic and intermediate metavolcanic sequences (Osmani, 2017).

3.2.5 Mafic and Ultramafic Intrusive Rocks

Mafic to ultramafic intrusive rocks, which include aphyric and plagioclase-phyric gabbro, diorite, gabbroic anorthosite to anorthosite, amphibolite/hornblendite, pyroxenite, peridotite and their derived schists, occur as small and large sill-like bodies throughout the Property. These intrusions are most abundant in the southwestern and southeastern areas than elsewhere on the Property. Some larger sills-like bodies represent differentiated gabbro-pyroxenite-peridotite assemblage (e.g., 3 km southeast of Hermia Lake) and gabbro-anorthosite assemblage (e.g., south shore of Upper Shebandowan Lake).

These intrusions have been emplaced as concordant to sub-concordant bodies and occur most commonly within mafic to ultramafic metavolcanics and lesser extent in intermediate or felsic metavolcanic sequences. Often these intrusions have been emplaced along or near the contacts between the mafic and felsic to intermediate metavolcanic rocks and show close spatial relationship with copper-gold mineralization in the Burchell Lake and Upper Shebandowan Lakes areas (e.g., North Coldstream Mine, Copper Island occurrence, Hermia Lake Prospect).

This field relationship plus the geochemical characterization of the mafic to ultramafic intrusive rocks indicates these intrusions are probably subvolcanic hence genetically related to their extrusive counterparts (Osmani, 1997).

3.2.6 Intermediate to Felsic Hypabyssal Rocks

The intermediate to felsic hypabyssal rocks, mostly including feldspar and quartz-feldspar porphyries and their altered equivalents, occur as steeply dipping dikes and sill-like bodies on the Property.

These intrusions are relatively more abundant in the northeastern and southeastern claim areas than elsewhere on the Property, probably due to better bedrock exposures than in other areas. The western claim area, especially the west-central (e.g., Hermia Lake) and northwestern parts, are underlain by a thick glacial cover. As a result, the rock exposure amount to less than 1% to virtually no outcrops. Like their host rocks, these porphyries are invariably deformed and affected by alteration (e.g., silicification, hematite, sericite, calcite, and iron-carbonate). Some quartz-feldspar porphyries at the Hermia Lake Prospect and on adjacent properties (e.g., gold deposit on Wesdome's Moss Lake and Coldstream properties) host gold mineralization.

3.2.7 Granitoid -Syenite Rocks

The Burchell Lake Property is surrounded by three relatively large composite granitoid plutons: the Hermia Lake Pluton (HRP) in the northwest, the Hood Lake Pluton (HLP) to the south-southwest, and the Greenwater Lake Pluton (GLP) to the southeast of the Property. All these plutons partially occupy these areas of the Property.

The HRP is situated between Hermia Lake and south-southeast of Burchell Lake and consists of feldspar porphyritic hornblende syenite to monzonite with minor granite phases associated with these units. The phenocrysts of alkaline feldspar comprise, on average, 10% of the rock volume. The pluton southeast of Burchell Lake (near northern property boundary) is host to a large gabbroic xenolith which has been trenched in the past by some unknown individuals or companies. A grab sample taken from the trench by Osmani (1993b) returned anomalous copper and gold values.

The heart shaped HLP, straddling the south-southwest corner of the Property, is mainly composed of hornblende ± pyroxene monzonite and syenite and is characteristically porphyritic. It contains up to 5 cm long feldspar phenocrysts comprising 10% to 15% of the rock volume.

The crescent-shaped GLP, located a few hundred metres outside the southeastern Burchell Lake Property boundary, is partially exposed along the shores of Squeers-Watershed lakes. It is predominantly feldspar porphyritic (3 cm long) composite pluton, ranging in composition from hornblende granite through quartz syenite to quartz monzonite.

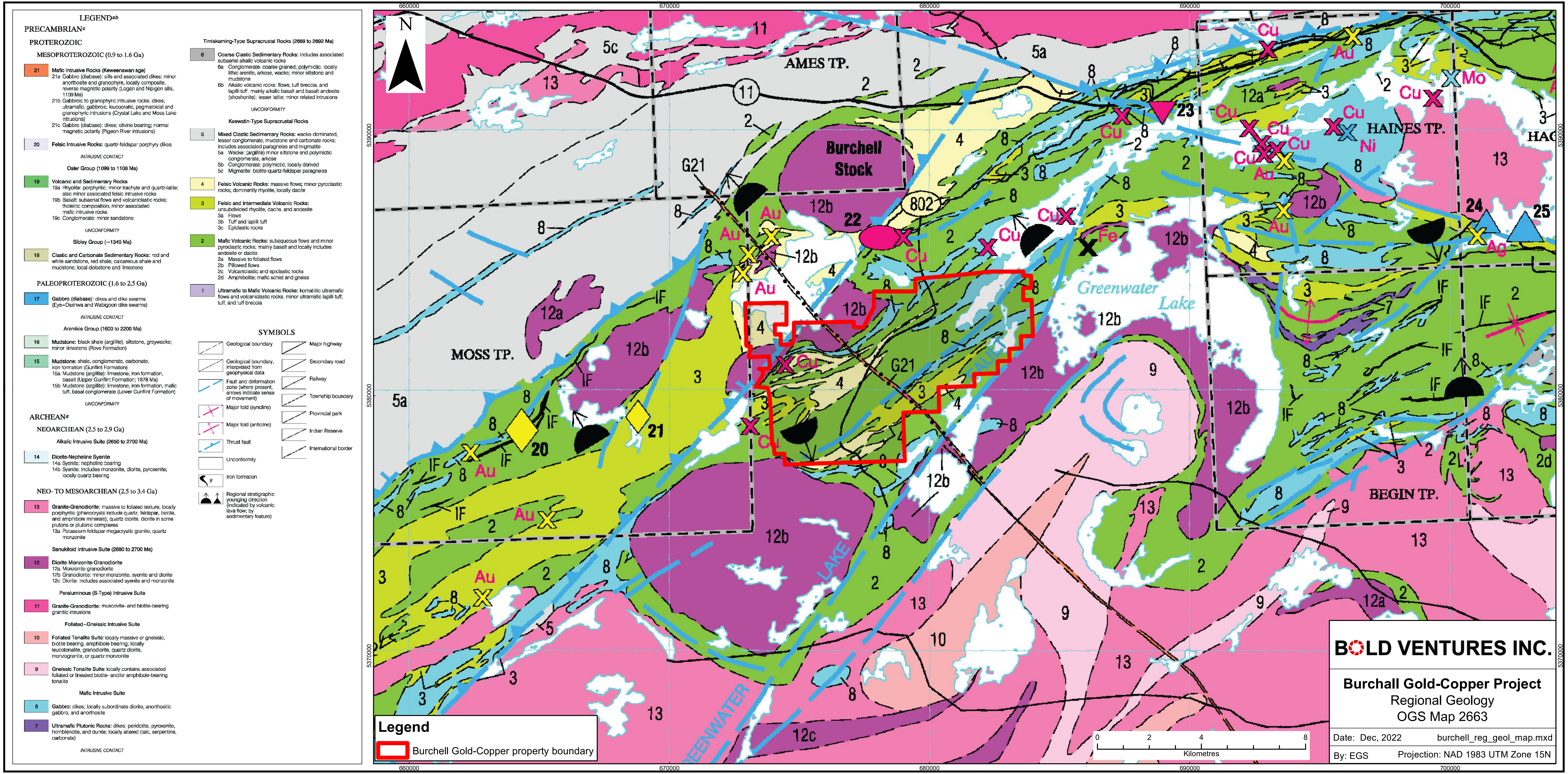
The HRP and HLP in places contain significant amounts of pyrite, chalcopyrite and bornite. For example, a few weak airborne electromagnetic conductors in the HRP west of Hermia Lake in the northwestern part of the Property suggest possible sulphide mineralization in that area. The area has seen some trenching and historical drilling in the past but no results from these works are in the public domain or available to the authors (Osmani, 2017).

3.2.8 Diabase/Mafic Dikes

Northwest-trending, Paleoproterozoic diabase and mafic dikes are the youngest intrusions on the Property (Osmani 1991). These dikes are usually of short strike length and occur adjacent and subparallel to northwest-striking faults/fracture zones. Widths of dikes range from 1 to 10 m. Two varieties of these intrusions occur on and/or adjacent to the Property: 1) fine-grained to aphanitic and 2) plagioclase porphyritic (Osmani 1993). In the porphyritic variety, the plagioclase phenocryst is up to 0.5 cm in size.

A northwest-striking gabbroic/amphibolite dike outcropping southeast of Squeers Lake, extends, albeit discontinuously, in a northwest-southeast direction across the property boundary (Osmani 1993b). The dike in the Squeers Lake area coincides with a long (~4.5 km) linear anomaly of relatively higher magnetic susceptibility (Map 81574, Ontario Geological Survey 1991).

Figure 5 (next page): Regional geology and setting of the Burchell Lake property with the western Shebandowan Greenstone Belt (SGB). Sources: Santaguida (2001) and Osmani (1996, 1997). Blue linear dots in the extreme west-central part of the map represent the approximate location of the Larose Deformation Zone (LDZ). The black and red linear dots alternating with blue dented lines represent Boundary Fault Zone (BFL) and Burchell Lake Fault (BFL), respectively.


LEGEND[ab]
PRECAMBRIAN[c]
PROTEROZOIC
MESOPROTEROZOIC (0.9 to 1.6 Ga)
21 Mafic Intrusive Rocks (Keweenawan age)
21a Gabbro (diabase): sills and associated dikes; minor anorthosite and granophyre, locally composite, reverse magnetic polarity (Logan and Nipigon sills, 1109 Ma)
21b Gabbroic to granophyric intrusive rocks: dikes; ultramafic, gabbroic, leucocratic, pegmatoidal and granophyric intrusions (Crystal Lake and Moss Lake intrusions)
21c Gabbro (diabase): dikes; olivine bearing; normal magnetic polarity (Pigeon River intrusions)
20 Felsic Intrusive Rocks: quartz-feldspar porphyry dikes
INTRUSIVE CONTACT
Osler Group (1099 to 1108 Ma)
19 Volcanic and Sedimentary Rocks
19a Rhyolite: porphyritic; minor trachyte and quartz-latite; also minor associated felsic intrusive rocks
19b Basalt: subaerial flows and volcaniclastic rocks; tholeiitic composition; minor associated mafic intrusive rocks
19c Conglomerate: minor sandstone
UNCONFORMITY
Sibley Group (~1340 Ma)
18 Clastic and Carbonate Sedimentary Rocks: red and white sandstone, red shale; calcareous shale and mudstone; local dolostone and limestone
PALEOPROTEROZOIC (1.6 to 2.5 Ga)
17 Gabbro (diabase): dikes and dike swarms (Eye–Dashwa and Wabigoon dike swarms)
INTRUSIVE CONTACT
Animikie Group (1600 to 2200 Ma)
16 Mudstone: black shale (argillite), siltstone, greywacke; minor limestone (Rove Formation)
15 Mudstone: shale, conglomerate, carbonate, iron formation (Gunflint Formation)
15a Mudstone (argillite): limestone, iron formation, basalt (Upper Gunflint Formation; 1878 Ma)
15b Mudstone (argillite): limestone, iron formation, mafic tuff, basal conglomerate (Lower Gunflint Formation)
UNCONFORMITY
ARCHEAN[d]
NEOARCHEAN (2.5 to 2.9 Ga)
Alkalic Intrusive Suite (2650 to 2700 Ma)
14 Diorite-Nepheline Syenite
14a Syenite: nepheline bearing
14b Syenite: includes monzonite, diorite, pyroxenite; locally quartz bearing
NEO- TO MESOARCHEAN (2.5 to 3.4 Ga)
13 Granite-Granodiorite: massive to foliated texture; locally porphyritic (phenocrysts include quartz, feldspar, biotite, and amphibole minerals); quartz diorite, diorite in some plutons or plutonic complexes
13a Potassium-feldspar megacrystic granite, quartz monzonite
Sanukitoid Intrusive Suite (2680 to 2700 Ma)
12 Diorite-Monzonite-Granodiorite
12a Monzonite-granodiorite
12b Granodiorite: minor monzonite, syenite and diorite
12c Diorite: includes associated syenite and monzonite
Peraluminous (S-Type) Intrusive Suite
11 Granite-Granodiorite: muscovite- and biotite-bearing granitic intrusions
Foliated–Gneissic Intrusive Suite
10 Foliated Tonalite Suite: locally massive or gneissic; biotite bearing, amphibole bearing; locally leucotonalite, granodiorite, quartz diorite, monzogranite, or quartz monzonite
9 Gneissic Tonalite Suite: locally contains associated foliated or lineated biotite- and/or amphibole-bearing tonalite
Mafic Intrusive Suite
8 Gabbro: dikes; locally subordinate diorite, anorthositic gabbro, and anorthosite
7 Ultramafic Plutonic Rocks: dikes; peridotite, pyroxenite, hornblendite, and dunite; locally altered (talc, serpentine, carbonate)
INTRUSIVE CONTACT
Timiskaming-Type Supracrustal Rocks (2689 to 2692 Ma)
6 Coarse Clastic Sedimentary Rocks: includes associated subaerial alkalic volcanic rocks
6a Conglomerate: coarse grained; polymictic; locally lithic arenite, arkose, wacke; minor siltstone and mudstone
6b Alkalic volcanic rocks: flows, tuff breccia, and lapilli tuff; mainly alkalic basalt and basalt-andesite (shoshonite); lesser latite; minor related intrusions
UNCONFORMITY
Keewatin-Type Supracrustal Rocks
5 Mixed Clastic Sedimentary Rocks: wacke-dominated, lesser conglomerate, mudstone and carbonate rocks; includes associated paragneiss and migmatite
5a Wacke: (argillite) minor siltstone and polymictic conglomerate, arkose
5b Conglomerate: polymictic; locally derived
5c Migmatite: biotite-quartz-feldspar paragneiss
4 Felsic Volcanic Rocks: massive flows; minor pyroclastic rocks; dominantly rhyolite, locally dacite
3 Felsic and Intermediate Volcanic Rocks: unsubdivided rhyolite, dacite, and andesite
3a Flows
3b Tuff and lapilli tuff
3c Epiclastic rocks
2 Mafic Volcanic Rocks: subaqueous flows and minor pyroclastic rocks; mainly basalt and locally includes andesite or dacite
2a Massive to foliated flows
2b Pillowed flows
2c Volcaniclastic and epiclastic rocks
2d Amphibolite; mafic schist and gneiss
1 Ultramafic to Mafic Volcanic Rocks: komatiitic ultramafic flows and volcaniclastic rocks, minor ultramafic lapilli tuff, tuff, and tuff breccia
SYMBOLS
Geological boundary
Geological boundary, interpreted from geophysical data
Fault and deformation zone (where present, arrows indicate sense of movement)
Major fold (syncline)
Major fold (anticline)
Thrust fault
Unconformity
IF Iron formation
Regional stratigraphic younging direction (indicated by volcanic lava flow; by sedimentary feature)
Major highway
Secondary road
Railway
Township boundary
Provincial park
Indian Reserve
International border
N
AMES TP.
MOSS TP.
HAINES TP.
BEGIN TP.
Burchell Stock
Greenwater Lake
GREENWATER LAKE FAULT
11
802
G21
660000
670000
680000
690000
700000
5390000
5380000
5370000
Legend
Burchell Gold-Copper property boundary
0 2 4 8
Kilometres
BOLD VENTURES INC.
Burchell Gold-Copper Project
Regional Geology
OGS Map 2663
Date: Dec, 2022
burchell_reg_geol_map.mxd
By: EGS
Projection: NAD 1983 UTM Zone 15N

4.0 -EXPLORATION HISTORY-

The following exploration history summary was extracted from White & Thomson, 2022:

1948 – **Ivar Wadson** completed a small drilling campaign on the Burchell Lake Property east of Hermia Lake consisting of four drill holes (W-1 to W-4), totalling 109 m. It was the first recorded work on the Property; however, no results were reported.

1956 to 1957 – **Great Lakes Copper Mines Ltd.** completed 1669m of diamond drilling in 15 holes. Core sample assays ranged up to **1% Cu** /5.6 m (Hole M7) in a siliceous cherty rhyolite breccia and as high as **5.08% Cu** (Hole M-5) (Osmani 2017, White & Thomson, 2022).

1957 – **The Mining Corporation of Canada Ltd.** completed an 8-hole, 624 m diamond drilling program on a property west of Hermia Lake. Sample analysis from Hole T2-8 returned **1.4% Cu**/ 0.67 m and **1.22% Cu** / 0.30 m.

1962 – **International Nickel Company of Canada Ltd**. drilled three holes totalling 210m on Upper Shebandowan Lake. The highest results obtained from core analysis yielded **0.08% Cu** and **0.18% Ni**.

1964 – Noranda Exploration Company Ltd. carried out a brief drill program in 1964 consisting of three holes (N-1, 2, 3) located southwest of Upper Shebandowan Lake, totalling 317 metres. Drill holes yielded nil to trace Au values.

1965 – Consolidated Mining and Smelting completed an extensive airborne Mag-EM geophysical survey over Moss Township and part of the Burchell Lake Area. Most of this work occurred southwest of the current Property. Still, it extends onto it and is an excellent regional guide to structures that may continue from the old Huronian Mine (Ardeen) or Moss Lake Gold Property to the southwest (Osmani 2017).

1964 to 1965 - Mining Corporation of Canada covered 16-line km of ground magnetic and electromagnetic ("Mag-EM") geophysical survey over an area approximately 1 km east of Hermia Lake. The survey delineated a few conductive zones, which coincide with the Hermia Lake stock contact with the surrounding meta-volcanic assemblages. In addition, the Mining Corporation of Canada drilled three holes (B4-65-1, 2, 3) targeting EM conductor axis. Assay values were not included in the assessment report.

1966 to 1967 – **Cominco Ltd.** conducted a drill program consisting of three holes totalling 328m, which targeted EM conductors located east of Fountain Lake. No assay results were reported.

1971 to 1972 – According to a Gulf Minerals assessment report (1982), **Freeport Canadian Exploration Company** drilled 2909m in 16 holes on the Burchell property during this period. These holes appeared to have been drilled in the same area as the Gulf Minerals drill holes completed in 1982. Highlights of drill hole results from Freeport Sulphur's 1971 program include **0.36% Cu** / 6.1 m and **0.28% Cu** / 48.8m (Solonyka, 1982).

1976 – **Belore Mines Ltd**. drilled three holes, totalling 470m east of Hermia Lake, to follow up on an IP survey completed by McIntyre Mines Ltd in 1975. One of the holes intersected 2 zones of wide low-grade visible copper mineralization, which returned **0.232% Cu** /96m and **0.292% Cu**/ 9.1m. Drill logs also indicated several zones of pyrite, chalcopyrite, molybdenite, hematite, and/or magnetite, which were not analyzed (Osmani 2017).

1980 to 1982 – **Gulf Minerals Canada Ltd**. completed a 42 km ground Mag-EM geophysical survey and drilled six holes, totalling 1837m, on a property southeast of Burchell Lake. Assay results include **0.29% Cu** / 42.5 m and **1.09% Cu** / 1.5 m.

1987 to 1988 – **Newmont Exploration Canada Ltd**. completed a 76.4 line-km VLFEM geophysical survey followed by an 8-hole diamond drilling program totalling 1850m. Diamond drilling was conducted in the northwest portion of the current-day Burchell Property. Drill Hole 88-07 returned **1.05 g/t Au** /3.36 m, and Drill Hole 88-4 returned **0.8 g/t Au** /6.8 m (including **1.8 g/t Au** / 1.65 m) (Osmani 2017).

1992 – **A. Wallace** conducted mapping and sampling on the Burchell Lake Property, which produced numerous anomalous multi-element assays (Cu, Zn, Au, Ag). The most significant results obtained are from chip sampling across a vein structure and included **2.9 g/t Au** / 0.30 m, **0.97 g/t Au** / 0.91 m, **3.4 g/t Au** /0.30 m, 19.3 g/t Au over 0.61 m, and **42.2 g/t Au** over 0.61m (Osmani 2017).

1997 – Ike A. Osmani performed detailed field work for the Ontario Geological Survey (OGS) during the 1990s and later as a consultant for Tanager Energy Inc. on the Burchell Lake Property in 2017. This work identified deformation zones and or structural corridors, tying together much of the significant gold mineralization in this area of the Shebandowan Greenstone Belt (SGB). Historical gold occurrences in the northwest portion of the Burchell Gold - Copper Property are located within a 25 km long northeast-trending structure known as the Moss Lake-Coldstream Deformation Zone (MLCDZ) (Osmani 2017). This structural zone also hosts the Moss Lake Deposit, past producing North Coldstream Mine and the OG Deposit. The presence of this significant structure will assist in targeting exploration work on the Burchell Property.

2006 – **Helm Exploration Ltd.** completed a helicopter-borne electromagnetic survey (VTEM) over the western portion of the current Burchell Lake Property.

2007 – Mengold Resources Inc. carried out ground EM, Mag, and IP surveys over portions of the western Burchell Lake property.

2004 to 2010 – **Mengold Resources Inc**. conducted several prospecting and sampling programs over the Burchell Property and completed basal till and soil geochemical surveys. Two diamond drilling programs were also conducted in 2006 (five holes totalling 669m) and in 2008 (20 holes totalling 3199 m). Intersections of low-grade copper mineralization were returned in drill holes BU08- 12 and BUO8-15 in the area immediately east of Hermia Lake. Most significant gold values are associated with intermediate to felsic fine-grained tuffaceous rocks with associated pyrite mineralization. The highest gold value was obtained from Hole BU08-7 at **7.19 g/t Au** / 0.40 m in this area.

2017 – **Tanager Energy Inc**. released a NI 43-101 Technical Report covering the Burchell Lake Property (Osmani, 2017). Historical gold occurrences in the northwest portion of the Burchell Gold - Copper Property are located within a 25 km long northeast-trending structure known as the Moss Lake-Coldstream Deformation Zone (MLCDZ, Osmani 2017). This structural zone also hosts the Moss Lake Deposit, past producing North Coldstream Mine and the OG Deposit. The presence of this significant structure should assist in targeting exploration work on the Burchell Property. Osmani (1997, 2017) are critical components to deciphering the nature of the gold mineralization in this portion of the SGB (White & Thomson, 2022).

2019 – **Paleo Resources Inc**. contracted Prospectair Geosurveys to complete a High-Resolution Heliborne Magnetic Survey over the entire Burchell Gold - Copper Property.

Historical exploration work has identified two key areas of significant mineralization on the Burchell Property:
- Northwestern Au occurrences
- Hermia Lake Cu-Au prospect

These two areas are located along the western portion of the Burchell Property where much of the past exploration work has been focused. It is evident from a review of the historical data over the past 70 years that the central and eastern regions of the Property have been under-explored. This is even though these under-explored areas are underlain by similar bedrock geology and structural features that trend across the Property from southwest to northeast. This observation is supported by detailed mapping conducted by the Ontario Geological Survey by Osmani 1997 (White and Thompson, 2022).

5.0 2022 PROSPECTING PROGRAM

5.1 INTRODUCTION

From 1st to 7th October and from October 20th to November 5th, 2022, a prospecting program was carried out on the Burchell property, located approximately 115 km west of the city of Thunder Bay, see figure 1.

A preliminary compilation of available data supported this initial fieldwork prospecting program. A total of 128 diamond drill holes were compiled during the compilation work. This initial digital (GIS format) compilation of Burchell's historical data was performed by David Powers and Tom Savage. This preliminary compilation consisted of geo-referencing of historical geological, geochemical, geophysical and drill hole maps, digitizing data from the geo-referenced maps and entering of drill data to allow for the plotting and interpretation of the historical work. This type of previous compilation is a critical component for every boot and hammer exploration program.

Giblin (1964) 's pre-GIS map M2036 (scale 1:31,680) served well during the GIS compilation and fieldwork.
Fieldwork was carried out by truck from Kashabowie River Resort between the 1st and 7th of October and from Crystal Lake Resort between October 20th and November 5th, 2022, see Figure 2.

All the work and sample locations were defined with a handheld Garmin GPS, using UTM: NAD 83 Zone 15 metric coordinates. Foot, truck, and ATV tracks were collected by GPS, saved as separate files, and plotted on Maps 1, 2 and 3, see Appendices. Grab samples and field observations were recorded on excel tables and plotted on a geographic information system software.

A total of sixty-seven (67) grab samples were collected, photographed, individually bagged, labelled, put into rice bags, and driven to ActLabs in Thunder Bay.

We inserted seven control samples into the batches sent to the lab. As certified standards, we used one (1) OREAS 200, one (1) OREAS 243, two (2) OREAS 231, and three (3) blanks CDN-BL-10.

Rock-grab samples were photographed in the field and labelled by their sample number, the direction of the photo taken, and type (outcrop or float). A representative rock sample, "Rep," was labelled for every rock sample sent for analysis and kept for future reference. In addition to the rock sample photos, photos of various outcrops and other features in the field were collected and labelled.

Actlabs analyzed samples by fire assay (1A2-50) and ICP trace elements (1F2). Selected samples of mafic composition were additionally requested to analyze with 1C-Exploration package (Gold, Platinum, and Palladium).

Rock-Grab Sample Descriptions are presented in Table 1, Appendix I, and Rock Assay Certificates are presented in Appendix II. Descriptions of the ActLabs analytical procedures and packages are presented in Appendix III; several Points of Interest (POI – geological and non-geological observations) are presented in Table 2, Appendix IV. A list of the Burchell Cell-Claims is presented in Table 3, Appendix V; the Statement of Expenditures and Expenditures per Cell (Table 4) are given in Appendix VI; and the Daily Log is presented in Table 5, Appendix VII. Map Sheets presented in Appendix VIII display the locations of the rock samples and POIs with the claim boundaries, as well as each daily traverse.

While conducting the work program at Burchell, a combination of trucks, ATV, and foot traverses were necessary to access the work sites and an InReach device was kept for emergency use.

5.2 PROSPECTING RESULTS

Sixty-seven (67) grab samples were collected on the Property. Additional seven (7) control samples as standards and blanks were added into the two (2) batches sent to Activation Laboratories Ltd in Thunder Bay (ActLabs, WO# A22-14628 and WO# A22-16878).

Of the 67 rock-grab samples collected, six (6) returned >**150ppb Au** and are described below (at drafting this report, we did not receive complete assay results from the laboratory).

- One (1) grab sample (A1104789) was collected as an angular rusty quartz boulder (0.5m x 0.4m x 0.4m) with pyrite traces. Angular float includes contact with biotite-rich lamprophyre, returning **285ppb Au, 1160 ppm Cu, 345 ppm Ni, 210 ppm Zn**.

- One (1) grab sample (A1104792) local angular float was collected in the old trench of the west-end of the Property of the Burchell property. It consists of a local angular float of fine-grained, cherty, and rusty felsic rock, strongly silicified, up to 2% disseminated pyrite, sheared, returning **4758ppb Au** and **12.9 ppm Ag.**

- Three (3) grab samples (A1104793, A1104794, and A1104795) were collected in the same old trench and returned **618ppb Au, 777ppb Au,** and **692 ppb Au,** respectively.

- One (1) sample (A1104803) was collected from a sheeted quartz cm-veinlet hosted in a massive, fine-grained sheared amphibolite. This veinlet contains traces of pyrite-chalcopyrite and malachite. Chalcopyrite is less than 0.1% in less than 1mm-crystals surrounded by an oxidation red-brown mineral (cuprite? or chalcocite?) and green malachite, returning **213ppb Au**, and **951ppm Cu.** Most of these thin sheeted quartz veinlets (5cm-10cm wide) have azimuth 220deg/70deg N and are separated approximately 1m from each other.

Of the 67 rock-grab samples collected, 51 returned gold values over the detection limit, which could be considered as preliminary marginal gold anomalous >**5ppb Au** (complete assay results have not been returned from Actlabs at the date of drafting this report).

West of Burchell road were identified thin sheeted quartz veinlets (0.05m-0.1m wide) hosted in a massive, fine-grained sheared amphibolite. These veinlets contain traces of pyrite-chalcopyrite and malachite. Chalcopyrite is less than 0.1% as less than 1mm-crystals surrounded by an oxidation red-brown mineral (cuprite or chalcocite?) and malachite in sugary white quartz. Three thin quartz veinlets samples, A1104801, A1104802 and A1104803, are from 0.05m-0.1m, sheeted quartz veinlets, azimuth 220deg/70deg N. These sheeted quartz veinlets are separated approximately 1m from each other. The host rock is a massive, fine-grained, sheared chloritized amphibolite with olivine ovoidal mm-crystals, strong chloritization and foliation azimuth 310deg/85deg NE.

These quartz veinlets hosted in mafic rocks are anomalous in gold, chrome, copper, and nickel:
Sample A1104801: **51ppb Au, 150ppm Cr**, and **183ppm Cu**
Sample A1104802: **126ppm Ni**
Sample A1104803: **213ppb Au**, and **951ppm Cu**

Gold anomalies were identified along the ENE structure, parallel north of Thrice Road (samples A1104812, A1104813, A1104814, and A1104815).

Sample A1104812: **8ppb Au**. Porphyry-clastic, felsic-intermediate tuffaceous rock. Porphyry-clasts of plagioclase with blue eyes quartz in an aphanitic banded matrix.

Sample A1104813: **11ppb Au**. Hornblende-syenite, coarse-grained, pink-green colour. Grey quartz cm-veinlets, with pyrite traces, pinch and swell, azimuth 250deg/85deg N. Outcrop forms cliffs.

Sample A1104814: **18ppb Au.** Quartz cm-veinlet in syenite, rusty contact, pyrite traces.

Sample A1104815: **8ppb Au**. Quartz cm-veinlet in syenite, rusty contact, pyrite traces.

Traverses near main Burchell road. Also, along a parallel ENE structure, minor gold anomalies resulted from outcrops.

Sample A1104818: **15 ppb Au**. Felsic, fine-grained rock, aphanitic texture, porphyritic, quartz-feldspar flaser-texture, with 1.5% disseminated mm-pyrite along foliation. Azimuth 070deg/60deg S.

Traverses along localities along ENE structure also west of Burchell road identified sheeted white quartz veinlets hosted in felsic, quartz-sericite phyllite. These 0.1-0.2m wide quartz veinlets contain traces of pyrite (less than 0.2% py), and mm-flaky muscovite and are marginally gold anomalous. Samples A1104819, A1104820, A1104821, A1104822, A1104823, and A1104824 contain **7-8 ppb Au**.

Sample A1104819: **7ppb Au.** White quartz veinlet with traces of flaky muscovite. The host rock is felsic, quartz-sericite phyllite. 0.1-0.2m wide quartz veinlet.

Sample A1104824: **8 ppb Au.** Sheeted quartz veinlet in brecciated, fine-grained felsic volcanic. Angular clasts 0.1m-0.2m of matrix-supported breccia, 1% disseminated pyrite, hematite, and mm-flaky muscovite. Quartz veinlets azimuth 335deg (POI_DR_352, outcrop, view to N).

Sample 1104825: **69ppb Au.** Rounded boulder (2mx1mx1m) of probable bimodal pyroclastic rock as interlayer of mafic-felsic composition. 20% pyrite cubes concentrated along a 1-2cm layer (float).

Sample A1104826: **10ppb Au.** Quartz cm-veinlet hosted in felsic fine-grained sericite phyllite (0.2% pyrite), foliation azimuth 320deg/70degN (POI_DR_359).

Sample A1104827: **11 ppb Au**. Quartz cm-veinlet hosted in felsic fine-grained sericite phyllite (0.5% pyrite), foliation azimuth 320deg/70degN.

Traverse south of Thrice rd. on felsic rhyolite cliffs along ENE structure (October 31st, 2022).

Samples A1104838 & A1104839: **19ppb Au** and **20ppb Au,** respectively. Felsic, quartz-sericite phyllite, 2% pyrite. In contact with sericite-(chlorite) schist, foliated azimuth 230deg/85degNW.

Sample A1104840: **17ppb Au**. Felsic, quartz-sericite phyllite, 1% pyrite (POI_DR_413).

Sample A1104841 & 1104842: **21ppb Au, 29ppb Au.** Felsic, quartz-sericite phyllite, rusty, 5% pyrite, foliation azimuth 065deg/70deg S.

Sample 1104843: **54 ppb Au**. Meta-rhyolite, silicified, disseminated pyrite, brecciated, foliation azimuth 068deg/70deg S. Blue quartz-eyes, 0.5cm porphyroblasts, silicified, brecciated, 2%py (chalcopyrite, bornite 0.1%).

Prospecting traverse near Grouse Road (November 2nd, 2022).

Sample A1104846: **17 ppb Au**. Syenite w/secondary quartz flooding, 10% disseminated pyrite, goethite.

Sample A1104847: **18 ppb Au**. Syenite w/secondary quartz flooding (silicification), 3% disseminated pyrite, magnetic (po-py-mt), layered from coarse-grained to micro-syenite. Cm-quartz veinlets, in echelon, pinch and swell, azimuth 230deg/85degN, interlayered with Chlorite schist (magnetic), probable metasomatism (POI-439).

Sample A1104848: **45 ppb Au**. Quartz sub-rounded boulder (float, 60cmX30cmX30cm) with 5% cpy and 3% py, malachite staining. Rounded-subrounded. White quartz-float in glacial-fluvial till.

A traverse on the SW-corner Burchell property was explored for historical data and copper showings (3rd Nov 2022).

Sample A1104849: **17ppb Au**. Quartz-veinlets, azimuth 260deg/30deg N, hosted in felsic rock, rusty w/ limonite (0.2% pyrite traces), foliation azimuth 065deg. Layers are partially brecciated, cemented with MnO, Fe-oxides, sulphides, and fetid-stink.

Sample A114850: **12ppb Au**. cm-quartz-pods, 0.2% pyrite, goethite, Fe-oxides, magnetite, Host rock is mafic layered gabbro (amphibolite), foliation azimuth 060deg/vertical (POI-451).

Prospecting near Grouse Road, identified two rusty angular boulders 5m apart of each other (November 4th, 2021)

Sample A416009: (0.1x0.2m) is an angular float of brecciated layered rock, magnetite rich, silicified, with quartz veining and 0.3% pyrite-limonite traces.

Sample A416010: **13ppb Au**. Angular boulder of brecciated felsic-cherty rock with quartz veining, pyrite traces (0.5%), and goethite.

A traverse NE from Burchell road to Squeers creek (November 5th, 2022) collected:

Sample A416011: **9 ppb Au**. White-quartz cm-dm-veinlet, sigmoidal-pods-vein, azimuth 130deg, rusty, goethite. The host rock is a fine-medium-grained equigranular intermediate rock (POI-483).

Sample A416012: **9 ppb Au**. White-quartz cm-dm-veinlet, sigmoidal-pods-vein, 0.1% pyrite-mm-cubes. Host rock is a brecciaed mafic-felsic contact, actinolite (POI-484 near POI-471).

6.0 DISCUSSION OF RESULTS AND RECOMMENDATIONS -

6.1 DISCUSSION OF RESULTS

This initial exploration work on the Burchell Gold – Copper Property focused on prospecting across secondary access roads and particularly:

the Hermia Copper-Gold Prospect and its underexplored extension along trend to the NE and ENE. The sheared contact between felsic-intermediate and mafic schists seems to be an important "*metallotect*" as a structure that favors concentration of metallic minerals. This can be a guide for further exploration.

6.2 RECOMMENDATIONS

Refurbishing all secondary access roads is recommended before any future prospecting activity.

Continue prospecting along the NE and ENE trend and along the NE Hermia Copper-Gold Prospect and its underexplored extension to the NE and ENE along trend.

A complete digital (GIS format) compilation of historical is recommended at Burchell. The compilation should consist of geo-referencing historical geological, geochemical, geophysical and drill hole maps, digitizing data from the geo-referenced maps and entering all drill data to allow for plotting and interpretation of the historical work.

Detailed prospecting, sampling and geological mapping should be followed by stripping and channel sampling in favourable areas.

Detailed prospecting should include visiting historical drill holes and trenches to be located and recorded with handheld GPS.

Historical trenches should be refurbished and conduct as a structural study to understand better the structural complexity and controls related to mineralization.

Upon verifying the location of historical drill hole collars and a completed structural study, interpreted mineralized trends (Northeast-Southwest Copper-Gold Trend and East-northeast Copper-Gold Trend.) should be re-interpreted, and compilation maps updated accordingly.

A drilling campaign is suggested to verify historical drill holes with significant mineralization and exploration drilling of three areas/targets to test the strike length of the interpreted mineralized trends. An initial 2,000 metres of drilling is required to test these three targets, plus verification drilling of historically defined mineralization areas.

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8.0 -STATEMENTS OF QUALIFICATIONS

I, Daniel G. Rubiolo, P.Geo., a consulting geologist residing at 212-1444 East 13th Avenue Vancouver, B.C., V5N 2B6 do hereby certify that:

1. I graduated from the University of Cordoba, Argentina, with an M.Sc. degree in Geological Sciences (1984) and a Ph.D. (Dr. rer. nat.) at the Technical University of Clausthal, Germany (1992).

2. I have practiced my profession continuously since graduation. I have been involved in mineral exploration, property reviews and regional geology in Argentina, Canada, Chile, Colombia, Mexico, and Peru.

3. I have been a practising member of the Association of Professional Geoscientists of Ontario since 2021 (APGO Licence # 3523).

4. I was in the field and worked on prospecting in the Property from October 1st to October 7th and from October 20th and November 5th, 2022.

5. I am co-author of this report, "Work Report of the 2022 Prospection Program on the Burchell Project, Ontario."

6. I do not have any interest or securities of Bold Ventures Inc.

Dated at Timmins, Ontario, this 20th day of December 2022

Dr. Daniel G. Rubiolo

(Signed and sealed)

PROFESSIONAL GEOSCIENTIST
DR. D. G. RUBIOLO
PRACTISING MEMBER
3523
ONTARIO

I, Bruce A. MacLachlan P. Geo (Limited), residing at 222 Emerald St., Timmins, Ontario, do hereby certify that:

1) Bold Ventures Inc. currently contracts me as a consulting Geological Technician and Prospector.

2) I am a P. Geo (Limited)., registered in the province of Ontario (APGO No. 1025).

3) I have continuously practiced my profession as a Geological Technician and Prospector for over 39 years. I have prepared reports, conducted, supervised, and managed exploration programs for several major and junior mining companies, including Noranda Exploration Company Limited, CanAlaska Uranium Ltd., Noront Resources Ltd., Bold Ventures Inc., GoldON Resources Inc. Frontline Gold Corp., and others.

4) I am co-author of this report titled "Work Report of the 2022 Prospecting Program on the Burchell Project, Ontario".

Dated at Timmins, Ontario, this 20th day of December 2022.

"Bruce A. MacLachlan" P. Geo (Limited) APGO No. 1025
(Signed and sealed)

Bruce A. MacLachlan
2099840 Ontario Inc.
"Emerald Geological Services"

APPENDIX I

Rock Sample Description Table
(Table 1)

Table 1	Burchell 2022 Rock Sample Descriptions											
Sample	Easting	Northing	Elevation	Date	Claim	Sample Type	Source	Rock Type	Rock Code	Description	Comments	Assay Certificate No.
1104784	674670	5380512	445	Oct-01-2022	110342	Grab	Outcrop	Mafic Volcanic	MV	Mafic, fine grained layered amphibolite, 2%pyrite cubes (1-2mm) along bands. Rusty outcrop, reddish pyrite.	Sample 1104784. mafic, layered 2%py cubes (1-2mm) in bands. Reddish pyrite.	A22-14628
1104785	674643	5380539	448	Oct-01-2022	110342	Grab	Outcrop	Quartz	QTZ	Mafic Volcanic (MV), cherty brecciated fine grained layered amphibolite, with irregular blobs of pyrite crystals in irregular blobs up to 1cm. Layered outcrops steep dipping to south, azimuth 095deg/85 S.	Mafic Volcanic (MV), cherty brecciated fine grained layered amphibolite, with irregular blobs of pyrite crystals in irregular blobs up to 1cm. Layered outcrops steep dipping to south, azimuth 095deg/85 S.	A22-14628
1104786	674644	5380539	448	Oct-01-2022	110342	Grab	Outcrop	Quartz	QTZ	Cherty mafic-volcanic (amphibolite), rusty outcrop, cm-quartz veinlets with 3% pyrite	Cherty mafic-volcanic (amphibolite), rusty outcrop, cm-quartz veinlets with 3% pyrite.	A22-14628
1104787	675523	5380697	447	Oct-02-2022	188250	Grab	Outcrop	Quartz	QTZ	Ultramafic - mafic schist (amphibolite). Foliated (slightly sheared), rusty, blobs-lenses of calcite, pyrite traces 0.2% , mm-quartz veinlets. Foliation azimuth 095deg/vertical.	Chlorite schist, mafic to ultramafic volcanic. Lenses of calcite, pyrite 0.2% traces, mm-quartz veinlets. Foliation azimuth 095deg/90deg. Boulders of intermediate chlorite-sericite and felsic phyllite on the valley felsic boulders (phyllite).	A22-14628
1104788	675780	5380539	458	Oct-02-2022	303635	Grab	Float	Mafic Volcanic	MV	Quartz/Galena/Rusty/0.2%Pyrite	Felsic, fine-grained outcrop, aphanitic texture, porphyry falser-texture (quartz-Feldspar), with 1% disseminated mm-pyrite along foliation. azimuth 070deg/60deg S.	A22-14628
1104789	675774	5380536	460	Oct-02-2022	303635	Grab	Float	Felsic Volcanic	FV	Angular quartz boulder, rusty, 3%Pyrite/30cmX15cmX10cm (POI DR276)	In the area are angular white-quartz boulders up to 0.3m, brecciated, magnetite-veinlets with pyrite, chalcopyrite (galena, epidote), goethite. Host outcrop in the area is ultramafic, serpentinite, foliation azimuth 230deg. Area of low airborne-mag.	A22-14628
1104790	675775	5380531	461	Oct-02-2022	303635	Grab	Float	Felsic Volcanic	FV	Angular quartz boulder/it contains contact w/biotite rich lamprophyre/Rusty/0.1%Pyrite/50cmX40cm40cm		A22-14628
1104791	674344	5379548	469	Oct-03-2022	266703	Grab	Outcrop	Felsic Volcanic	FV	Mafic outcrop/ fine grained amphibolite/ sheared/Rusty/5%Pyrite, 3%Magnetite (ilmenite ?)	Amphibolite, azimuth 265deg/70deg N, pyrite cubes 0.5mm along foliation, magnetite-ilmenite? slightly sheared. Sample 1104791.	A22-14628
1104792	674494	5379290	462	Oct-03-2022	302586	Grab	Float	Felsic Volcanic	FV	Felsic/Cherty/Rusty/2%Py		A22-14628
1104793	674500	5379295	460	Oct-03-2022	302586	Grab	Outcrop	Mafic Volcanic	MV	Felsic/Cherty/Rusty/3%Py		A22-14628
1104794	674497	5379296	461	Oct-03-2022	302586	Grab	Outcrop	Quartz Feldspar Porphyry	QFP	Felsic/Cherty/Highly Carbonated/40%Py		A22-14628
1104795	674496	5379297	459	Oct-03-2022	302586	Grab	Outcrop	Mafic Volcanic	MV	Felsic/Chery/Rusty/5%Py		A22-14628
1104796	676196	5382150	451	Oct-04-2022	313301	Grab	Outcrop	Chert	CHE	Mafic/Layered/Rusty/2%Py		A22-14628
1104797	676175	5382145	454	Oct-04-2022	313301	Grab	Outcrop	Quartz Vein	QTZ	Quartz/Felspar/Porphyry/Rusty/1%Py	Quartz feldspar porphyry, 0.2m wide, porphyritic texture resemble as "lapilli tuff". It is Internalities in mafic layered amphibolite (Mafic volcanoclastic).	A22-14628
1104798	676174	5382145	454	Oct-04-2022	313301	Grab	Outcrop	Quartz Vein	QTZ	Mafic/Rusty/10%Py	Mafic layered amphibolite (Mafic volcanoclastic). It is Intercalated w/ lapilli tuff (quartz feldspar porphyry).	A22-14628
1104799	676174	5382135	455	Oct-04-2022	313301	Grab	Outcrop	Quartz Vein	QTZ	Cherty/Rusty/.2%Py		A22-14628
1104800	676172	5382137	445	Oct-04-2022	313301	Grab	Outcrop	Quartz Vein	QTZ	Quartz/Cherty/Rusty/1%Py	Shear contact (POI 300)	A22-14628
1104801	680365	5384028	474	Oct-06-2022	122305	Grab	Outcrop	Phyllite	PHY	Quartz Vein/Rusty/Mafic Contact/.2%Py	Ultramafic outcrop, fine grained, olivine, (on the way to copper soil anomaly), massive, cross cut by 0.05m quartz veinlets. White glassy quartz veinlets., py-cpy (green mal). Cpy 1mm is surrounded by a oxidation red-brown min (cuprite? chalcopyrite?) and malachite in sugary quartz. 3 thin quartz veinlets 0.05-0.1m, azimuth 220/70N. Quartz vein separated by 1m each other. Samples 1104801, 1104802, 1104803. Host rock mafic to ultramafic sheared amphibolite, strongly, foliation azimuth 310/85NE chloritization.	A22-14628
1104802	680366	5384028	474	Oct-06-2022	122305	Grab	Outcrop	Mafic Volcanic	MV	Quartz Vein/Rusty/Mafic Contact/Malachite/.1Cpy/.1%Py		A22-14628
1104803	680367	5384028	474	Oct-06-2022	122305	Grab	Outcrop	Quartz Vein	QTZ	Quartz Vein/Rusty/Mafic Contact/.1%Cpy/.1%Py		A22-14628
1104804	680390	5384025	477	Oct-06-2022	146046	Grab	Outcrop	Sericite Schist	SER-SCH	Sericite Schist/Quartz Veinlets/Rusty/5%Py	On Logging road. Sericite schist, quartz veinlet cm-mm (some reddish sulfide , niccolite?, epidote, quartz. (sample 1104804).	A22-14628

Sample	Easting	Northing	Elevation	Date	Claim	Sample Type	Source	Rock Type	Rock Code	Description	Comments	Assay Certificate No.
1104805	680395	5384016	477	Oct-06-2022	146046	Grab	Outcrop	Mafic Volcanic	MV	Mafic/Shear/Rusty/5%Py	On Logging road. Sheared, mafic schist. White quartz veinlets cm-dm 1104805.	A22-14628
1104808	677351	5382022	471	Oct-21-2022	291547	Grab	Outcrop	Mafic Volcanic	MV	Mafic/Rusty/Malachite/.1%Cpy/.2%Py	Sample 1104808 and 1104809. Pyroxenite (Websterite ?) Ultramafic, serpentinized, layering, disrupted by outcrop-creeping azimuth 300/40NE (also 040/40 SE) rusty soapstone, calcite veinlets, cpy traces, 0.2%py, 0.1% cpy. Brecciated, cemented by glassy, sugary quartz (calcite, barite?). In open spaces cpy, py in quartz (0.5%).	Not received yet
1104809	677468	5382095	474	Oct-21-2022	274453	Grab	Outcrop	Quartz Eye Porphyry	QEP	Mafic/Quartz/Rusty/Malachite/.1%Cpy/.1%Py		Not received yet
1104810	677473	5382253	474	Oct-21-2022	274453	Grab	Outcrop	Quartz Vein	QTZ	Mafic/Quartz/Rusty/1%Py		Not received yet
1104811	677396	5381239	454	Oct-22-2022	278785	Grab	Outcrop	Quartz Vein	QTZ	Mafic/Rusty/2%Py	Mafic tuff? approx. azimuth 220/80, not magnetic, disseminated. Py, layered, bedding, Sample 1104811.	Not received yet
1104812	677374	5381268	444	Oct-22-2022	278785	Grab	Sub Outcrop	Quartz Vein	QTZ	Quartz Eye Porphyry/Rusty/1%Py	Porphyry w/ blue quartz eyes. Sample 1104812. It seems tuffaceous felsic outcrop. Blue quartz eyes. Outcrop interlayered w/felsic volcanoclastic.	A22-16878
1104813	676539	5381094	447	Oct-22-2022	268797	Grab	Outcrop	Mafic Volcanic	MV	Quartz Vein/syenite contact/rusty/sheared/.1%Py	Syenite (hornblende), coarse grained, pink-green color, outcrop forms a cliff. quartz veinlets 0.05-0.1m pinch and swell, sheared varying to 0.5m. azimuth 250/85 NW. Sample 1104813 (py traces, gray quartz). Bobby took sample 1104814, 2m East from 1104813.	A22-16878
1104814	676540	5381096	447	Oct-22-2022	268797	Grab	Outcrop	Mafic Volcanic	MV	Quartz Vein/Syenite contact/rusty/.1%Py		A22-16878
1104815	676545	5381100	447	Oct-22-2022	268797	Grab	Outcrop	Felsic Volcanic	FV	Quartz Vein/rusty/.1%Py		A22-16878
1104816	676178	5382066	463	Oct-23-2022	313301	Grab	Outcrop	Quartz Vein	QTZ	Mafic/Felsic/Rusty/5%Py		Not received yet
1104817	676180	5382052	470	Oct-23-2022	313301	Grab	Loose in Trench	Quartz Vein	QTZ	Mafic/Rusty/60%Py	Loose in Trench. sample 1104817. inside trench, Brecciated pyrrhotite-pyrite-magnetite (60% sulfides), hematite. It seems trench was cutting E-W structure: felsic northern part, intermediate central part, mafic-BIF southern part and syenite at the south end.	Not received yet
1104818	677770	5381404	451	Oct-24-2022	193594	Grab	Outcrop	Felsic Volcanic	FV	Felsic/Rusty/1.5%	Felsic, fine grained outcrop, aphanitic texture, ghostly porphyritic texture (quartz-feldspar), w/ 1% disseminated mm-py along foliation. azimuth 070/60 S. Sample 1104818.	A22-16878
1104819	676034	5379385	468	Oct-25-2022	235163	Grab	Outcrop	Quartz Vein	QTZ	Quartz Vein/Felsic contacts/Rusty/.2%Py	Sample 1104819, hand sample.	A22-16878
1104820	676062	5379398	472	Oct-25-2022	235163	Grab	Outcrop	Quartz Vein	QTZ	Quartz Vein/Felsic contacts/Rusty/.2%Py		A22-16878
1104822	676071	5379394	474	Oct-25-2022	235163	Grab	Outcrop	Felsic Volcanic	FV	Quartz Vein/Felsic contacts/Rusty/.2%Py		A22-16878
1104823	676074	5379393	473	Oct-25-2022	235163	Grab	Outcrop	Quartz Vein	QTZ	Quartz Vein/Felsic contacts/Rusty/.2%Py		A22-16878
1104824	676044	5379415	477	Oct-25-2022	235163	Grab	Outcrop	Quartz Vein	QTZ	Quartz Vein/Felsic contacts/Rusty/1%Py	Quartz veinlet, rusty, in brecciated fine grained felsic outcrop. Angular clasts 0.1m-0.2m, matrix supported. Py traces (1%), hematite, mm-flaky muscovite, quartz veinlet azimuth 335deg, 0.1m-0.2m wide.	A22-16878
1104825	675749	5379721	460	Oct-26-2022	247806	Grab	Float	Felsic Volcanic	FV	Felsic/Rusty/20%Py	2mX1mX1m boulder. Mafic interlayered w/felsic outcrop. 20% pyrite concentrated along a veneer-layer 1-2cm.	A22-16878
1104826	675783	5379737	458	Oct-26-2022	247806	Grab	Outcrop	Felsic Volcanic	FV	Quartz Vein/Felsic contacts/Rusty/.2%Py	White quartz vein 0.05-0.1m, py-cpy traces in felsic fine grained outcrop, azimuth 320/70N. Sample 1104826	A22-16878
1104827	677157	5380287	459	Oct-26-2022	278786	Grab	Outcrop	Quartz Vein	QTZ	Quartz Vein/Felsic contacts/Rusty/.5%Py	White-quartz veinlet 0.05-0.1m, py-cpy traces in felsic fine-grained foliated outcrop, azimuth 320deg/70deg N.	A22-16878
1104828	675148	5380656	441	Oct-27-2022	200452	Grab	Outcrop	Mafic Volcanic	MV	Felsic/Rusty/1%Py	Felsic outcrop, rhyolite in contact to mafic-intermediate outcrop. azimuth 075deg/85deg S. Non-magnetic, strong silicified, sugary texture, 0.5cm K-Feldspars, mm-py cubes.	A22-16878
1104829	675086	5380540	450	Oct-27-2022	273180	Grab	Outcrop	Quartz Vein	QTZ	Felsic/Quartz/Rusty/.1%Py	Fine-grained felsic sericite-phyllite, quartz-flooding, azimuth 240deg/vertical.	A22-16878
1104830	678298	5377625	517	Oct-28-2022	539096	Grab	Outcrop	Mafic Volcanic	MV	Quartz Vein/Mafic contacts/Rusty/.1%Py	Rusty white quartz veinlet 0.2-0.1m azimuth 045deg, pinch and swell in gabbro foliation azimuth 100deg/vertical.	A22-16878

Sample	Easting	Northing	Elevation	Date	Claim	Sample Type	Source	Rock Type	Rock Code	Description	Comments	Assay Certificate No.
1104831	678322	5377827	512	Oct-28-2022	539096	Grab	Outcrop	Mafic Volcanic	MV	Mafic/Rusty/Mica/Blue & Red Staining/.2%Py	Banded Iron Formation, azimuth 260deg/80deg N in contact w/ gabbro, sulfide, Zn-oxide (?)	Not received yet
1104832	680516	5382525	460	Oct-29-2022	221891	Grab	Outcrop	Mafic Volcanic	MV	Quartz in mafic/Rusty/.2%Py		A22-16878
1104833	680516	5382524	460	Oct-29-2022	221891	Grab	Outcrop	Mafic Volcanic	MV	Mafic/Sericite schist/Rusty/.2%Py		Not received yet
1104835	674437	5379286	459	Oct-30-2022	302586	Grab	Outcrop	Felsic Volcanic	FV	Mafic/Rusty/5%Py	Mafic-intermediate outcrop (massive micro gabbro? Foliation 090deg), Pyrite, epidote or olivine?	Not received yet
1104836	674416	5379325	470	Oct-30-2022	302586	Grab	Trench Dig Pile	Felsic Volcanic	FV	Mafic/Rusty/1%Py	Sample 1104836 . Intermediate-mafic outcrop fine grained, layered, strong silicified, disseminated py and stringers, mm. In pile beside trench.	Not received yet
1104837	674422	5379307	460	Oct-30-2022	302586	Grab	Trench Dig Pile	Felsic Volcanic	FV	Mafic/Quartz vein/Rusty/5%Py	Sample 1104837 quartz veinlet w/ py in mafic layered outcrop	Not received yet
1104838	676351	5380619	441	Oct-31-2022	166061	Grab	Outcrop	Felsic Volcanic	FV	Felsic/Rusty/2%Py	Phyllite, felsic, sericite-(chlorite) schist, sheared, azimuth 230deg/85deg N.	A22-16878
1104839	676349	5380619	441	Oct-31-2022	166061	Grab	Outcrop	Felsic Volcanic	FV	Felsic/Rusty/2%Py	Phyllite, felsic, sericite-(chlorite) schist, sheared, azimuth 230deg/85deg N.	A22-16878
1104840	676344	5380620	437	Oct-31-2022	166061	Grab	Outcrop	Felsic Volcanic	FV	Felsic/Sericite/rusty/1%Py	Rusty outcrop sericite-schist, phyllite (POI_DR_413).	A22-16878
1104841	676330	5380560	453	Oct-31-2022	166061	Grab	Outcrop	Quartz Vein	QTZ	Felsic/Rusty/5%Py	Azimuth 065deg/70deg S.	A22-16878
1104842	676328	5380560	452	Oct-31-2022	166061	Grab	Outcrop	Mafic Volcanic	MV	Felsic/Rusty/5%Py	Azimuth 065deg/70deg S.	A22-16878
1104843	676324	5380541	461	Oct-31-2022	166061	Grab	Outcrop	Syenite	SYE	Felsic/Rusty/2%Py/.1%Cpy	Rhyolite, silicified, disseminated py, brecciated, azimuth 068/70S. Sample 1104843, blue quartz eyes. 0.5cm porphyroblasts, silicified, brecciated, 2%py (cpy, bornite traces 0.1%).	A22-16878
1104844	679763	5381023	483	Nov-01-2022	539129	Grab	Outcrop	Syenite	SYE	Quartz Vein/Mafic contacts/Rusty	Quartz blob in mafic outcrop near contact to felsic Rhyolite. Barren white quartz, extensional sigmoidal vein. Pinch & swell, 1 m wide white quartz. Sample 1104844.	A22-16878
1104845	679802	5381162	493	Nov-01-2022	539129	Grab	Outcrop	Quartz Vein	QTZ	Mafic/Rusty/3%Py	Outcrop outside property. Interlayered felsic (tuff?) and mafic layered outcrop (amphibolite), azimuth 038. (small angular boulder with mineralization similar as sample 1104845 mafic with py-po).	Not received yet
1104846	681407	5381366	475	Nov-02-2022	539137	Grab	Outcrop	Mafic Volcanic	MV	Syenite/Quartz/Rusty/10%Py		A22-16878
1104847	681397	5381364	478	Nov-02-2022	539137	Grab	Outcrop	Mafic Volcanic	MV	Syenite/Quartz/Rusty/3%Py		A22-16878
1104848	680725	5381556	492	Nov-02-2022	539135	Grab	Float	Quartz Vein	QTZ	Quartz Boulder/Malachite/Rusty/Cpy5%/Py3%	Rounded- subrounded/60cmX30cmX30cm. White cloudy quartz-float in glacio-fluvial till. Cpy (malachite), py, cuprite.	A22-16878
1104849	676009	5378155	489	Nov-03-2022	181284	Grab	Outcrop	Mafic Volcanic	MV	Mafic/Felsic/Rusty/.2%Py	Felsic outcrop, rusty limonite (pyrite traces) foliation azimuth 065deg. Layers are partially brecciated, cemented with MnO, Fe-oxide, sulfides. Sample 1104849 (5m W). Quartz-veinlets, azimuth 260deg/30deg N.	A22-16878
1104850	675492	5378032	479	Nov-03-2022	226984	Grab	Outcrop	Felsic Volcanic	FV	Mafic/Quartz/Rusty/.2%Py	Mafic layered outcrop (gabbro, amphibolite), foliation azimuth 060deg/vertical. Cm-quartz-pods, 0.2% pyrite, Fe-oxides, magnetite.	A22-16878
416009	680264	5381483	474	Nov-04-2022	539134	Grab	Float	Quartz	QTZ	Angular quartz float	Angular float (0.1x0.2m) of brecciated layered mafic outcrop, magnetite rich, silicified, with quartz veining and pyrite-limonite. Two rusty angular boulders 5m apart each other.	Not received yet
416010	680261	5381482	474	Nov-04-2022	539134	Grab	Float	Felsic Volcanic	FV	Felsic/Quartz/Rusty/.5%Py	Angular boulder of brecciated felsic-cherty outcrop with quartz veining, pyrite, goethite	A22-16878
416011	678607	5379733	473	Nov-05-2022	539115	Grab	Outcrop	Quartz Vein	QTZ	Quartz Vein/Felsic contact/Rusty	White-quartz veinlet cm-dm-sigmoidal-pods-vein, azimuth 130deg, rusty, goethite. Host outcrop is an intermediate, fine-medium-grained equigranular outcrop.	A22-16878
416012	677977	5379425	467	Nov-05-2022	539113	Grab	Outcrop	Quartz Vein	QTZ	Quartz Vein/Mafic contacts/Rusty/.1%Py	Quartz in brecciated mafic-felsic contact, py-cubes, actinolite, quartz-sugary texture (near POI_DR_471 on road).	A22-16878
1104821						STD				OREAS 243		Not received yet
1104806						STD				OREAS 200		A22-14628
1104807						BLANK				CDN-BL-10	BLANK	A22-14628
1104834						BLANK				CDN-BL-10	BLANK	A22-16878
416008						STD				OREAS 231	STANDARD OREAS 231	A22-16878
416013						OREAS 231				OREAS 231	STANDARD OREAS 231	Not received yet
416014						BLANK				BLANK (pebbles)	BLANK	Not received yet

APPENDIX II

Rock Sample Assay Certificates
(ActLabs)

Quality Analysis ... **Innovative Technologies**

Report No.:	**A22-14628**
Report Date:	**18-Nov-22**
Date Submitted:	**11-Oct-22**
Your Reference:	**Burch**

Emerald Geological Services
222 Emerald St
Timmins ON P4R 1N3
Canada

ATTN: Bruce MacLachlan

CERTIFICATE OF ANALYSIS

24 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-10-21 12:28:11
1F2-Tbay	QOP Total (Total Digestion ICPOES)	2022-11-17 09:10:31

REPORT **A22-14628**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

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.

SCC Accredited LAB
LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Rob Hoffman
Region Manager

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Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
A1104784	25	1.2	6.39	31	153	< 1	2	3.18	1.5	73	32	377	13.6	18	0.91	2.94	19	2740	< 1	0.75	31	0.076	< 3
A1104785	59	< 0.3	7.49	7	114	< 1	< 2	5.03	0.4	40	67	125	9.08	19	0.51	2.57	25	2230	< 1	2.04	66	0.048	< 3
A1104786	12	< 0.3	6.62	10	107	< 1	< 2	5.01	0.5	31	63	150	8.38	16	0.38	2.68	12	2330	< 1	2.32	69	0.042	< 3
A1104787	< 5	< 0.3	4.29	4	54	< 1	< 2	8.14	< 0.3	45	1440	25	6.29	9	0.14	6.31	47	1680	< 1	0.53	335	0.043	< 3
A1104788	36	5.2	0.24	< 3	286	< 1	80	0.63	0.4	5	85	141	1.37	2	0.12	0.36	2	287	< 1	0.09	36	0.002	214
A1104789	285	12.0	0.72	5	197	2	422	1.79	0.5	53	554	1160	5.92	7	0.75	1.50	52	1140	< 1	0.03	345	0.046	306
A1104790	11	0.8	0.28	< 3	727	1	2	3.26	0.3	8	90	37	1.61	3	0.36	2.17	30	744	< 1	0.02	88	0.003	50
A1104791	28	1.7	4.75	13	65	< 1	2	0.53	0.5	44	17	428	18.1	12	0.40	2.86	25	839	< 1	0.02	84	0.033	< 3
A1104792	4750	12.9	4.19	100	282	< 1	< 2	0.04	0.4	8	18	96	3.29	9	1.84	0.28	10	110	48	0.10	6	0.011	139
A1104793	618	1.9	8.04	92	200	< 1	< 2	1.71	0.5	55	100	312	5.39	20	2.63	1.47	28	477	2	0.11	51	0.071	38
A1104794	777	7.6	2.76	55	24	< 1	< 2	0.72	< 0.3	106	31	803	12.4	11	0.31	1.67	7	571	< 1	0.02	35	0.103	15
A1104795	622	2.4	6.75	88	182	< 1	< 2	0.26	< 0.3	23	34	70	4.20	18	3.33	0.46	19	126	6	0.10	13	0.055	25
A1104796	17	0.5	6.21	3	203	< 1	< 2	5.62	0.6	42	13	123	10.2	22	1.13	2.51	10	1660	16	2.73	52	0.084	< 3
A1104797	7	0.3	8.06	< 3	677	< 1	< 2	1.93	0.4	9	31	153	2.69	21	1.06	0.97	24	410	3	3.28	16	0.058	7
A1104798	20	0.7	5.28	8	69	< 1	< 2	3.29	4.0	24	23	571	7.00	20	0.97	1.40	45	665	49	2.68	24	0.084	42
A1104799	41	0.4	6.50	< 3	203	< 1	< 2	1.42	< 0.3	19	35	254	1.40	16	1.33	0.26	11	184	16	2.79	10	0.052	7
A1104800	46	2.0	2.21	< 3	106	< 1	< 2	0.25	< 0.3	37	32	1150	5.61	8	0.83	0.23	8	212	18	0.25	39	0.021	< 3
A1104801	51	< 0.3	2.08	3	17	< 1	< 2	1.08	< 0.3	16	150	183	2.09	3	0.05	1.56	7	475	15	0.46	97	0.006	< 3
A1104802	12	< 0.3	2.80	3	10	< 1	< 2	3.48	< 0.3	20	147	129	2.59	6	0.03	2.06	9	582	5	0.41	126	0.005	5
A1104803	213	3.0	1.77	5	18	< 1	< 2	1.39	< 0.3	14	115	951	1.89	4	0.02	1.10	5	574	66	0.26	80	0.006	< 3
A1104804	92	< 0.3	5.51	< 3	256	< 1	< 2	5.24	< 0.3	18	80	69	4.03	11	1.42	2.42	4	979	< 1	2.27	48	0.052	< 3
A1104805	10	< 0.3	5.65	3	71	< 1	2	4.69	0.3	51	165	92	9.26	12	0.29	3.98	27	878	< 1	1.77	160	0.037	< 3
A1104806	340	< 0.3	7.20	113	329	1	< 2	5.58	< 0.3	38	186	111	8.30	18	0.86	3.71	9	1400	< 1	2.13	128	0.127	< 3
A1104807	< 5	< 0.3	5.85	4	795	< 1	< 2	1.62	< 0.3	4	26	20	2.58	13	1.26	0.51	3	732	7	3.13	13	0.038	< 3

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
A1104784	< 5	3.91	42	216	4	0.49	< 5	< 10	167	6	37	467	37
A1104785	< 5	1.09	43	249	5	0.34	< 5	< 10	151	< 5	30	155	18
A1104786	< 5	0.63	39	232	11	0.34	< 5	< 10	176	< 5	29	163	26
A1104787	< 5	0.17	26	205	10	0.26	< 5	< 10	167	< 5	9	97	36
A1104788	< 5	0.39	< 4	62	4	0.02	< 5	< 10	17	6	1	50	< 5
A1104789	< 5	1.91	13	121	124	0.12	< 5	< 10	124	6	20	210	55
A1104790	< 5	0.06	< 4	281	< 2	0.03	< 5	< 10	28	< 5	12	89	14
A1104791	< 5	6.17	29	24	8	0.46	6	< 10	216	11	19	105	45
A1104792	< 5	1.49	< 4	21	6	0.08	< 5	< 10	58	9	2	89	53
A1104793	< 5	2.16	15	84	< 2	0.34	5	< 10	112	12	12	174	97
A1104794	< 5	6.86	5	33	4	0.15	< 5	< 10	56	< 5	7	197	46
A1104795	< 5	3.29	7	34	< 2	0.20	< 5	< 10	69	13	5	37	64
A1104796	< 5	1.93	41	235	4	0.41	< 5	< 10	123	< 5	45	156	11
A1104797	< 5	0.70	5	681	< 2	0.20	< 5	< 10	52	< 5	5	104	78
A1104798	< 5	4.16	9	263	5	0.31	9	< 10	122	5	5	383	65
A1104799	< 5	0.66	9	195	< 2	0.27	< 5	< 10	74	5	16	22	121
A1104800	< 5	3.24	< 4	15	8	0.09	< 5	< 10	33	< 5	6	34	59
A1104801	< 5	0.05	6	54	< 2	0.07	< 5	< 10	43	< 5	2	32	5
A1104802	< 5	0.03	7	108	< 2	0.09	< 5	< 10	57	< 5	3	33	6
A1104803	< 5	0.03	< 4	77	4	0.05	< 5	< 10	40	< 5	2	21	< 5
A1104804	< 5	1.39	11	288	< 2	0.19	< 5	< 10	81	8	7	37	48
A1104805	< 5	5.15	31	110	8	0.50	< 5	< 10	227	< 5	16	92	42
A1104806	< 5	0.24	18	385	< 2	0.19	< 5	< 10	70	< 5	20	102	41
A1104807	< 5	0.05	5	183	< 2	0.20	< 5	< 10	36	< 5	13	41	63

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas				3						147	235	337	9.23								6600		
Oreas 72a (4 Acid) Cert				14.7						157	228	316	9.63								6930.000		
OREAS 98 (4 Acid) Meas		42.6					54			119		> 10000											267
OREAS 98 (4 Acid) Cert		45.1					97.2			121		148000.0											345
OREAS 98 (4 Acid) Meas		42.1					99			116		> 10000											271
OREAS 98 (4 Acid) Cert		45.1					97.2			121		148000.0											345
OREAS 98 (4 Acid) Meas		41.1					31			121		> 10000											287
OREAS 98 (4 Acid) Cert		45.1					97.2			121		148000.0											345
OREAS 904 (4 Acid) Meas		0.7	6.23	90	197	9	5	0.05		92	58	6000	6.54	16	2.67	0.57	15	430	3	0.04	47	0.095	15
OREAS 904 (4 Acid) Cert		0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6
OREAS 904 (4 Acid) Meas		0.9	6.46	90	214	9	< 2	0.05		95	67	6300	6.69	17	1.92	0.60	16	453	1	0.03	50	0.098	6
OREAS 904 (4 Acid) Cert		0.551	6.30	98.0	194	7.86	4.05	0.0460		83.0	54.0	6120	6.68	16.7	3.31	0.556	16.7	410	2.12	0.0340	40.1	0.0980	10.6
SBC-1 Meas				24	797	3	< 2		0.5	22	92	31		27			159		1		82		28
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0		27.0			163		2		83		35.0
SBC-1 Meas				23	793	3	< 2		< 0.3	22	92	31		27			170		2		81		28
SBC-1 Cert				25.7	788.0	3.20	0.70		0.40	22.7	109	31.0		27.0			163		2		83		35.0
OREAS 96 (4 Acid) Meas		11.3					48			49		> 10000											85
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 96 (4 Acid) Meas		11.9					25			52		> 10000											86
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 96 (4 Acid) Meas		11.4					16			51		> 10000											87
OREAS 96 (4 Acid) Cert		11.5					26.3			49.9		39300											101
OREAS 923 (4 Acid) Meas		1.9	7.29	6	453	2	8	0.50	0.4	24	82	4270	6.52	20	2.51	1.78	30	984	< 1	0.33	38	0.064	74
OREAS 923 (4 Acid) Cert		1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0
OREAS 923 (4 Acid) Meas		1.7	7.35	7	447	2	24	0.51	0.4	23	84	4400	6.38	20	2.40	1.77	31	1030	< 1	0.31	36	0.066	79
OREAS 923 (4 Acid) Cert		1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0
OREAS 923 (4 Acid) Meas		4.0	7.36	9	446	2	18	0.50	0.4	23	83	4460	6.39	22	2.29	1.77	32	1020	< 1	0.32	39	0.065	81
OREAS 923 (4 Acid) Cert		1.60	7.29	7.61	434	2.42	21.4	0.473	0.420	23.1	71.0	4230	6.43	20.3	2.51	1.69	31.4	950	0.930	0.324	35.8	0.0630	83.0
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	526																						

Analyte Symbol	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	Mg	Li	Mn	Mo	Na	Ni	P	Pb
Unit Symbol	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppm	%	ppm
Lower Limit	5	0.3	0.01	3	7	1	2	0.01	0.3	1	1	1	0.01	1	0.01	0.01	1	1	1	0.01	1	0.001	3
Method Code	FA-AA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas E1336 (Fire Assay) Cert	510.000																						
OREAS 247 (4 Acid) Meas		2.5	6.25	3190	569	2	< 2	0.94	< 0.3	13	97	44	3.35	17	2.05	1.31	31	388	< 1	0.50	51	0.045	34
OREAS 247 (4 Acid) Cert		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9
OREAS 247 (4 Acid) Meas		2.6	6.18	3320	579	2	< 2	0.90	< 0.3	13	94	42	3.27	16	2.17	1.28	31	382	< 1	0.47	48	0.048	30
OREAS 247 (4 Acid) Cert		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9
OREAS 247 (4 Acid) Meas		2.5	6.16	3120	523	2	< 2	0.91	< 0.3	13	99	43	3.27	18	1.45	1.29	32	393	< 1	0.47	49	0.045	31
OREAS 247 (4 Acid) Cert		2.16	6.08	3510	550	2.23	0.580	0.826	0.0650	12.0	97.0	42.2	3.32	16.3	2.45	1.22	31.8	360	1.76	0.499	45.9	0.0480	31.9
OREAS 620 (4 Acid) Meas		41.4	5.75	37	80	2	3	1.82	167	14	21	1800	3.01	25	1.67	0.31	19	458	8	1.90	17	0.033	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2500	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
OREAS 620 (4 Acid) Meas		40.9	7.02	38	198	2	4	1.85	167	14	23	1760	3.03	25	1.57	0.36	19	431	9	1.87	16	0.036	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2490	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
OREAS 620 (4 Acid) Meas		40.4	6.98	56	173	2	5	1.75	170	13	25	1740	2.96	24	1.66	0.36	20	421	9	1.89	17	0.037	> 5000
OREAS 620 (4 Acid) Cert		38.5	6.72	50	2490	2	2	1.60	163	12	22	1730	2.94	24	2.63	0.34	20	440	9	1.94	15	0.035	7740
A1104787 Orig		< 0.3	4.24	4	53	< 1	< 2	8.16	< 0.3	46	1410	29	6.22	9	0.14	6.28	47	1680	< 1	0.53	336	0.043	< 3
A1104787 Dup		< 0.3	4.33	5	54	< 1	< 2	8.11	< 0.3	45	1470	22	6.36	9	0.14	6.34	48	1680	< 1	0.53	335	0.043	< 3
A1104792 Orig	4670																						
A1104792 Dup	4820																						
A1104802 Orig	13																						
A1104802 Dup	11																						
A1104805 Orig	10	< 0.3	5.65	3	71	< 1	2	4.69	0.3	51	165	92	9.26	12	0.29	3.98	27	878	< 1	1.77	160	0.037	< 3
A1104805 Split PREP DUP	10	0.3	5.83	8	52	< 1	< 2	4.78	0.4	50	152	91	9.27	12	0.28	3.94	27	875	< 1	1.77	159	0.036	4
A1104806 Orig		< 0.3	7.23	111	329	1	< 2	5.59	< 0.3	38	190	112	8.33	19	0.86	3.72	9	1400	< 1	2.13	129	0.127	< 3
A1104806 Dup		< 0.3	7.17	114	329	1	< 2	5.57	< 0.3	38	182	111	8.28	17	0.86	3.69	9	1390	< 1	2.14	128	0.128	< 3
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	9	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	8	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	6	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	4	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1		< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3
Method Blank		< 0.3	< 0.01	< 3	< 7	< 1	< 2	< 0.01	< 0.3	< 1	5	< 1	< 0.01	< 1	< 0.01	< 0.01	< 1		< 1	< 0.01	< 1	< 0.001	< 3

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas 72a (4 Acid) Meas		1.86											
Oreas 72a (4 Acid) Cert		1.74											
OREAS 98 (4 Acid) Meas	< 5	16.4										1310	
OREAS 98 (4 Acid) Cert	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas	< 5	16.3										1280	
OREAS 98 (4 Acid) Cert	20.1	15.5										1360	
OREAS 98 (4 Acid) Meas	9	15.7										1300	
OREAS 98 (4 Acid) Cert	20.1	15.5										1360	
OREAS 904 (4 Acid) Meas	< 5	0.07	11	30			< 5	< 10	86	< 5	33	30	92
OREAS 904 (4 Acid) Cert	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
OREAS 904 (4 Acid) Meas	< 5	0.06	12	28			< 5	< 10	72	< 5	34	29	72
OREAS 904 (4 Acid) Cert	1.48	0.0630	11.2	27.2			0.520	8.43	76.0	2.12	31.5	26.3	171
SBC-1 Meas	< 5		19	183		0.48	< 5	< 10	214	< 5	31	189	111
SBC-1 Cert	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0
SBC-1 Meas	6		20	181		0.48	< 5	< 10	220	< 5	32	189	118
SBC-1 Cert	1.01		20.0	178.0		0.51	0.89	5.76	220.0	1.60	36.5	186	134.0
OREAS 96 (4 Acid) Meas	< 5	4.37										449	
OREAS 96 (4 Acid) Cert	5.09	4.19										457	
OREAS 96 (4 Acid) Meas	< 5	4.52										475	
OREAS 96 (4 Acid) Cert	5.09	4.19										457	
OREAS 96 (4 Acid) Meas	< 5	4.50										458	
OREAS 96 (4 Acid) Cert	5.09	4.19										457	
OREAS 923 (4 Acid) Meas	< 5	0.72	13	46		0.41	< 5	< 10	98	8	26	363	127
OREAS 923 (4 Acid) Cert	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	< 5	0.75	13	45		0.40	< 5	< 10	97	9	27	362	132
OREAS 923 (4 Acid) Cert	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 923 (4 Acid) Meas	< 5	0.76	13	44		0.41	< 5	< 10	97	9	27	369	131
OREAS 923 (4 Acid) Cert	1.29	0.691	13.1	43.0		0.405	0.860	3.06	91.0	4.85	26.4	345	116
OREAS 238 (Fire Assay) Meas													
OREAS 238 (Fire Assay) Cert													
Oreas E1336 (Fire Assay) Meas													

Analyte Symbol	Sb	S	Sc	Sr	Te	Ti	Tl	U	V	W	Y	Zn	Zr
Unit Symbol	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.01	4	1	2	0.01	5	10	2	5	1	1	5
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
Oreas E1336 (Fire Assay) Cert													
OREAS 247 (4 Acid) Meas	260	0.75	12	103		0.35	< 5	< 10	71	< 5	19	93	121
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125
OREAS 247 (4 Acid) Meas	347	0.76	12	99		0.36	< 5	< 10	69	< 5	19	90	124
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125
OREAS 247 (4 Acid) Meas	371	0.75	12	102		0.35	< 5	< 10	69	< 5	18	89	129
OREAS 247 (4 Acid) Cert	3300	0.714	11.4	96.0		0.390	0.800	2.53	82.0	7.88	13.1	86.0	125
OREAS 620 (4 Acid) Meas	11	2.61	5	111		0.16	6	< 10	24	< 5	11	> 10000	199
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202
OREAS 620 (4 Acid) Meas	33	2.63	5	128		0.16	< 5	< 10	25	< 5	14	> 10000	205
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202
OREAS 620 (4 Acid) Meas	23	2.65	6	122		0.16	< 5	< 10	23	< 5	14	> 10000	215
OREAS 620 (4 Acid) Cert	76	2.47	5	131		0.14	2	4	21	2	12	31500	202
A1104787 Orig	< 5	0.17	26	204	5	0.26	< 5	< 10	166	< 5	9	96	36
A1104787 Dup	< 5	0.17	26	206	15	0.26	< 5	< 10	168	< 5	9	97	37
A1104792 Orig													
A1104792 Dup													
A1104802 Orig													
A1104802 Dup													
A1104805 Orig	< 5	5.15	31	110	8	0.50	< 5	< 10	227	< 5	16	92	42
A1104805 Split PREP DUP	< 5	5.09	32	111	9	0.50	< 5	< 10	226	< 5	16	90	43
A1104806 Orig	< 5	0.24	18	386	< 2	0.22	< 5	< 10	71	< 5	20	102	48
A1104806 Dup	< 5	0.25	18	384	6	0.15	< 5	< 10	69	< 5	20	102	33
Method Blank													
Method Blank													
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	6	< 5
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	1	< 5
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	1	< 5
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5
Method Blank	< 5	< 0.01	< 4	< 1	< 2	< 0.01	< 5	< 10	< 2	< 5	< 1	< 1	< 5

Quality Analysis ... *Innovative Technologies*

Report No.:	**A22-16878-Au Rush**
Report Date:	**14-Dec-22**
Date Submitted:	**14-Nov-22**
Your Reference:	**Burch**

Emerald Geological Services
222 Emerald St
Timmins ON P4R 1N3
Canada

ATTN: Bruce MacLachlan

CERTIFICATE OF ANALYSIS

50 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Tbay	QOP AA-Au (Au - Fire Assay AA)	2022-12-06 09:37:00
1A3-50-Tbay	QOP AA-Au (Au - Fire Assay Gravimetric)	2022-12-09 12:12:08

REPORT **A22-16878-Au Rush**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

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

SCC Accredited LAB
LAB Accrédité CCN TM

LabID: 673

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

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

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
A1104812	8	
A1104813	11	
A1104814	18	
A1104815	8	
A1104818	15	
A1104819	7	
A1104820	7	
A1104821	> 5000	12.9
A1104822	7	
A1104823	8	
A1104824	8	
A1104825	69	
A1104826	10	
A1104827	11	
A1104828	14	
A1104829	10	
A1104830	10	
A1104832	15	
A1104834	< 5	
A1104838	19	
A1104839	20	
A1104840	17	
A1104841	21	
A1104842	29	
A1104843	54	
A1104844	12	
A1104846	17	
A1104847	18	
A1104848	45	
A1104849	17	
A1104850	12	
B416008	555	
B416010	13	
B416011	9	
B416012	9	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA-GRA
OREAS 229b (Fire Assay) Meas		12.4
OREAS 229b (Fire Assay) Cert		11.95
OREAS 238 (Fire Assay) Meas	3020	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3080	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	3070	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 257b (Fire Assay) Meas		14.6
OREAS 257b (Fire Assay) Cert		14.220
Oreas E1336 (Fire Assay) Meas	512	
Oreas E1336 (Fire Assay) Cert	510.000	
Oreas E1336 (Fire Assay) Meas	530	
Oreas E1336 (Fire Assay) Cert	510.000	
Oreas E1336 (Fire Assay) Meas	528	
Oreas E1336 (Fire Assay) Cert	510.000	
Oreas E1336 (Fire Assay) Meas	518	
Oreas E1336 (Fire Assay) Cert	510.000	
OREAS L15 Meas	> 5000	
OREAS L15 Cert	7180	
A1104822 Orig	7	
A1104822 Dup	8	
A1104832 Orig	15	
A1104832 Dup	15	
A1104841 Orig	22	
A1104841 Dup	21	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.02
Method Blank		< 0.02

APPENDIX III

Lab Analytical Descriptions

Sample Preparation Packages

To obtain meaningful analytical results, it is imperative that sample collection and preparation be done properly. Actlabs can advise on sampling protocol for your field program if requested. Once the samples arrive in the laboratory, Actlabs will ensure that they are prepared properly. As a routine practice with rock and core, the entire sample is crushed to a nominal -2 mm, mechanically split to obtain a representative sample and then pulverized to at least 95% -105 microns (µm). All of our steel mills are now mild steel and do not introduce Cr or Ni contamination. Quality of crushing and pulverization is routinely checked as part of our quality assurance program. Samples submitted in an unorganized fashion will be subject to a sorting surcharge and may substantially slow turnaround time. Providing an accurate detailed sample list by e-mail will also aid in improving turnaround time and for Quality Control purposes.

Rock, Core and Drill Cuttings

Code RX1	Crush (< 7 kg) up to 80% passing 2 mm, riffle split (250 g) and pulverize (mild steel) to 95% passing 105 µm included cleaner sand	$11.75
Code RX1-ORE	Crush up to 90% passing 2 mm	add $2.10
Code RX1+500	500 grams pulverized	add $1.25
Code RX1+800	800 grams pulverized	add $2.25
Code RX1+1000	1000 grams pulverized	add $2.75
Code RX1-SD	Crush (< 7 kg) up to 80% passing 2 mm, rotary split (250 g) and pulverized (mild steel) to 95% passing 105µm	$10.75
Code RX1-SD-ORE	Crush up to 90% passing 2 mm	add $2.10
Code RX3	Oversize charge per kilogram for crushing	$1.25
Code RX4	Pulverization only (mild steel) (coarse pulp or crushed rock) (< 800 g)	$7.50
Code RX5	Pulverize ceramic (100 g)	$18.75
Code RX6	Hand pulverize small samples (agate mortar & pestle) (<5g)	$18.75
Code RX7	Crush and split (< 5 kg)	$5.50
Code RX8	Sample prep only surcharge, no analyses	$4.75
Code RX9	Compositing (per composite) dry weight	$2.75
Code RX10	Weight (kg) as received	$2.25
Code RX11	Checking quality of pulps or rejects prepared by other labs and issuing report	$10.00
Code RX12	Ball Mill preparation	on request
Code RX13	Rod Mill preparation	on request
Code RX14	Core cutting	on request
Code RX15	Special Preparation/Hour	$68.25
Code RX16	Specific Gravity on Core	$14.00
Code RX16-W	Specific Gravity (WAX) on friable samples	$18.00
Code RX17	Specific Gravity on the pulp	$17.00
Code RX17-GP	Specific Gravity on the pulp by gas pycnometer	$18.00

Note: Larger sample sizes than listed above can be pulverized at additional cost.

Our Sample Preparation pricing is all-inclusive including: sorting, drying, labeling, new reject bags, using cleaner sand between each sample and crushing samples up to 7 kg (for RX1 and RX1-SD).


Riffle Splitting

Soils, Stream and Lake Bottom Sediments, and Heavy Minerals

Code S1	Drying (60ºC) and sieving (-177 µm) save all portions	$4.25
Code S1 DIS	Drying (60ºC) and sieving (-177 µm), discard oversize	$3.75
Code S1-230	Drying (60ºC) and sieving (-63 µm), save oversize	$5.75
Code S1-230 DIS	Drying (60ºC) and sieving (-63 µm), discard oversize	$5.25
Code S2	Lake bottom sediment preparation crush & sieve (-177 µm)	$9.00
Code S3	Alternate size fractions and bracket sieving, add	$2.75
Code S4	Selective Extractions or SGH drying (40ºC) & sieving (-177 µm)	$4.25
Code S5	Wet or damp samples submitted in plastic bags, add	$2.10
Code S6	Separating -2 micron material	$28.25
Code S7mi	Methylene iodide heavy mineral separation specific gravity can be customized (100 grams)	$73.75
Code S7w	Sodium polytungstate heavy mineral separation specific gravity can be customized (100 grams)	$73.75
Code S8	Sieve analysis (4 sieve sizes) coarser than 53 µm	$40.00
Code S9	Particle size analysis (laser)	$102.00


Sample Pulverizers

Gold and Silver Analyses

Gold and Silver Analyses - Geochem

Code	Method	Sample Weight (g)	Metric Range	Price
1A1	Au Fire Assay - INAA	30	1 - 20,000 ppb	$20.50
1A2	Au Fire Assay - AA	30	5 - 5,000 ppb	$17.00
1A2B-30	Au Fire Assay - AA	30	5 - 10,000 ppb	$17.50
1A2-50	Au Fire Assay - AA	50	5 - 5,000 ppb	$19.50
1A2B-50	Au Fire Assay - AA	50	5 - 10,000 ppb	$20.00
1A2-ICP	Au Fire Assay - ICP-OES	30	2 - 30,000 ppb	$18.00
1A2-ICP-50	Au Fire Assay - ICP-OES	50	2 - 30,000 ppb	$20.25
1A2-ICPMS	Au Fire Assay - ICP-MS	30	0.5 - 30,000 ppb	$26.25
1A6	Au BLEG - ICP-MS	1,000	0.1 - 10,000 ppb	$40.00
1A6-50	Au Cyanide Extraction - ICP-MS	50	0.02 - 1,000 ppb	$15.00
	Ag or Cu add-on, for each additional, add			$5.00
1A8	Au Aqua Regia - ICP-MS	30	0.2 - 2,000 ppb	$18.00
1E-Ag	Ag Aqua Regia - ICP-OES	0.5	0.2 - 100 ppm	$6.75

Gold and Silver Analyses - Assay

Code	Method	Sample Weight (g)	Metric Range	Price
1A3-30	Au Fire Assay - Gravimetric	30	0.03 - 10,000 g/T	$22.75
1A3-50	Au Fire Assay - Gravimetric	50	0.02 - 10,000 g/T	$24.00
1A3-Ag (Au,Ag)	Au, Ag Fire Assay - Gravimetric	30	0.03 - 10,000 g/T (Au) 3 - 10,000 g/T (Ag)	$26.25
1A4 *	Au Fire Assay - Metallic Screen	500	0.03 g/T	$79.50
1A4-1000 *	Au Fire Assay - Metallic Screen	1,000	0.03 g/T	$90.75
8-Ag	Ag Fire Assay - Gravimetric	30	3 - 10,000 g/T	$25.50

When submitting samples for Au and Ag analysis, or Au, Pt Pd and Rh analysis, please try to ensure you send two-times the listed weight.

Gold, Platinum, Palladium and Rhodium

Code	Method	Sample Weight (g)	Range (ppb)				Price
			Au	Pt	Pd	Rh	
1C-Exploration	Fire Assay - ICP-MS	30	2 - 30,000	1 - 30,000	1 - 30,000		$22.75
1C-EXP 2	Fire Assay - ICP-MS	30	1 - 30,000	0.5 - 30,000	0.5 - 30,000		$25.00
1C-research	Fire Assay - ICP-MS	30	1 - 30,000	0.1 - 30,000	0.1 - 30,000		$36.25
1C-Rhodium	Fire Assay - ICP-MS	30	-	-	-	5 - 10,000	$34.25
1C-OES	Fire Assay - ICP-OES	30	2 - 30,000	5 - 30,000	5 - 30,000		$20.75
8 Au Pt Pd	Fire Assay - ICP-OES	30	0.001 - 1000 g/T	0.001 - 1000 g/T	0.001 - 1000 g/T		$51.25

Platinum Group Elements

Code	Method	Sample Weight (g)	Range (ppb)							Price
			Os	Ir	Ru	Rh	Pt	Pd	Au	
1B1	NiS Fire Assay - INAA	25	2	0.1	5	0.2	5 †	2	0.5	1-2 samples $363.25 3+ samples $181.75
1B2	NiS Fire Assay - ICP-MS	50	-	1	1	1	1	1	1	1-2 samples $363.25 3+ samples $181.75

Organic Sample Surcharge - $1.25/sample for Fire Assay packages

Notes:

Use of 50 gram sample for fire assay may not provide optimum recovery.

For proper fire assay fusion, Actlabs may reduce the sample weights to 15 g or smaller at its discretion.

* A representative 500 gram or 1000 gram (or customized) sample split is sieved at 149μm, with assays performed on the entire +149 μm fraction and two splits of the -149 μm fraction. It is important not to overpulverize the sample too finely; as tests have shown gold will plate out on the mill and be lost. When assays have been completed on the coarse and fine portions of the bulk sample, a final assay is calculated based on the weight of each fraction.

† Detection limits for Pt are increased with high Au/Pt ratios and limits for other elements will be affected by abnormally high Au, Sb and Cu content.

Samples with high Au can be reanalyzed by Code 1C exploration or research. Zn concentrates are not amenable to the nickel sulphide fire assay. Au results by Code 1B1 or 1B2 can be low by nickel sulphide fire assay. For accurate Au values, please request Code 1C-exploration.

4-Acid "Near Total" Digestion

This acid attack is the most vigorous digestion used in geochemistry. It will employ hydrochloric, nitric, perchloric and hydrofluoric acids. Even with this digestion, certain minerals (barite, gahnite, chromite, cassiterite, etc.) may only be partially dissolved or stable in solution. Other minerals including zircon, sphene and magnetite may not be totally dissolved. Most other silicates will be dissolved, however some elements will be erratically volatilized, including As, Sb, Cr, U and Au.

Near-Total digestion **cannot** be used to obtain accurate determinations of REE, Ta, Nb, As, Sb, Sn, Hg, Cr, Au and U.

Note: Results from acid digestions may be lab dependent or lab operator dependent. Actlabs has automated this aspect of digestion using a microprocessor designed hotbox to accurately reproduce digestion conditions every time.

Hg add-on by cold vapour FIMS	
Code 1G (5 ppb)	add $10.25

Assays

Package	Code 8 - 4 Acid ICP-OES	Code 8 - 4 Acid ICP-MS
Ag	3 ppm	1 - 10,000 ppm
Bi	-	0.0001 - 1 %
Cd	0.003 %	0.0001 - 1 %
Co	0.003 %	0.0001 - 1 %
Cu	0.001 %	0.0001 - 1 %
Li	0.001 %	-
Mo	0.003 %	0.0001 - 1 %
Ni	0.003 %	0.0001 - 1 %
Pb	0.003 %	0.0001 - 1 %
Se	-	0.0001 - 1 %
Sn	-	0.0001 - 1 %
Tl	-	0.0001 - 1 %
U	-	0.0001 - 1 %
Zn	0.001 %	0.0001 - 1 %
One Element	**$14.75**	**$17.00**
Each Additional Element	**$2.25**	**$2.25**
All Elements	**$20.50**	**$22.75**

	ICP-OES	ICP-MS		ICP-OES + ICP-MS	
Package	**1F2**	**UT-4M**	**Ultratrace 4**	**Ultratrace 6**	**UT-6M**
Ag	0.3 - 100 ppm	0.1 - 100 ppm	0.05 - 100 ppm	0.05 - 100 ppm	0.01 - 100 ppm
Al	0.01 - 50 %	0.01 - 20 %	0.01 - 10 %	0.01 - 10 %	0.01 - 50 %
As	3 - 5,000 ppm	1 - 10,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.2 - 10,000 ppm
B	-	-	20 - 6,000 ppm	-	-
Ba	7 - 1,000 ppm	1 - 10,000 ppm	1 - 5,000 ppm	1 - 5,000 ppm	10 - 10,000 ppm
Be	1 - 10,000 ppm	1 - 1,000 ppm	0.1 - 1,000 ppm	0.1 - 1,000 ppm	0.05 - 1,000 ppm
Bi	2 - 10,000 ppm	0.1 - 4,000 ppm	0.02 - 2,000 ppm	0.02 - 2,000 ppm	0.01 - 10,000 ppm
Ca	0.01 - 70 %	0.01 - 40 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Cd	0.3 - 2,000 ppm	0.1 - 4,000 ppm	0.1 - 1,000 ppm	0.1 - 1,000 ppm	0.02 - 1,000 ppm
Ce	-	1 - 2,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.01 - 500 ppm
Co	1 - 10,000 ppm	0.2 - 4,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.1 - 10,000 ppm
Cr	1 - 10,000 ppm	1 - 10,000 ppm	1 - 5,000 ppm	1 - 5,000 ppm	1 - 10,000 ppm
Cs	-	0.1 - 10,000 ppm	0.05 - 100 ppm	0.05 - 100 ppm	0.05 - 500 ppm
Cu	1 - 10,000 ppm	0.1 - 10,000 ppm	0.2 - 10,000 ppm	0.2 - 10,000 ppm	0.2 - 10,000 ppm
Dy	-	-	0.1 - 5000 ppm	0.1 - 5,000 ppm	-
Er	-	-	0.1 - 1,000 ppm	0.1 - 1,000 ppm	-
Eu	-	-	0.05 - 100 ppm	0.05 - 100 ppm	-
Fe	0.01 - 50 %	0.01 - 60 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Ga	1 - 10,000 ppm	-	0.1 - 500 ppm	0.1 - 500 ppm	0.05 - 10,000 ppm
Gd	-	-	0.1 - 5,000 ppm	0.1 - 5,000 ppm	-
Ge	-	-	0.1 - 500 ppm	0.1 - 500 ppm	0.05 - 500 ppm
Hf	-	0.1 - 1,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.1 - 500 ppm
Hg	1	-	10 - 10,000 ppb	10 - 10,000 ppb	-
Ho	-	-	0.1 - 1,000 ppm	0.1 - 1,000 ppm	-
In	-	-	0.1 - 100 ppm	0.1 - 100 ppm	0.005 - 500 ppm
K	0.01 - 10 %	0.01 - 10 %	0.01 - 5 %	0.01 - 5 %	0.01 - 10 %
La	-	0.1 - 2,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.5 - 10,000 ppm
Li	1 - 10,000 ppm	0.1 - 2,000 ppm	0.5 - 400 ppm	0.5 - 400 ppm	0.2 - 10,000 ppm
Lu	-	-	0.1 - 100 ppm	0.1 - 100 ppm	-
Mg	0.01 - 50 %	0.01 - 30 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Mn	1 - 100,000 ppm	1 - 10,000 ppm	1 - 10,000 ppm	1 - 10,000 ppm	5 - 100,000 ppm
Mo	1 - 10,000 ppm	0.1 - 4,000 ppm	0.05 - 10,000 ppm	0.1 - 10,000 ppm	0.05 - 10,000 ppm
Na	0.01 - 10 %	0.001 - 10 %	0.01 - 3 %	0.01 - 3 %	0.01 - 10 %
Nb	-	0.1 - 2,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.1 - 500 ppm
Nd	-	-	0.1 - 10,000 ppm	0.1 - 10,000 ppm	-
Ni	1 - 10,000 ppm	0.1 - 10,000 ppm	0.5 - 5,000 ppm	0.5 - 5,000 ppm	0.2 - 10,000 ppm
P	0.001 - 10 %	0.001 - 5 %	-	0.001 - 10 %	10 - 10,000 ppm
Pb	3 - 5,000 ppm	0.1 - 5,000 ppm	0.5 - 5,000 ppm	0.5 - 5,000 ppm	0.5 - 10,000 ppm
Pr	-	-	0.1 - 5,000 ppm	0.1 - 1,000 ppm	-
Rb	-	0.1 - 2,000 ppm	0.2 - 500 ppm	0.2 - 5,000 ppm	0.1 - 10,000 pm
Re	-	-	0.001 - 100 ppm	0.001 - 100 ppm	0.002 - 50 ppm
S +	0.01 - 20 %	1 - 10 %	-	0.01 - 20 %	0.01 - 10 %
Sb	5 - 10,000 ppm	0.1 - 4,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.05 - 10,000 ppm
Sc	4 - 10,000 ppm	1 - 200 ppm	-	1 - 5,000 ppm	0.1 - 10,000 ppm
Se	-	-	0.1 - 1,000 ppm	0.1 - 1,000 ppm	1 - 1,000 ppm
Sm	-	-	0.1 - 100 ppm	0.1 - 100 ppm	-
Sn	-	0.1 - 2,000 ppm	1 - 200 ppm	1- 200 ppm	0.2 - 500 ppm
Sr	1 - 10,000 ppm	1 - 10,000 ppm	0.2 - 10,000 ppm	0.2 - 1,000 ppm	0.2 - 10,000 ppm
Ta	-	0.1 - 2,000 ppm	0.1 - 1,000 ppm	0.1 - 1,000 ppm	0.05 - 100 ppm
Tb	-	-	0.1 - 100 ppm	0.1 - 100 ppm	-
Te	2 -10,000 ppm	-	0.1 - 500 ppm	0.1 - 500 ppm	0.05 - 500 ppm
Th	-	0.1 - 4,000 ppm	0.1 - 500 ppm	0.1 - 500 ppm	0.2 - 10,000 ppm
Ti	0.01 - 10 %	0.001 - 10 %	-	0.0005 - 10 %	0.005 - 10 %
Tl	5 - 10,000 ppm	0.05 - 10,000 ppm	0.05 - 500 ppm	0.05 - 500 ppm	0.02 - 10,000 ppm
Tm	-	-	0.1 -1,000 ppm	0.1 - 1,000 ppm	-
U	10 - 10,000 ppm	0.1 - 4,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm
V	2 - 10,000 ppm	4 - 10,000 ppm	1 - 10,000 ppm	1 - 1,000 ppm	1 - 10,000 ppm
W	5 - 10,000 ppm	0.1 - 200 ppm	0.1 - 200 ppm	0.1 - 200 ppm	0.1 - 10,000 ppm
Y	1 - 1,000 ppm	0.1 - 2,000 ppm	0.1 - 10,000 ppm	0.1 - 10,000 ppm	0.1 - 500 ppm
Yb	-	-	0.1 - 5,000 ppm	0.1 - 5,000 ppm	-
Zn	1 - 10,000 ppm	1 - 10,000 ppm	0.2 - 10,000 ppm	0.2 - 10,000 ppm	2 - 10,000 ppm
Zr	5 - 10,000 ppm	0.1 - 2,000 ppm	1 - 5,000 ppm	1 - 5,000 ppm	0.5 - 500 ppm
Price:	**$17.00**	**$21.25**	**$24.00**	**$35.00**	**$28.50**

Extraction of each element by 4-Acid Digestion is dependent on mineralogy

+ Sulphide sulphur and soluble sulphates are extracted

APPENDIX IV
(POI)
Point of Interest
(Table 2)

Burchell Property Point of Interest Table 2								
POI_#	Date	UTM Zone	Easting	Northing	Elevation	Description	Photo(s)	Photo Number
255	01-Oct	NAD 83/Zne 15	676694	5380913	452	Quad track blocked by fallen tree	yes	POI_DR_255_W
256	01-Oct	NAD 83/Zne 15	676534	5380851	448	Beaver pond, road flooded.	yes	POI_DR_256_WSW
257	01-Oct	NAD 83/Zne 15	676475	5380837	447	Beaver dam, road flooded	yes	POI_DR_257_ESE
258	01-Oct	NAD 83/Zne 15	676354	5380845	449	Overgrown old logging road to north direction	yes	POI_DR_258_N
260	01-Oct	NAD 83/Zne 15	674669	5380516	442	Mafic, fine grained layered amphibolite, 2%pyrite cubes (1-2mm) along bands. Reddish pyrite (Sample **1104784**)		
261	01-Oct	NAD 83/Zne 15	674640	5380499	444	Amphibolite, coarse grained, hand specimen is not magnetic (outcrop located on area with geophysical high mag), no sulfides, layered, azimuth 036deg/70-80deg SE. Near this location is referred historic sample 13258D 5,829ppb Au (File 52B10SE8114).		
262	01-Oct	NAD 83/Zne 15	674646	5380533	444	Mafic Volcanic (MV), cherty brecciaed fine grained layered amphibolite, with irregular blobs of pyrite crystals in irregular blobs up to 1cm (Sample 114785). Cherty mafic-volcanic (amphibolite), cm-quartz veinlets with pyrite traces (114786). Layered rocks steep dipping to south, azimuth 095deg/85 S.	yes	POI_DR_262_SE
263	01-Oct	NAD 83/Zne 15	674687	5380463	439	Old cutting line azimuth 155deg-160deg		
264	01-Oct	NAD 83/Zne 15	674747	5380383	450	Felsic, quartz-sericite schist, phyllite (light green-jade color). Strongly foliated, azimuth 275deg/85N (phyllonite)	yes	POI_DR_264_SE
265	01-Oct	NAD 83/Zne 15	674870	5380110	474	Ultramafic fine grained outcrop, chorite mafic and serpentinite, foliation azimuth 090deg/80deg S		
266	01-Oct	NAD 83/Zne 15	675080	5380293	464	Massive ultramafic rock outcrop, chorite mafic and serpentinite		
271	02-Oct	NAD 83/Zne 15	675536	5380690	449	Cliff, outcrop mafic tuff, disseminated pyrite cubes (millimetre). From South to North: Felsic rocks are on top of hill; mafic recessive rocks at the bottom of hills.		
272	02-Oct	NAD 83/Zne 15	675526	5380699	431	Mafic- Ultramafic chlorite schist, fine grained amphibolite (volcanic?, sample **1104787**). Lenses of calcite, pyrite 0.2% traces, millimetre quartz veinlets. Foliation azimuth 095deg/90deg. Boulders of intermediate chlorite-sericite and felsic phyllite on the valley felsic boulders (phyllite).		
273	02-Oct	NAD 83/Zne 15	675791	5380661	445	Mafic chlorite-schist, absent pyrite, strongly foliated, azimuth 080/vert. Near swamp (it could not locate historic sample as 11007A Cu-Au. (File 52B10SE8114)		
274	02-Oct	NAD 83/Zne 15	675842	5380676	448	Mafic chlorite schist, ultramafic serpentinite, foliation azimuth 260deg/85deg N.		
275	02-Oct	NAD 83/Zne 15	675821	5380632	454	Mafic volcanic schist, with traces of disseminated millimetre-pyrite cubes. Not sampled.		
276	02-Oct	NAD 83/Zne 15	675775	5380534	465	Ultramafic, serpentinite, foliation azimuth 230deg. Area of low airborne mag. Angular white quartz boulders up to 0.3m, brecciaed, magnetite-veinlets with pyrite, chalcopyrite (galena, epidote), goethite (Sample **1104789)**. On the quartz boulder can see, host rock syenite and lamprophyre rock.		
277	02-Oct	NAD 83/Zne 15	675707	5380543	452	Felsic, quartz-sericite schist, foliated, azimuth 230deg/vertical, with trace pyrite.		
278	03-Oct	NAD 83/Zne 15	674791	5380068	466	Outcrop, rusty rock on road.		
279	03-Oct	NAD 83/Zne 15	674548	5379947	468	Felsic, phyllite, sericite-tuff?, outcrop. Extensional Riedel fractures, as result of sinistral transpression. Strike-slip deformation oblique to foliation.	yes	POI_DR_279_W
280	03-Oct	NAD 83/Zne 15	674447	5379880	453	Rounded boulder 0.3m, silicified felsic-tuff (cherty, recrystalized), banded, magnetite-pyrite rich, hard honey color mineral (sphalerite?). Boulder is same type of rock as in POI-DR-279 (outcrop). It was collected REP DR-280.		

POI_#	Date	UTM Zone	Easting	Northing	Elevation	Description	Photo(s)	Photo Number
281	03-Oct	NAD 83/Zne 15	674382	5379839	470	Intermediate to mafic rock, subangular boulder, traces of pyrite-pyrrhotite-magnetite		
282	03-Oct	NAD 83/Zne 15	674279	5379699	485	Felsic, sericite schist, phyllite, with trace pyrite, magnetite low.		
283	03-Oct	NAD 83/Zne 15	674290	5379672	485	Mafic, chlorite-schist, massive, weak banded-foliation w/azimuth 240deg/vertical. Magnetite high.		
284	03-Oct	NAD 83/Zne 15	674329	5379582	485	Massive amphibolite, magnetite rich (pyrite-pyrrhotite). Low air-mag.		
285	03-Oct	NAD 83/Zne 15	674345	5379546	479	Amphibolite, azimuth 265deg/70deg N, pyrite cubes 0.5mm along foliation, magnetite-ilmenite? slightly sheared. Sample **1104791**	yes	POI_DR_285_SW
286	03-Oct	NAD 83/Zne 15	674340	5379504	477	Gabbro (amphibolite), medium grained, subophitic texture (lath-shaped euhedral plagioclase in an irregular mesh, with surrounding crystals of pyroxene totally converted into amphibole).		
287	03-Oct	NAD 83/Zne 15	674367	5379433	465	Old drill pad, clear cut area 20x20metre, alder overgrown. Front picket azimuth 330deg. Road access azimuth 125deg. Probable collar location BU08-26, no-casing.	yes	POI_DR_287_NW
288	03-Oct	NAD 83/Zne 15	674440	5379376	464	Old pink flag tape written: ST13-14528. Line cut approximately azimuth 240deg-260deg		
289	03-Oct	NAD 83/Zne 15	674477	5379340	462	Old trench, overgrown (view to West)	yes	POI_DR_289_W
290	03-Oct	NAD 83/Zne 15	674515	5379322	461	Outcrop, chert (tuff?) interlayered with magnetite rich layers of banded iron formation (BIF), cm-bedding up to 0.5m thick. Disseminate pyrite-traces in fine grained felsic cherty strong silicified rock.	yes	POI_DR_290_N
291	03-Oct	NAD 83/Zne 15	674494	5379291	460	Felsic, fine grained, strong silicified cherty rock, foliation azimuth 265deg/70deg NW. Disseminated pyrite in chert- BIF up to 2cm-blebs of pyrite. Trench continues over 60m, azimuth 155deg.	yes	POI_DR_291_SSE
292	03-Oct	NAD 83/Zne 15	674462	5379334	461	Claim tag post. View of trench to W.	yes	POI_DR_292_W

APPENDIX V

List of Mining Cell-Claims (Table 3)

Burchell List of Mining Cells-Claims Table 3					
TENURE_NUM	PROPERTY	TITLE_TY_1	ISSUE_DATE	ANNIVERSARY	HOLDER
334123	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
334124	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
539162	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539154	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539100	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539117	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539128	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539137	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
100031	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
103771	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
107945	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-07	(100) JOHN EDWARD TERNOWESKY
110286	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
110342	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
111058	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
111073	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
111074	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
110972	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
110973	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
108402	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
122305	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
122306	Burchell	Single Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
123302	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
123303	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
124984	Burchell	Single Cell Mining Claim	2018-04-10	2022-08-29	(100) JOHN EDWARD TERNOWESKY
124985	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
124987	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
128064	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
130337	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
135312	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
135591	Burchell	Single Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
136894	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
136945	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
136946	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
141476	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
141477	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
139172	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
140122	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
140445	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
141151	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
141152	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
145081	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
146046	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
141717	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
146488	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
146395	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
157103	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
155409	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
155410	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
158676	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
158067	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
158068	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
160606	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
161795	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
162593	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
166061	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
166062	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
167832	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
170817	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
170818	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
173670	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
176277	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
180239	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
182099	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
181284	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
187131	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
187323	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
188248	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
188249	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
188250	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
539093	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539092	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539094	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539095	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539096	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY

TENURE_NUM	PROPERTY	TITLE_TY_1	ISSUE_DATE	ANNIVERSARY	HOLDER
539097	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539098	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539099	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
187691	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
187692	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
187693	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
187694	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
189049	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
193063	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
193594	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
539109	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539110	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539111	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539112	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539113	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539114	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539115	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539116	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
193682	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
539101	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539102	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539103	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539104	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539105	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539108	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539106	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539107	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
194519	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
195145	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
195146	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
539118	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539119	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539120	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539121	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539122	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539123	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539124	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539125	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539126	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539127	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
200400	Burchell	Single Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
201740	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
200452	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
539132	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539129	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539130	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539131	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539133	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539134	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539135	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539136	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539139	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539138	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539140	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539141	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539146	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539147	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539148	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539150	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539149	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539151	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539152	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539153	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
205952	Burchell	Single Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
210361	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-08-29	(100) JOHN EDWARD TERNOWESKY
539155	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539156	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539157	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539158	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539159	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539160	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539161	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
208569	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
212537	Burchell	Single Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
210739	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY

TENURE_NUM	PROPERTY	TITLE_TY_1	ISSUE_DATE	ANNIVERSARY	HOLDER
212328	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
213126	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
539163	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539164	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539165	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539166	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
539167	Burchell	Single Cell Mining Claim	2019-01-14	2022-01-14	(100) JOHN EDWARD TERNOWESKY
221891	Burchell	Single Cell Mining Claim	2018-04-10	2022-01-11	(100) JOHN EDWARD TERNOWESKY
220124	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
226082	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
229400	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
229401	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
226984	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
226985	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
226986	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
235163	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
239119	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
240280	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
241684	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
242239	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
242240	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
242241	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
240555	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
241792	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
244864	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
245172	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
247806	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
245676	Burchell	Single Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
245677	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
249744	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
250625	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
249771	Burchell	Single Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
250246	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
253933	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
258741	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
259910	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
259823	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
265239	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
265240	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
261348	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
261824	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
267056	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
268518	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
266496	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
266497	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
266703	Burchell	Single Cell Mining Claim	2018-04-10	2022-08-29	(100) JOHN EDWARD TERNOWESKY
266704	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
267297	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
268796	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
268797	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
274452	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
274453	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
273180	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
273181	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
274125	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-08-29	(100) JOHN EDWARD TERNOWESKY
274126	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
277217	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
277218	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
277884	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
275900	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
276494	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
278785	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
278786	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
286264	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
288458	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
292199	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
292250	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
291546	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
291547	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
292718	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
297384	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
302586	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
302587	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
302588	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
302589	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY

TENURE_NUM	PROPERTY	TITLE_TY_1	ISSUE_DATE	ANNIVERSARY	HOLDER
303634	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
303635	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
306536	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
306537	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
306538	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
307045	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
307046	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
311780	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
309634	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
311636	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
315819	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
315820	Burchell	Single Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
315821	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
316324	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
313301	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
313908	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
315804	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-06	(100) JOHN EDWARD TERNOWESKY
323380	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
320685	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-07-15	(100) JOHN EDWARD TERNOWESKY
319173	Burchell	Single Cell Mining Claim	2018-04-10	2022-03-05	(100) JOHN EDWARD TERNOWESKY
327077	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
327078	Burchell	Single Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
335201	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
343761	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
343762	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
343763	Burchell	Single Cell Mining Claim	2018-04-10	2021-12-28	(100) JOHN EDWARD TERNOWESKY
342430	Burchell	Boundary Cell Mining Claim	2018-04-10	2022-10-16	(100) JOHN EDWARD TERNOWESKY
342769	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
331680	Burchell	Single Cell Mining Claim	2018-04-10	2022-11-11	(100) JOHN EDWARD TERNOWESKY
635745	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635746	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635747	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635748	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635749	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635750	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635751	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635752	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635753	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635754	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635755	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY
635756	Burchell	Single Cell Mining Claim	2021-02-09	2023-02-09	(100) JOHN EDWARD TERNOWESKY

APPENDIX VI

Statement of Expenditures
and
Expenditures per Claim
(Table 4)

Appendix VI

STATEMENT of EXPENDITURES

The following is a breakdown of expenditures related to the 2022 field program on the Burchell Property.

Labour:

Preparation, field work, travel

Labour	$ 33,650.00

Prepare maps etc.

Drafting & digitizing	$ 2,464.00

Report Writing

Report Writing	$ 5,950.00

Associated Costs:

Meals & Groceries	$ 2,249.07
Field Supplies	$ 183.01
Ground Transportation (5746km x $0.55/km)	$ 3,160.30
Cabin Rental	$ 2,971.50
ATV Gas	$ 96.92
ATV Rental	$ 300.00

Analytical Costs:

Act Labs (67 rock-grab samples)	$ 2,453.50

TOTAL EXPENDITURES	**$ 53,478.30**

Table 4	Expenditures per Cell	
Cell No.	Rock Grab Samples Collected per Cell	Expenditure per Cell
110342	3	$ 2,395.00
122305	3	$ 2,395.00
146046	2	$ 1,596.00
166061	6	$ 4,789.00
181284	1	$ 798.00
188250	1	$ 798.00
193594	1	$ 798.00
200452	1	$ 798.00
221891	2	$ 1,596.00
226984	1	$ 798.00
235163	5	$ 3,991.00
247806	2	$ 1,596.00
266703	1	$ 798.00
268797	3	$ 2,395.00
273180	1	$ 798.00
274453	2	$ 1,596.00
278785	2	$ 1,596.00
278786	1	$ 798.00
291547	1	$ 798.00
302586	7	$ 5,591.00
303635	3	$ 2,395.00
313301	7	$ 5,587.00
539096	2	$ 1,596.00
539113	1	$ 798.00
539115	1	$ 798.00
539129	2	$ 1,596.00
539134	2	$ 1,596.00
539135	1	$ 798.00
539137	2	$ 1,596.00
Total	**67**	**$ 53,478.00**

APPENDIX VII

Daily Log

(Table 5)

	Table 5 Daily Log Burchell Project June - November 2022							
Date	**D. Rubiolo days**	**Activities**		**Frederick Lowndes days**	**Activities**		**B. MacLachlan days**	**Activities**
May-07-2022							1	Checking access to Burchell property
May-08-2022							0.5	Checking access to Burchell property
Sept-30-2022	1	Travel to Kashabowie.		1	Travel to Kashabowie.			
Oct-01-2022	1	Prospecting west of the main road.		1	Prospecting west of the main road.			
Oct-02-2022	1	Prospecting west of the main road.		1	Prospecting west of the main road.			
Oct-03-2022	1	Prospecting in the Hermia Cu area.		1	Prospecting in the Hermia Cu area.			
Oct-04-2022	1	Prospecting the northeastern corner of the Copper Trend.		1	Prospecting the northeastern corner of the Copper Trend.			
Oct-05-2022	1	Prospected the copper trend.		1	Prospected the copper trend.			
Oct-06-2022	1	Rain day		1	Rain day			
Oct-07-2022	1	Travel		1	Travel			
Oct-21-2022	1	Prospecting north of Hermia Road.		1	Prospecting north of Hermia Road.			
Oct-22-2022	1	Prospecting north of Thrice Road.		1	Prospecting north of Thrice Road.			
Oct-23-2022	1	Prospecting north of Hermia Road.		1	Prospecting north of Hermia Road.			
Oct-24-2022	1	Prospected area near Burchell Road.		1	Prospected area near Burchell Road.			
Oct-25-2022	1	Prospected west of the Burchell Road.		1	Prospected west of the Burchell Road.			
Oct-26-2022	1	Prospected west of the Burchell Road & south of Thrice Road.		1	Prospected west of the Burchell Road & south of Thrice Road.			
Oct-27-2022	1	Prospected south of Hermia Road.		1	Prospected south of Hermia Road.			
Oct-28-2022	1	Prospected the Cu Showing in the southeast.		1	Prospected the Cu Showing in the southeast.			
Oct-29-2022	1	Prospected Cu Showing in the northeast.		1	Prospected Cu Showing in the northeast.			
Oct-30-2022	1	Prospected well west of Burchell Road.		1	Prospected well west of Burchell Road.			
Oct-31-2022	1	Prospected area south of Thrice Road.		1	Prospected area south of Thrice Road.			
Nov-01-2022	1	Prospected south of Grouse Road.		1	Prospected south of Grouse Road.			
Nov-02-2022	1	Prospected near Grouse Road to the east.		1	Prospected near Grouse Road to the east.			
Nov-03-2022	1	Prospecting in the southwest portion of the property.		1	Prospecting in the southwest portion of the property.			
Nov-04-2022	1	Prospected near Grouse Road.		1	Prospected near Grouse Road.			
Nov-05-2022	1	Prospected WSW-ENE between Burchell Road and Squeers Creek		1	Prospected WSW-ENE between Burchell Road and Squeers Creek			
Total Days	**24**			**24**			**1.5**	

APPENDIX VIII

Map Sheets

Legend
Grab sample location
Points of interest
Traverses for October 1/2022
Traverses for October 2/2022
Traverses for October 3/2022
Traverses for October 25/2022
Traverses for October 26/2022
Traverses for October 27/2022
Traverses for October 28/2022
Traverses for October 30/2022
Traverses for October 31/2022
Traverses for November 3/2022
Traverserses for November 5/2022
Truck travel (various dates)
Secondary and tertiary roads
Burchell Gold Copper Project claims
BURCHELL LAKE AREA TWP
Hermia Lake
Waverly Lake
Church Lake
key map
Burchell Gold-Copper Project
map extent
Meters
BOLD VENTURES INC.
Burchell Gold-Copper Project
Prospecting Map 1
Date: December, 2022
By: EGS
Projection: NAD 1983 UTM Zone 15N


N
Legend
Grab sample location
Points of interest
Traverses for October 1/2022
Traverses for October 2/2022
Traverses for October 3/2022
Traverses for October 4/2022
Traverses for October 5/2022
Traverses for October 21/2022
Traverses for October 22/2022
Traverses for October 23/2022
Traverses for October 24/2022
Traverses for October 27/2022
Traverses for October 31/2022
Truck travel (various dates)
Quad travel (various dates)
Secondary and tertiary roads
Burchell Gold Copper Project claims
key map
Burchell Gold-Copper Project
MOSS TWP
BURCHELL LAKE AREA TWP
map extent
Burchell Lake
BURCHELL LAKE AREA TWP
Hermia Lake
Squeers Creek
Traverses for October 23/2022
Traverses for October 4/2022
Traverses for October 21/2022
Traverses for October 5/2022
Traverses for October 24/2022
Traverses for October 22/2022
Traverses for October 27/2022
Traverses for October 1/2022
Traverses for October 31/2022
Traverses for October 2/2022
Traverses for October 3/2022
0 300 600
Meters
Topographic base source:
© Queen's Printer for Ontario, 2022
BOLD VENTURES INC.
Burchell Gold-Copper Project
Prospecting Map 2
Date: December, 2022 burchell_prospecting_map2
By: EGS Projection: NAD 1983 UTM Zone 15N

Legend
Grab sample location
Points of interest
Traverses for October 6/2022
Traverses for October 29/2022
Traverses for November 1/2022
Traverses for November 2/2022
Traverses for November 4/2022
Truck travel (various dates)
Secondary and tertiary roads
Burchell Gold Copper Project claims
Burchell Gold-Copper Project
key map
map extent
Skimpole Lake
Upper Shebandowan Lake
Firefly Creek
Firefly Lake
Squeers Creek
Traverses for October 6/2022
Traverses for November 4/2022
Traverses for October 29/2022
Traverses for November 1/2022
Traverses for November 2/2022
BOLD VENTURES INC.
Burchell Gold-Copper Project
Prospecting Map 3
Date: December, 2022
burchell_prospecting_map3
By: EGS
Projection: NAD 1983 UTM Zone 15N

APPENDIX IX

PHOTOS

Sample B416009: Angular float (0.1x0.2m) of brecciaed layered mafic rock, magnetite rich, silicified, with quartz veining and pyrite-limonite, (rusty, 3% pyrite). Two rusty angular boulders were found 5m apart each other. Burchell property, hand sample, view to N.

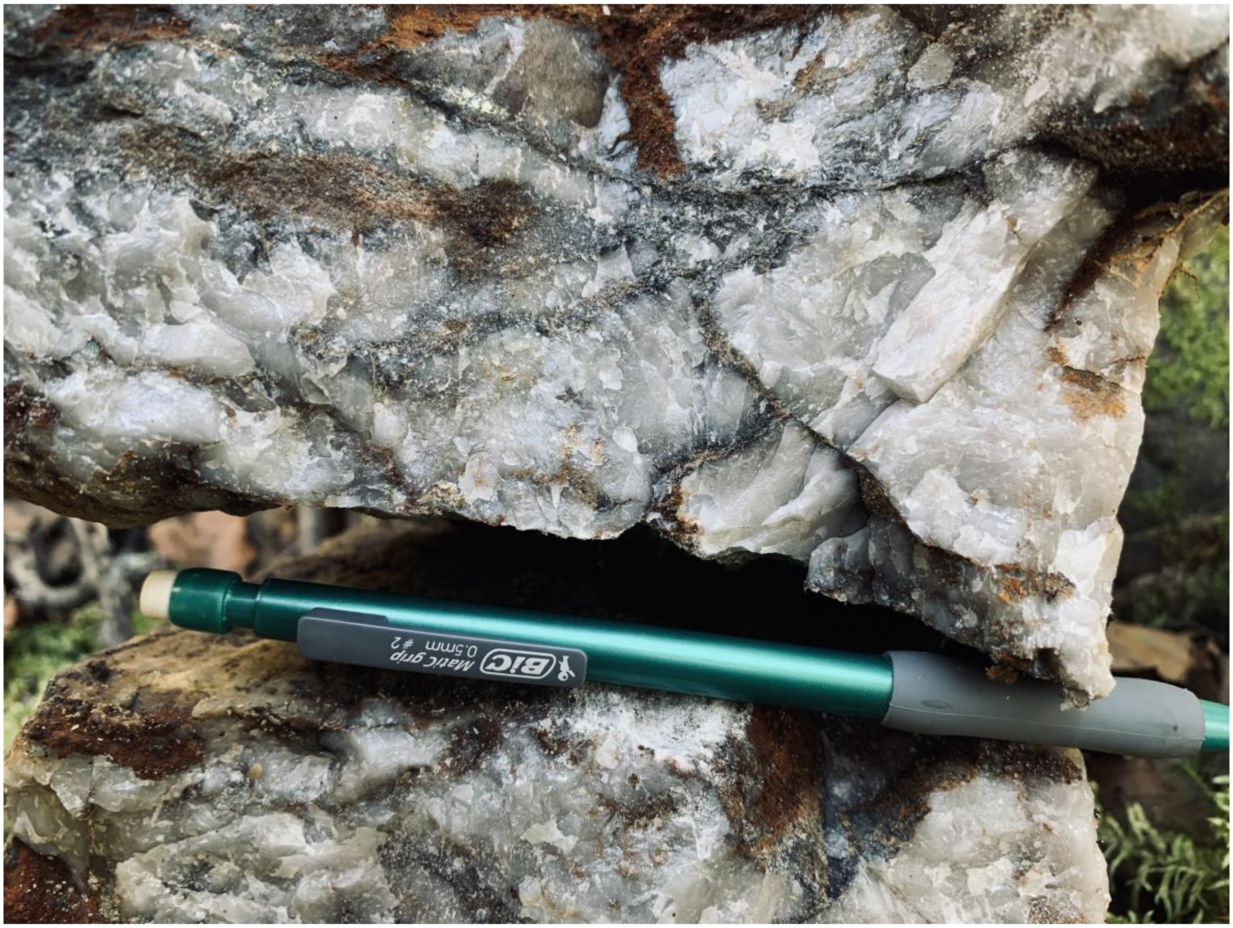
Sample B416010: Angular float of brecciaed felsic-cherty rock with quartz veining, pyrite, goethite. Burchell property, hand sample, view to N.

Sample B416011: White-quartz veinlet cm-dm-sigmoidal-pods-vein, azimuth 130deg, rusty, goethite. Host rock is an intermediate, fine-medium-grained equigranularity rock.

Sample B416012: Qtz in brecciaed mafic-felsic contact, py-cubes, actinolite, qzt-sugary texture (near POI_DR_471 on road).

Sample A 1104787: Ultramafic - mafic schist (amphibolite). Foliated (slightly sheared), rusty, blobs-lenses of calcite, pyrite traces 0.2%, mm-quartz veinlets. Foliation azimuth 095deg/vertical. Chlorite schist, mafic to ultramafic volcanic. Lenses of calcite, pyrite 0.2% traces, mm-qtz veinlets. Foliation azimuth 095deg/90deg. Boulders of intermediate chlorite-sericite and felsic phyllite on the valley felsic boulders (phyllite).

Sample A1104789: Angular quartz boulder, rusty, 3% Pyrite/30cmX15cmX10cm (POI DR276). In the area are angular white-quartz boulders up to 0.3m, brecciaed, magnetite-veinlets with pyrite, chalcopyrite (galena, epidote), goethite. Host rock in the area is ultramafic, serpentinite, foliation azimuth 230deg.



Sample A1104792: Felsic/Cherty/Rusty/2% Py.

1104793: Felsic/Cherty/Rusty/3% Py.

Sample A1104794: Felsic/Cherty/Highly Carbonated/40% Py.

1104795: Felsic/Chery/Rusty/5% Py.

Sample A1104803: Quartz Vein/Rusty/Mafic Contact/0.1% Cpy/.1% Py.

POI_DR_279_W: Felsic, phyllite, sericite-tuff? outcrop. Extensional Riedel fractures, as result of sinistral transpression. Strike-slip deformation oblique to foliation.

POI_DR_290_N: Outcrop, chert (tuff?) interlayered with magnetite rich layers of banded iron formation (BIF), cm-bedding up to 0.5m thick. Disseminate pyrite-traces in fine grained felsic cherty strong silicified rock.

POI_DR_296_S: Syenite intruding fine grained, layered, mafic magnetite-rich amphibolite.

POI_DR_349_S: Felsic rock, phyllite, quartz-sericite, w/ white-qtz injections-veinlets, azimuth 045deg/70deg SE, 0.1-0.2m wide, w/ flaky-muscovite.

POI_DR_365_NE: DDH collar BU-08-13, casing at azimuth 345deg/-40deg N (backsight post azimuth at 330deg).