Ontario

We are committed to providing accessible customer service.
If you need accessible formats or communications supports, please contact us.

Nous tenons à améliorer l’accessibilité des services à la clientèle.
Si vous avez besoin de formats accessibles ou d’aide à la communication, veuillez nous contacter.

CTEC
Central Timmins Exploration Corp.

Assessment Report

Mountjoy/Godfrey Project
Diamond Drill Holes
M4-19-01 / 02 / 03

in

Mountjoy Township
Porcupine Mining District, Ontario

Mar. 20th, 2021
P. Burt, P.Geo
R. Skeries, P.Geo

P2 GOLD

Table of Contents

Figures

Tables

SUMMARY

Central Timmins Exploration Corp. (CTEC) has an extensive property position within the City of Timmins, Ontario (***Fig. 1***), covering highly prospective geology for both gold and base metal mineralization.

Drill testing of anomalous MMI responses in conjunction with ground magnetic, VLF EM, and Pulse EM data in the M4 group, included CTEC drill holes M4-19-01, 02, and 03, the subject of this report. Although no gold values of interest were found, weakly anomalous base metal values were intersected in altered and fractured Porcupine Group sediments.

No additional drilling is recommended here.

INTRODUCTION

This assessment report covers the recent exploration drilling of DDH M4-19-01 (489m), M4-19-02 (459m), and M4-19-03 (333m) on the M4 portion of Central Timmins Exploration Corporation (CTEC) mineral exploration Mountjoy Project property. The project is believed to cover highly prospective geology for both gold and base metal mineralization in Mountjoy Township, as well as in the immediately adjoining portion of Godfrey Township, all within the City of Timmins.

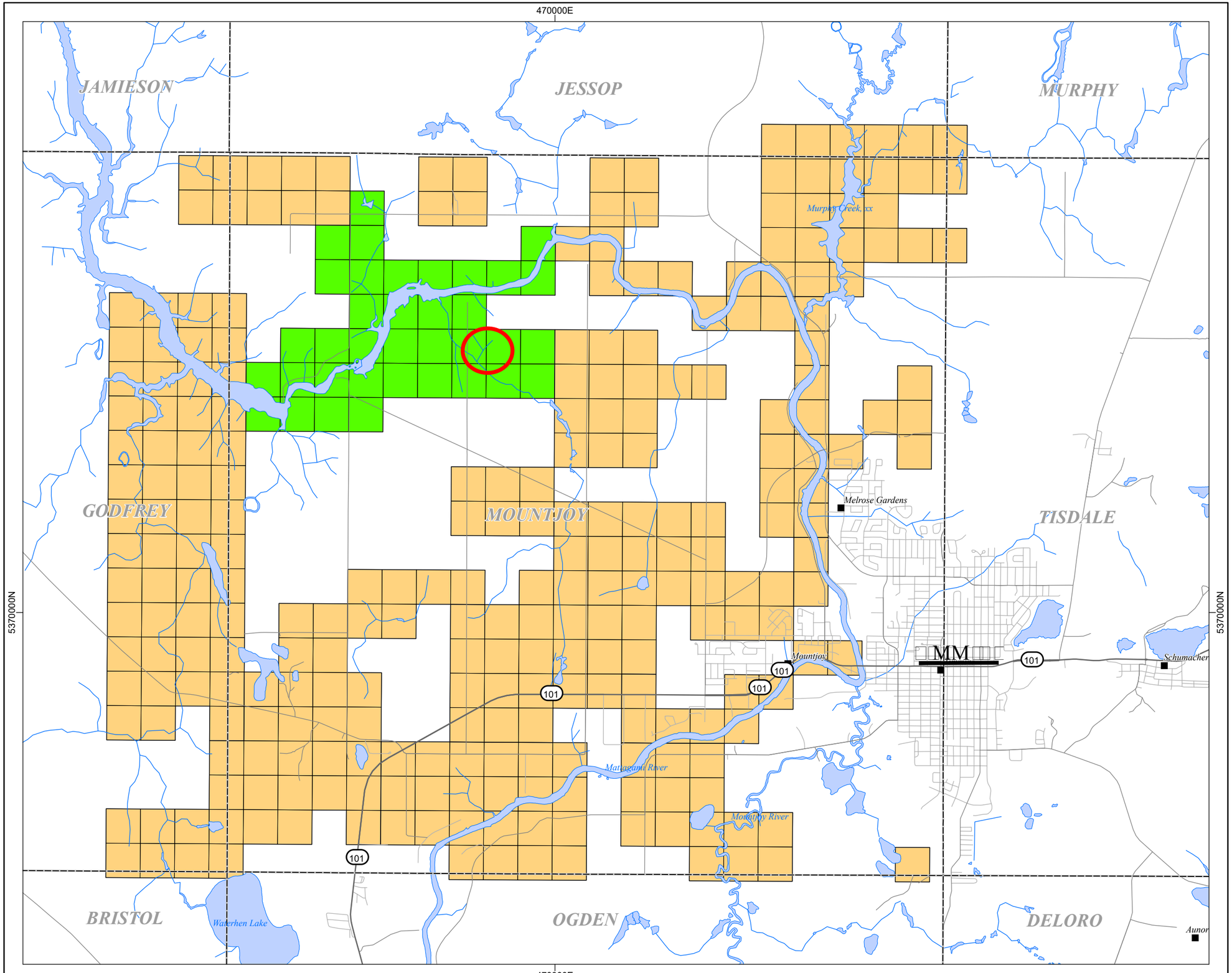
In total 1,281 metres of drilling was carried out by Forage SMP Inc. of Rouyn-Noranda, PQ, from April 4 to 15, 2019. Assaying (547 samples) with standards and blanks inserted into the sample sequence was completed from April 16 to May 15, 2019 by Activation Labs in Timmins, ON. Plotting and data handling were provided by BCS Geological Services, Oakville, Ontario. Work was completed within cell claims 268054 and 327961 under Permit PR-19-000001.

Portions of the general information in this report have been sourced with modifications from the CTEC May 17, 2018 NI 43-101 report authored by P. Chamois of RPA and filed on SEDAR.

PROPERTY TENURE AND LOCATION

The Mountjoy Project Groups are located within the city limits of Timmins in northeastern Ontario in Mountjoy Township and the immediately adjoining portion of Godfrey Township to the west. This area is accessible by numerous all weather paved and gravel roads both north and south of the Mattagami River which is primarily in the eastern and northern portion of the project area. The M4 drill area is found in NW Mountjoy Township straddling Jaguar Rd, and south of the Mattagami River, all in the western part of the City of Timmins **(*Fig. 2*).**

Currently, and after the implementation of the new MLAS on April 10, 2018, the reconfiguration of the Mountjoy Project original staked legacy claims, did not significantly alter the total area due to boundary conditions created by frequent patented mining lands. Only a portion of the current project is covered by this report as documented by the claim cells visible on ***Fig.2***, being part of 299 boundary and single claim cells making up the overall project.



P2 GOLD INC.

MOUNTJOY TWP.
M4 BLOCK LOCATION

N
W E
S

UTM ZONE 17N, NAD83

1:50,000

0 1 2

Kilometres

LEGEND

- *Township Boundary*
- *Creek*
- *Lake*

Roads

- *Highway*
- *Collector*
- *Local / Street*

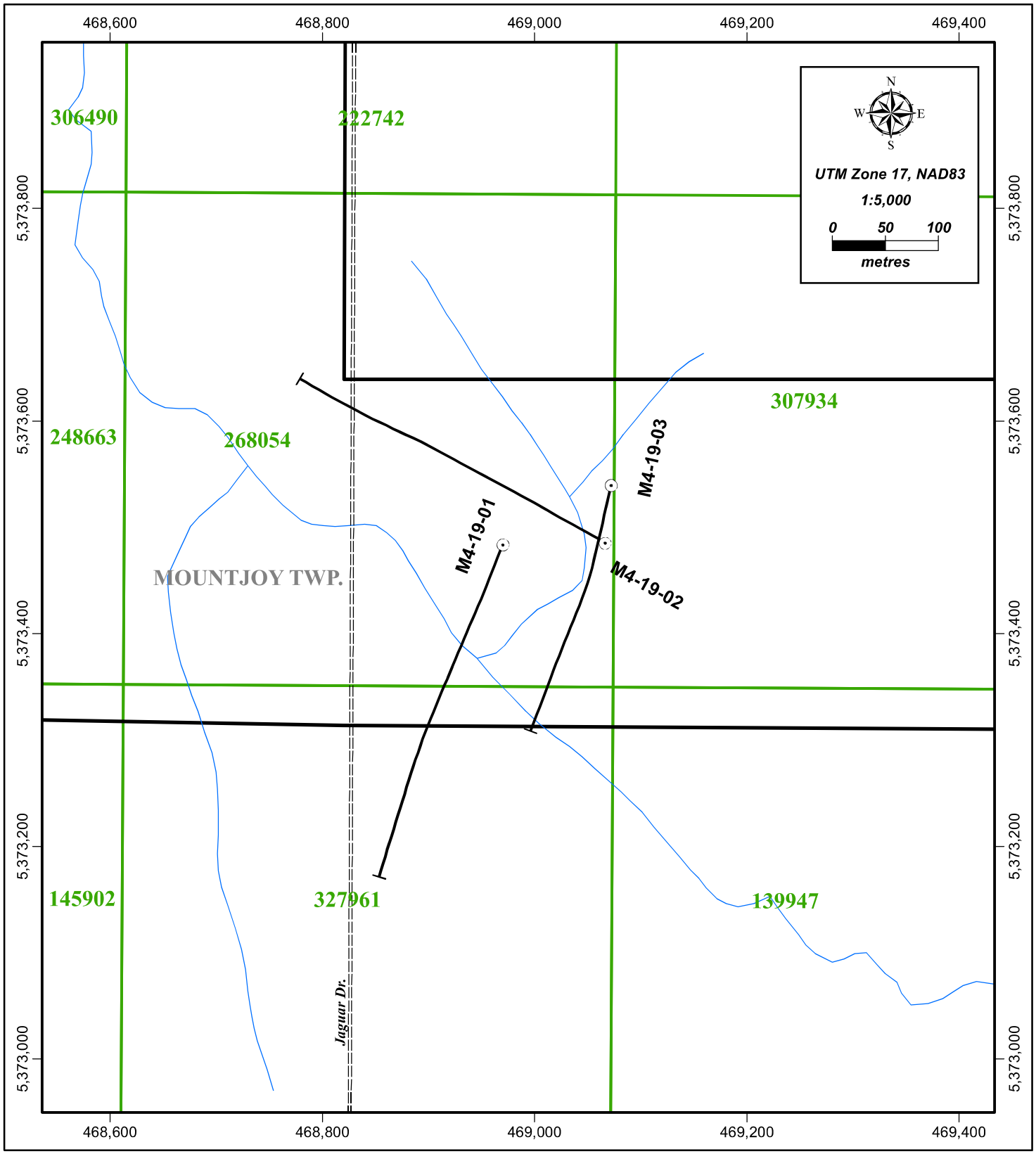
Claim Assessment Block

- *M4 Block*
- *Operational Cell Claim*

Note:
Full Operational Claims are shown.
Boundary and burdened claims
will reduce the total claim area.

DRILL□R□□

March 11, 2021



LEGEND

Roads

Secondary

Creek

Operational Cell Claim

Legacy Claim

Drill Hole Traces

CTEC 2019 Drill Hole

CENTRAL TIMMINS EXPLORATION CORP.

MOUNTJOY TOWNSHIP

M4 TARGET DRILL HOLE LAYOUT

?????2

March 12, 2021

CLIMATE AND PHYSIOGRAPHY

The Mountjoy Project and subgroup G1 are all within the Boreal Shield characterized by warm summer and cold, snowy winters with snow accumulations up to 2 metres. The climate is considered to be continental with overall temperature ranges of -40°C to +35°C. Despite the at times harsh climatic conditions, geophysical surveying and diamond drilling can be performed on a year-round basis. Geological mapping and geochemical sampling are typically restricted to the months of May through to October.

The regional landscape is generally of low relief dominated by fine-textured, level to undulating lacustrine deposits. Intermixed within these deposits are few bedrock outcrops and organic deposits. The area is an active agricultural district with a high density road network. The Mattagami River provides the primary drainage for the area. Numerous small creeks occur and provide drainage primarily north trending. To the west, a chain of small lakes is found straddling the north-south Mountjoy/Godfrey township line.

Clayey lacustrine and loamy tills are the dominant soils in the region with local sand and gravel deposits.

The area is characterized by stands of white spruce, balsam fir, birch, and poplar. Drier sites may have stands of jack pine or mixtures of jack pine, birch, and poplar. Wet sites are characterized by black spruce and balsam fir. Understory is typically moss, as well as lichen in cold and wet sites.

GEOLOGY AND MINERALIZATION

REGIONAL FRAMEWORK

The Mountjoy Groups are part of the Central Timmins Project which lies within the Southern Abitibi Greenstone Belt (SAGB) of the Superior Province in northeastern Ontario. In very general terms, the Abitibi Sub-province consists of Late Archean metavolcanic rocks, related synvolcanic intrusions, and clastic metasedimentary rocks, intruded by Archean alkaline intrusions and Paleoproterozoic diabase dikes. The traditional Abitibi greenstone belt stratigraphic model envisages lithostratigraphic units deposited in autochthonous successions, with their current complex map pattern distribution developed through the interplay of multiphase folding and faulting.

At a regional scale, the distribution of supracrustal units in the SAGB is dominated by east- west striking volcanic and sedimentary assemblages. The structural grain is also dominated by east-west trending Archean deformation zones and folds. The regional deformation zones commonly occur at assemblage boundaries and are spatially closely associated with long linear belts representing the sedimentary assemblages. The dominant regional fault in this area is the Destor-Porcupine, referred to as the Destor-Porcupine Fault Zone (DPFZ). The current locations of these regional deformation zones are interpreted to be proximal to the locus of early synvolcanic extensional faults. Belt scale folding and faulting was protracted and occurred in a number of distinct intervals associated at least in the early stages with compressive stresses related to the onset of continental collision between the Abitibi

and older sub-provinces to the north. Throughout the history of the Abitibi Sub-province, there was repeated plutonism defined by three broad suites: 1) synvolcanic plutons, 2) syntectonic intrusions that range in age from 2695 Ma to 2680 Ma and include tonalite, granodiorite, syenite, and granite, and 3) post-tectonic granites that range in age from approximately 2665 Ma to 2640 Ma.

The volcanic and sedimentary rocks of the Timmins-Porcupine camp belong to the Deloro, Tisdale, Porcupine, and Timiskaming assemblages.

The Deloro assemblage only occurs to the south of the DPFZ. It is mainly composed of pillowed calc-alkaline mafic volcanic rocks, and constitutes the oldest volcanic rock assemblage in the camp. Intermediate to felsic volcanic and/or volcaniclastic rocks and iron formations are also present in the Deloro assemblage.

A disconformity and/or a reverse fault marks the contact between the volcanic rocks of the Deloro assemblage and those of the overlying Tisdale assemblage. In contrast to the Deloro assemblage, the Tisdale assemblage, in particular the Hersey Lake Formation, is present both to the south and to the north of the DPFZ.

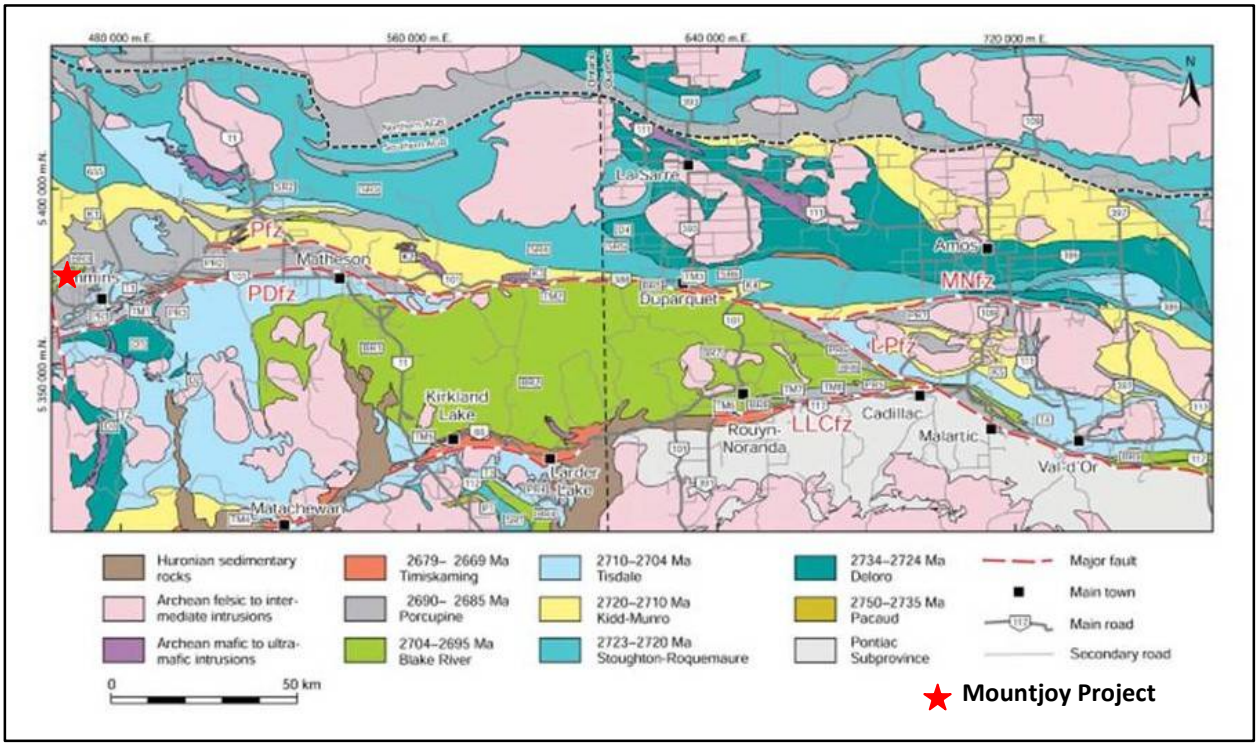


Fig. 3: Abitibi Geological Framework

The contact between the volcanic rocks of the Tisdale assemblage and the overlying sedimentary rocks of the Porcupine assemblage has been described as a disconformity. A distinct, discontinuous horizon of carbonaceous argillite (approximately 100m) separates the Tisdale and Porcupine assemblages in much of the camp. The Porcupine assemblage comprises the following, from base to top: (1) calc-alkaline pyroclastic and volcaniclastic rocks (debris flow, talus breccia) of the Krist Formation,

(2) greywackes, siltstone, and mudstone of the Beatty Formation, and (3) greywacke, siltstone, and mudstone of the Hoyle Formation. Locally, minor conglomerate and iron formation are also present.
The sedimentary rocks of the Timiskaming assemblage (approximately 900 m thick) are only distributed along the north side of the DPFZ and unconformably overlie the Porcupine and Tisdale assemblages. The Timiskaming angular unconformity cuts both limbs of the Porcupine syncline.

The structural setting of the Timmins-Porcupine gold camp is complex and comprises several stages of deformation and/or strain increments. The main structural feature of the camp is the east-northeast to east-west trending ductile-brittle DPFZ. It is a poorly exposed, regionally extensive (approximately 550 km), long-lived major fault zone that can be more than 100 m wide. The DPFZ is characterized by steeply dipping penetrative composite foliations (S_3 and S_4). The fault zone is marked by highly strained mafic and ultramafic rocks of the Tisdale and Deloro assemblages, transformed into talc-chlorite schists as well as sedimentary rocks of the Porcupine and Timiskaming assemblages. Quartz ± carbonate veins and breccias, pervasive iron-carbonate hydrothermal alteration, and local development of fault gouge are also common within or in the vicinity of the fault zone.

Stratigraphic relationships indicate that, overall, the fault is characterized by a south-side-up motion, however, the fault zone has a complex geometry and kinematic history. The dip of the fault zone is steep and varies from north to south along its length with evidence for both vertical and strike-slip displacements. Presence of Porcupine assemblage sedimentary rocks and local volcanic rocks and/or intrusive rocks of the Hersey Lake Formation on both sides of the DPFZ indicate that it is not a terrane-bounding structure.

Most gold deposits in the camp are located in a carbonate alteration corridor that affects, with variable intensity, all rock units up to approximately five kilometres north of the DPFZ. This carbonate alteration footprint is particularly well developed in the flexure area, where the orientation of the DPFZ changes from an approximately east-west to west-southwest trend. The Dome fault is located in that flexure zone, and has been interpreted as a splay of the DPFZ as well as the faulted south margin of the Timiskaming basin.

MOUNTJOY/GODFREY PROJECT

According to Hinse (1974), Mountjoy Township contains northeasterly trending pillow lavas and andesites in the northwest quadrant of the township while a zone of volcanic rocks trend east to northeasterly in the southeast quadrant of the township. The volcanic rocks are bounded on the south and southeast by an extensive sedimentary trough. At least three small quartz feldspar porphyry plugs intrude the sediments at Sandy Falls along the Mattagami River.

The major fault in the area is the Mattagami River fault which has a northeasterly strike. This fault system separates the massive andesites in the west from the volcanics in the eastern part of Mountjoy Township. These two units cannot be correlated with each other, thereby suggesting that some form of unconformity exists between the two units (Hinse, 1974).

The central portion of the township contains a few localized areas of slate and greywacke that strike northeasterly and dip to the southeast. A general trend of carbonate units exists and is interpreted to strike in a northeast direction. The carbonate units are thought to be bounded on their flanks by areas of shale and greywacke (Hinse, 1974).

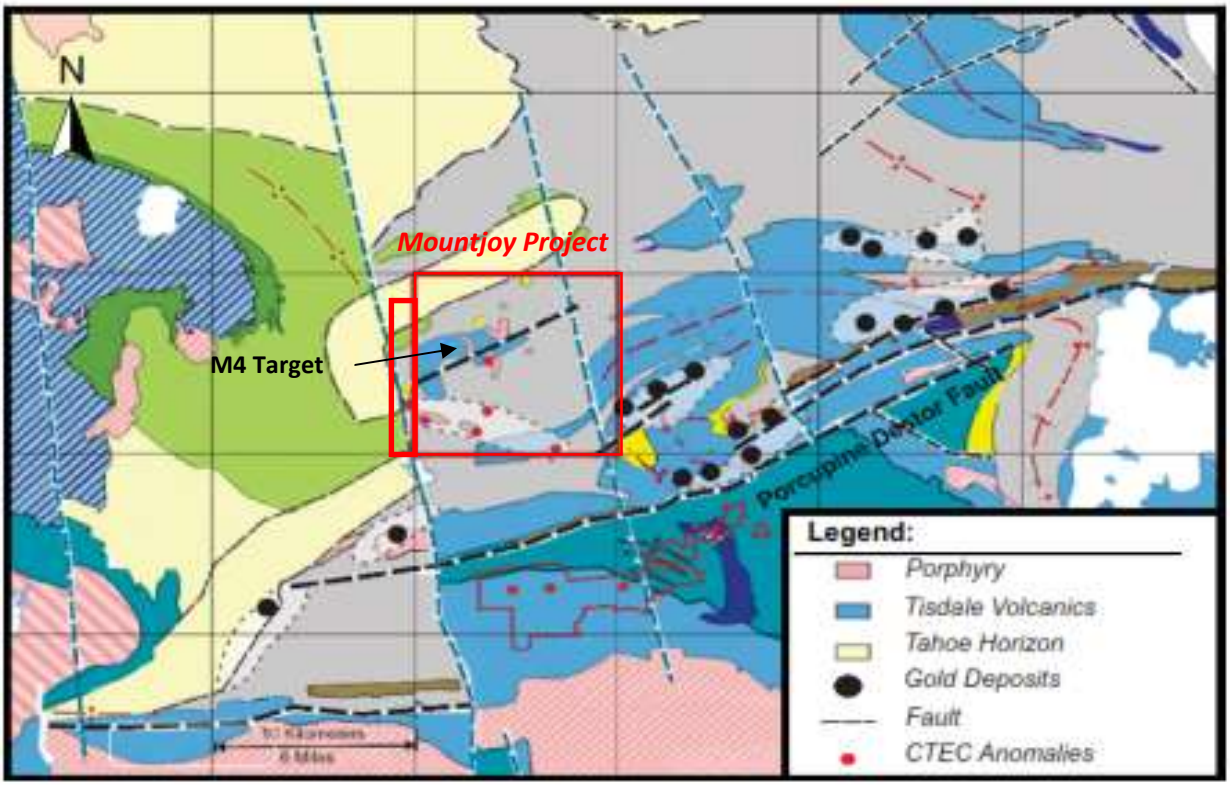
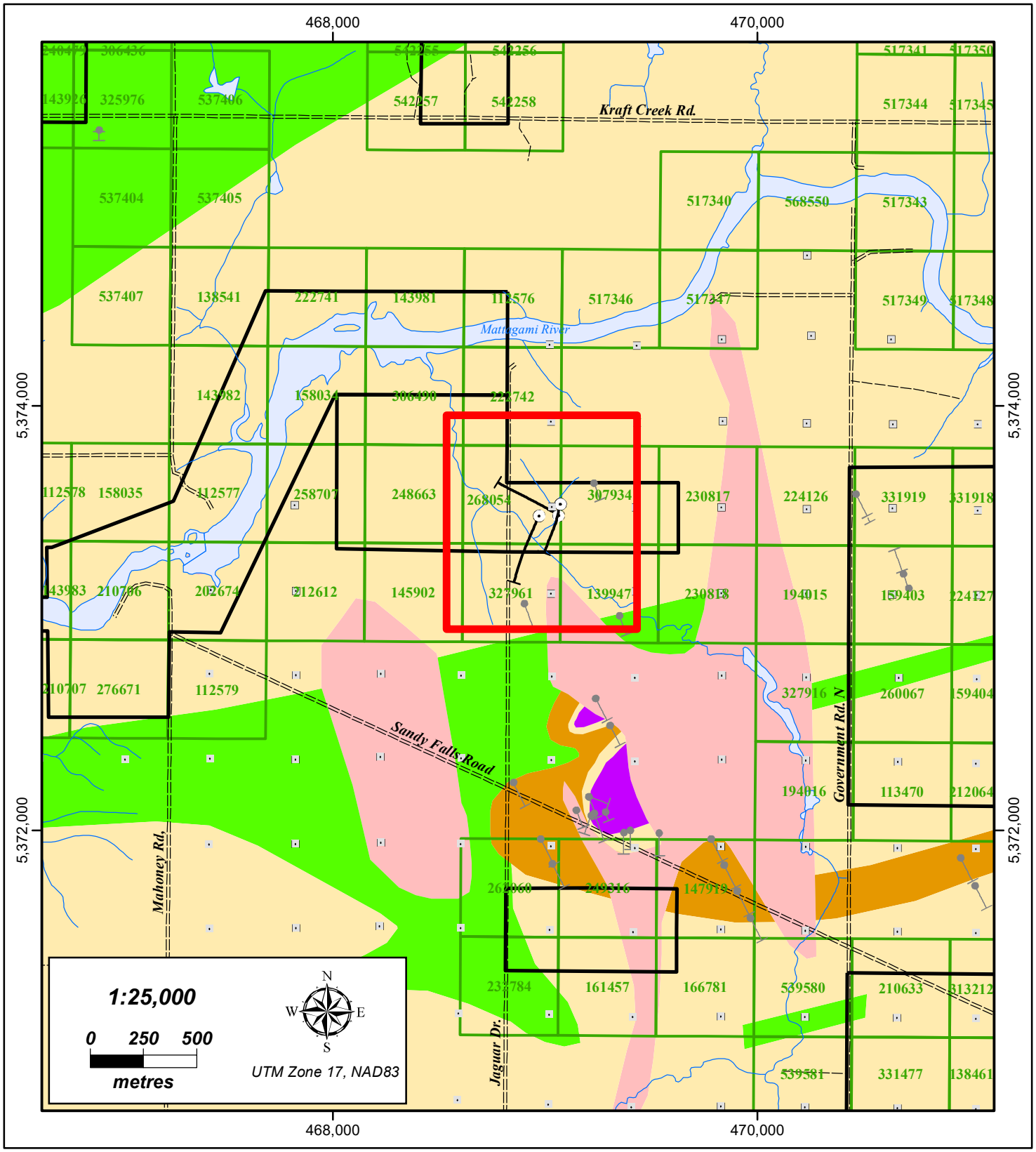


Fig. 4: Mountjoy Project and Camp Geology

Using a combination of aeromagnetics, historical geological mapping and drilling results, Burt (2018) re-interpreted the geological map of the Mountjoy Township area (***Fig. 4,5***) and concluded that the geology was more complicated than is depicted on any published maps. The presence of Tisdale assemblage tholeiitic volcanics, coupled with agglomerates and conglomerates, suggest that the centre of the township is similar to the geology of the Timmins area. Interbedded sediments and felsic tuffs encountered in many of the historical drill holes are suggestive of Krist Formation lithologies. Drilling suggests that the central portion of the township is underlain by either a large porphyry body, or a series of porphyritic dykes and/or sills intruding all other rock types. The porphyry contacts are marked by intense silicification and sericitization. Burt concludes that the supposed Porcupine assemblage sediments are neither as widespread nor as thick as shown on current geological maps. Burt also suggests that the area has undergone at least two phases of folding and cross faulting. Westerly trending and northerly trending fold axes are the most likely directions forming tight, doubly plunging synforms and antiforms throughout the township (Burt, 2018).



LEGEND

- CTEC 2019 Drill Hole
- Historical DDH
- Historical O/B Hole

Roads

- Secondary
- Tertiary

- P2 Gold Legacy Claim
- P2 Gold Operational Cell

Drainage

- Lake
- Creek

Generalized Geology (Burt, 2018)

- Volcanics
- Conglomerate
- Komatiite
- Quartz-Feldspar Porphyry (sheeted sills/dykes?)
- Sediments

P2 GOLD INC.

MOUNTJOY TOWNSHIP

M4 TARGET REGIONAL GEOLOGY

?P?P5

March 12, 2021

GOLD MINERALIZATION

Most gold deposits in the Timmins camp are located in a carbonate alteration corridor that affects, with various intensities, all rock units up to approximately five kilometres north of the DPFZ. This carbonate alteration footprint is particularly well developed in the flexure area, where the orientation of the DPFZ changes from an approximately east-west to west-southwest trend. The Dome fault (Ferguson et al., 1968; Holmes, 1968; Rogers, 1982) is located in that flexure zone, and has been interpreted as a splay of the DPFZ (Davies, 1977; Proudlove et al., 1989; Brisbin, 1997) as well as the faulted south margin of the Timiskaming basin (Bateman et al., 2008).

The Dome fault consists of a brittle-ductile east-northeast trending and south dipping reverse fault (D_3 or younger) that juxtaposes the "South Greenstone" Tisdale basalt of the Central Formation and ultramafic rocks of the Hersey Lake Formation in the hanging wall, onto younger folded (F_3 syncline) greywacke and mudstone of the Timiskaming assemblage in the footwall (Holmes, 1968; Hodgson, 1983; Brisbin, 1997; Pressacco et al., 1999). The 2690 ± 2 Ma Paymaster and 2688 ± 2 Ma Preston porphyries (Marmont and Corfu, 1989; Gray and Hutchinson, 2001) are locally highly strained and are located in the immediate footwall (north) and hanging wall (south) of the fault zone (Rogers, 1982; Pressacco et al., 1999). The Dome fault was well exposed in the Dome open pit and underground, where it coincides with a several metre wide hydrothermal alteration corridor that hosts the high-grade quartz-fuchsite vein. The latter is located near the contact between the Tisdale volcanic rocks and the Preston porphyry or the Timiskaming sedimentary rocks. This alteration corridor consists of strongly iron-carbonate, quartz, sericite, and fuchsite altered and foliated mafic and ultramafic rocks and quartz-feldspar porphyry (e.g., Holmes, 1948; Rogers, 1982; Hodgson, 1983; Moritz and Crocket, 1990, 1991).

The quartz-carbonate vein gold deposits range from simple to complex networks of laminated quartz-carbonate fault-fill veins within moderately to steeply dipping brittle to ductile shear/ fault zones with locally developed shallow dipping extensional veins and hydrothermal breccias. Extensive ankerite alteration is common and frequently accompanied by sericite and fuchsite. Gold is generally concentrated in the quartz-carbonate vein network but does occur in significant amounts within iron-rich sulphidized wall rock/vein selvages or within silicified and arsenopyrite-rich replacement zones.

Mountjoy/Godfrey Townships are located immediately to the west of the Hollinger-McIntyre gold system in a heavily overburden covered area historically thought to be underlain by predominantly sedimentary lithologies. Bedrock lithologies are now known to be more complex than originally thought and include greenstone lithologies, porphyritic intrusive bodies, and conglomerates, all known hosts for the Timmins Camp gold mineralization.

The Mountjoy Project property has the potential to host structurally controlled, Archean epigenetic gold deposits. Quartz-carbonate vein deposits are typically associated with deformed greenstone belts characterized by variolitic tholeiitic basalts and ultramafic flows in turn often intruded by intermediate to felsic porphyries along major crustal-scale fault zones. Spatially associated with these deformation and fault zones are Timiskaming type sediments, often conglomeratic. These geological setting are believed to present as is gold mineralization, known from the original discovery outcrop (1930's) as well

as mineralization associated with porphyry in outcrops in the Sandy Falls area, NW Mountjoy Township and historical drilling in SE Godfrey Township.

MOUNTJOY PROJECT SELECTED HISTORY

The exploration and development history of the greater Mountjoy Project has not been as intense as other areas of the Timmins gold camp. Burt (2018) indicates that relevant work on the Mountjoy Project dates back to the 1930's when four diamond drill holes were completed by Mineral Estates Ltd. in the central portion of the township. The first of these holes returned a 9.14 m (30 ft) intersection grading 0.03 oz/ton Au within which a 0.61 m (2 ft) band of massive pyrite assayed 0.08 oz/ton Au in carbonatized volcanic.

Since that time, and prior to Claim Post's involvement, Burt (2018) lists the following drill from the ENDM assessment/data files:

1922 Canadian Longyear	30 DDH
1964 Hollinger Consolidated Gold Mines	2 DDH
1974 Kerr Addison Ltd.	13 DDH and 87 reverse circulation (RC) holes
1980 Comstate Resources Ltd.	1 DDH
1981 Comstate Resources Ltd.	16 RC holes
1981 D. Pyke	61 RC holes
1982 Comstate Resources Ltd.	30 RC holes
1982 D. Pyke	42 RC holes
1983 Grand Saguenay Mines and Minerals	2 DDH
1984 Noranda Exploration Ltd.	2 DDH
1984 Comstate Resources Ltd.	1 DDH
1984-86 K3 Dev. and Mining (Bonhomme)	4 DDH
1986 Zahavy Mines Ltd.	7 DDH and outcrop stripping
1986 Pamour Exploration	36 RC holes
1986 Noranda Exploration Ltd.	2 DDH, 5 RC holes
1987 Noranda Exploration Ltd.	7 DDH
1993 John Huot	4 DDH
1996 Caron	7 RC holes

Additional data on file includes several airborne surveys, both government and corporate, were completed covering various portions of Mountjoy Township. Comstate (1983) undertook a Questor Input EM and Mag airborne survey. In 1987 the OGS carried out a regional EM and Mag airborne survey. More recently Osisko completed a Mag/Radiometric survey in 2013 in northern Mountjoy.

Ground geophysics includes;

- 1930's Mineral Estates Mag and EM survey
- 1972 Bonhomme EM and Mag survey
- 1974 Kerr Addison Mag survey
- 1974 Ecstall Mining Mag and HEM

1983 Grand Saguenay Mines and Minerals IP surveys
1993-95 Caron Mag, HEM, IP, and EM surveys
1997-99 Comaplex Minerals Mag and IP surveys
2012 Geomark Exploration Mag and EM survey

Soil geochem was undertaken in 1981 by Comstate focusing on A horizon sampling with a total of 319 samples at 100' spacing. Channel sampling was carried out by Comaplex in 2007 as were analyses of outcrop grab sample in 1997 and whole rock in 1994 of the original historical gold showing.

In 2010 Claimpost Resources completed and MMI soil sampling survey on pace and compass, flagged grid lines over a number of claim blocks and along certain roads in Mountjoy Township. A total of approximately 182 km of lines were established, and samples were collected on a 200 m x 25 m grid. A total of 2,975 samples were analyzed for 47 trace elements and 6 major elements by ICP-MS.

In 2017 Claimpost Resources completed an orientation ground magnetic survey to support developing drill targets in conjunction with earlier MMI sampling previously reported.

Additional but selective sampling was continued by CTEC in 2017 and 2018, with a total of 160 MMI soil samples being taken on some of the Mountjoy Project previously sampled grids to better detail target areas identified as G1, M12, M11, M10, M5, and M4 as detailed in previous assessment report filings.

In 2019 CTEC completed diamond drill holes G1-19-01 to 03 for a total of 1089m targeting the historical Minesta/Caron porphyry, as detailed in previous assessment report filings.

CTEC Diamond Drill Holes M4-19-01, 02, and 03

The M4 exploration is follow-up to recent MMI sampling ***(Fig. 6)*** that was carried out on bi-directional profiles and PEM responses that may be indicative of VMS type base metal mineralization. MMI higher value clustering for Zn, associated Cd and elevated Cu occur in the immediate drill area.

Table 1 – CTEC Drill Holes M4-19-01, 02, and 03 Data

Drill hole	UTM NAD 83 Zone 17 E	UTM NAD 83 Zone 17 N	Azimuth (°)	Dip (°)	EOH (m)	Core Samples	Assays
M4-19-01	468970	5373484	200	-45	489	186	200
M4-19-02	469067	5373485	299.5	-45	459	156	166
M4-19-03	469072	5373540	199.5	-45	333	204	218

All samples (547) were analysed by FA-AA for Au. However, despite locally prominent quartz veining and accessory pyrite, there were no gold responses of interest with a peak value of 90 ppb in M4-19-01 associated with veining flanking a narrow shear/breccia at 423.25m. A slight background tenor increase in several samples is noted in this area.

MOUNTJOY TOWNSHIP
M4 TARGET

M4 DRILL HOLES WITH MMI RESULTS AND MAGNETICS BACKGROUND (TMI)

468,500 469,000 469,500

5,374,000 5,373,500 5,373,000

158034 306490 222742 258707 248663 268054 307934 230817 212612 145902 327961 139947 230818

4245734 4246797 4244000 4212500

Jaguar Dr.

M4-19-03 M4-19-01 M4-19-02

UTM Zone 17, NAD83

1:5,000

0 100 200

metres

LEGEND

Drainage
- Lake
- Wetland
- Creek

Road
- Primary
- Secondary
- Tertiary

CTEC Claims
- Cell Claim
- Legacy Claim Boundary
- CTEC Drillhole

MMI Results

Elements: Cd Ag Zn Cu

Response Ratios
- >20 RR
- 10 - 20
- 5 - 10
- 1 - 5
- 0 - 1

???6

December 14, 2020

Base metal analyses for Ag, Cu, Pb, and Zn are low and were part of a multi-element ICP analytical package that generally was completed on selected samples (107) defining intervals with small scale sulphide veining and higher concentrations of sulphide minerals in veins. Results indicate no well defined mineralization of significance, but may potentially be reflected in the spotty distribution of MMI soil geochem values (2019 assessment report). There is also the suggesting that many broader results are background that may over time have been locally accentuated from surface activities.

As the holes are closely spaced they reflect the same basic geology of the area. Greywacke, locally affected by chloritic alteration and silicification, with interbedded slate(shale)/argillite and minor conglomerate, is the predominant rock type here area of Porcupine Group sediments. Clustered interfingering relatively narrow porphyry dykes in addition to wider more massive intersections up to 10m in drilled width occur in all drill holes. All drill holes also intersected wide diabase dykes. Shears and implied brittle faults (frequent broken core) can be seen throughout and when more tightly grouped define structural corridors that appear to follow intrusive trends.

Interfingering and more massive porphyry intersections are found in holes M4-19-01 and 02 with a more continuous and massive intersection in the central portion of the former. Intercepts in M4-19-03 are represented by sedimentary interfingering clusters in the lower half, while both holes M4-19-02 and 03 have minor intercepts near their respective collars. Note that the porphyry intercepts, particularly from M4-19-01 appear to be the direct extension of the modelled westerly and NW trending lobe of the main porphyry body as depicted on the interpreted Mountjoy geology map **(*Fig. 5).***

Although there appears to be some correlation with some of the interfingering porphyry/slate sections that appear to preferentially contain elevated sulphides, the overall content may not account for the PEM profile anomalies. PEM anomalies suggest a corridor that also tracks the potential NW to NNW trending shear zone(s). A wide ~45-50m wide shear/fault zone with multiple discrete shears/faults is found in the upper 100m of M4-19-01 and appears to continue through M4-19-03 between 160 to 210m downhole. This trend may be reflected in the NW trending drainage cutting through the drill area. If a narrower shear zone at 300m in M4-19-02 along the eastern diabase dyke contact is linked, then the resultant structure may be reflected in the magnetic data that suggests a potential NNW trending shear/fault zone.

All drill holes encountered significant intersections of diabase dyke up to 50m drilled width, whereby those in the lower portion of holes M4-19-01 and 02 define a well known north trend and magnetic high ridge with some shearing indicated along the east contact. Intercepts in the uppermost portions of holes M4-19-02 and 03 suggest a main dyke with subsidiary dykes collectively trending NNW, also a recognized orientation from the magnetic data (***Fig. 6***).

Veins are generally abundant as narrow but scattered quartz, quartz-carbonate +/- chlorite/tourmaline, and carbonate veinlets, rarely up to approximately 1 metre, but dominantly much less than 10cm drilled width, with some local clustering as “zones”. Veins carry a variable sulphide load from trace py/cpy/sph/po to 3%. Locally semi-massive sulphides are present as stingers and disseminations and rare minor scale stockworks.

Contacts with intrusive rocks are often veined and/or frequently sheared with sheeted/stockwork type quartz veining and pyritic fracture filling. Sulphides include chalcopyrite and sphalerite in addition to the widespread pyrite and lesser pyrrhotite. Local fine pyrite is also found along bedding.

In M4-19-01 higher Ag values from shear and greywacke/porphyry contact areas within the drill holes' upper 10m (18.7/17.5 Ag ppm) are unexpected. An isolated peak Zn (1020ppm) is narrow quartz vein hosted in greywacke interbedded with slate/shale at 286.7m. From ~343 to 354m accessory sphalerite with py, cpy, and po reflect higher metal values associated with slate(shale)/argillite.

In M4-19-02 higher Zn at 192.75m (1450ppm) is associated with broken core and a shear zone with narrow mm-size quartz veinlets containing py/cpy/sph. Sulphide loads are up to 3% (py) with noted increase in alteration from 298 to 311.5m in a mixed sedimentary package with multiple shear zones from 360.9 to 363.7m with associated 0.26m quartz vein (py/cpy/po). Peak Zn (2110ppm) and Pb (401ppm) occurs from 247.28 to 247.59m in a cluster of narrow qtz veinlets with shearing, all in a greywacke/argillite interval with weakly elevated base metal tenor.

Hole M4-19-03 has a weak Cu response associated with a shear zone (136.5-138.6m) with elevated py and cpy at a porphyry contact.

RECOMMENDATIONS

Given the results to date, no additional follow-up drilling is recommended here.

Additional and suspected nearby porphyry targets, in particular those potentially associated with significant structures, may represent additional drill targets, do however require additional targeting work that may include both geophysical and geochemical methods.

REFERENCES

(for the greater Central Timmins Exploration Project)

Ayer, J.A., Thurston, P.C., Bateman, R., Dube, B., Gibson, H.L., Hamilton, M.A., Hathaway, B., Hocker, S.M., Houle, M.G., Hudak, G., Ispolatov, V.O., Lafrance, B., Lesher, C.M., MacDonald, P.J., Peloquin, A.S., Piercy, S.J., Reed, L.E., and Thompson, P.H., 2005: Overview of results from the Greenstone Architecture Project: Discover Abitibi Initiative: OGS Open File 6154, 146 p.

Ayer, J.A., Thurston, P.C., Dubé, B., Gibson, H.L., Hudak, G., Lafrance, B., Lesher, C.M., Piercey, S.J., Reed, L.E., and Thompson, P.H., 2004: Discover Abitibi Greenstone Architecture Project: Overview of results and belt-scale implications: Ontario Geological Survey Open File Report 6145, pp. 37-1–37-15.

Ayer, J.A., Barr, E., Bleeker, W., Creaser, R.A., Hall, G., Ketchum, J.W.F., Powers, D., Salier, B., Still, A., and Trowell, N.F., 2003: New geochronological results from the Timmins area: Implications for the timing of late-tectonic stratigraphy, magmatism and gold mineralization: Ontario Geological Survey Open File Report 6120, pp 33-1–33-11.

Ayer, J., Amelin, Y., Corfu, F., Kamo, S., Ketchum, J., Kwok, K., and Trowell, N., 2002a: Evolution of the southern Abitibi greenstone belt based on U-Pb geochronology: Autochthonous volcanic construction followed by plutonism, regional deformation and sedimentation: Precambrian Research, v. 115, pp. 63–95.

Ayer, J.A., Ketchum, J.W.F., and Trowell, N.F., 2002b: New geochronological and neodymium isotopic results from the Abitibi greenstone belt, with emphasis on the timing and the tectonic implications of Neoarchean sedimentation and volcanism: Ontario Geological Survey Open File Report 6100, pp. 5-1–5-16.

Ayer, J.A., Trowell, N.F., Madon, Z., Kamo, S., Kwok, Y.Y., and Amelin, Y., 1999: Compilation of the Abitibi Greenstone Belt in the Timmins-Kirkland Lake Area: Revisions to Stratigraphy and new Geochronological Results; in Summary of Field Work and Other Activities 1999, Ontario Geological Survey, Open File Report 6000, pp 4-1 - 4-13.

Ayer, J., Berger, B., Johns, G., Trowell, N., Born, P., and Mueller, W.U., 1999, Late Archean rock types and controls on gold mineralization in the southern Abitibi greenstone belt of Ontario: Geological Association of Canada- Mineralogical Association of Canada Joint Annual Meeting, Sudbury, Canada, 1999, Field Trip B3 Guidebook, 73 p.

Barrie, C.T., 2000: Geology of the Kamiskotia Area, OGS Study 59, 79 p.

Bateman, R., Ayer, J.A., and Dubé, B., 2008: The Timmins-Porcupine gold camp, Ontario: Anatomy of an Archean greenstone belt and ontogeny of gold mineralization: Economic Geology, v. 103, pp. 1285–1308.

Bateman, R., Ayer, J.A., Dubé, B., and Hamilton, M.A., 2005: The Timmins- Porcupine gold camp, northern Ontario: The anatomy of an Archean greenstone belt and its gold mineralization: Discover Abitibi Initiative: Ontario Geological Survey Open File Report 6158, 90 p.

Bateman, R., Ayer, J.A., Barr, E., Dubé, B., and Hamilton, M.A., 2004, Protracted structural evolution of the Timmins-Porcupine gold camp and the Porcupine-Destor deformation zone: Ontario Geological Survey Open File Report 6145, pp. 41-1–41-10.

Benn, K., Ayer, J.A., Berger, B.R., Vaillancourt, C., Dinel, É., and Luinstra, B., 2001: Structural style and kinematics of the Porcupine-Destor deformation zone, Abitibi greenstone belt, Ontario: Ontario Geological Survey Open File Report 6070, pp. 6-1–6-13.

Berger, B.R., 2001: Variation in styles of gold mineralization along the Porcupine–Destor deformation zone in Ontario: An exploration guide: Ontario Geological Survey Open File Report 6070, pp. 9-1–9-13.

Bleeker, W., Atkinson, B.T., and Stalker, M., 2014: A “new” occurrence of Timiskaming sedimentary rocks in the northern Swayze greenstone belt, Abitibi Subprovince—with implications for the western continuation of the Porcupine-Destor fault zone and nearby gold mineralization: Ontario Geological Survey Open File Report 6300, pp. 43-1–43-10.

Bleeker, W., 2012: Lode gold deposits in ancient deformed and metamorphosed terranes: The role of extension in the formation of Timiskaming basins and large gold deposits, Abitibi greenstone belt – A discussion: Ontario Geological Survey Open File Report 6280, pp. 47-1–47-12.

Bleeker, W., 1999: Structure, stratigraphy, and primary setting of the Kidd Creek volcanogenic massive sulfide deposit: A semiquantitative reconstruction: Economic Geology Monograph 10, pp. 71–122.

Born, P., 1995: A sedimentary basin analysis of the Abitibi greenstone belt in the Timmins area, northern Ontario, Canada: Unpublished Ph.D. thesis, Ottawa, Canada, Carleton University, 489p.

Brisbin, D.I., 1997, Geological setting of gold deposits in the Porcupine gold camp, Timmins, Ontario: Unpublished Ph.D. thesis, Kingston, Ontario, Canada, Queen’s University, 523 p.

Buffam, B.S.W., 1948a: Moneta Porcupine mine [ext. abs.]: Structural Geology of Canadian Ore Deposits, A Symposium Arranged by a Committee of the Geology Division, Canadian Institute of Mining and Metallurgy, pp. 457–464.

Buffam, B.S.W., 1948b: Aunor mine [ext. abs.]: Structural Geology of Canadian Ore Deposits, A Symposium Arranged by a Committee of the Geology Division, Canadian Institute of Mining and Metallurgy, pp. 507–515.

Burrows, A.G., 1915: The Porcupine gold area: Ontario Bureau of Mines Annual Report, v. 24, pt. 3, 73 p., Map 24d.

Burrows, A.G., 1911: The Porcupine gold area: Ontario Bureau of Mines Annual Report, v. 20, pt. 2, 39 p., Maps 20e and 20f.

Burrows, D.R., Spooner, E.T.C., Wood, P.C., and Jemielita, R.A., 1993: Structural controls on formation of the Hollinger-McIntyre Au quartz vein system in the Hollinger shear zone, Timmins, southern Abitibi greenstone belt, Ontario: Economic Geology, v. 88, pp. 1643–1663.

Burt, P., 2018: A Geological Compilation of Mountjoy Township, Timmins for Central Timmins Exploration Corp. An unpublished report prepared by Burt Consulting Services, 11 p.

Buss, L.M., 2010: Diamond Drill Program on the Dayton-Racetrack Property, Timmins, Ontario, NTS 42A6, Deloro-Ogden Townships, 14p. An unpublished report prepared for Claim Post Resources Inc.

Cain, M.J., 2011a: EM Interpretation Report, Geotem Airborne Electromagnetic and Magnetic Survey, Dayton-Racetrack. A report prepared by Fugro Airborne Surveys for Claim Post Resources Inc., 18 p.

Cain, M.J., 2011b: Faymar Property, Ontario. EM Interpretation Report, Geotem Airborne Electromagnetic and Magnetic Survey. Job No. 10410. A report prepared by Fugro Airborne Surveys for Goldstone Resources, Inc., 21p.

Cameron, E.M., 1993: Precambrian gold: Perspectives from the top and bottom of shear zones: Canadian Mineralogist, v. 31, pp. 917–944.

Campbell, R.A., 2014: Controls on syenite-hosted gold mineralization in the Western Timmins camp: Unpublished M.Sc. thesis, London, Ontario, University of Western Ontario, 143 p.

Cargill, D.G., 2008: Kamiskotia Property. A technical report prepared for Claim Post Resources Inc.,72p.

Carter, O.F., 1948: Coniaurum mine [ext. abs.]: Structural Geology of Canadian Ore Deposits, A Symposium Arranged by a Committee of the Geology Division, Canadian Institute of Mining and Metallurgy, pp. 497–503.

Chamois, P., 2018: Technical Report on the Central Timmins Project, Cochrane District, Northwestern Ontario, Canada, NI 43-101 Report – May 17, 2018, RPA Project #2952

Corfu, F., Krogh, T.E., Kwok, Y.Y., and Jensen, L.S., 1989: U-Pb zircon geochronology in the southwestern Abitibi greenstone belt, Superior Province: Canadian Journal of Earth Sciences, v. 26, pp. 1747–1763.

Daxl, H., 2008: Orientation Soil Sampling, Four Corners and Highway Gold Areas, Kamiskotia Project. A report prepared by Claim Post Inc., 8 p.

Daxl, H., 2007: Summary of Diamond Drill Holes of Winter 2006-2007, Kamiskotia Project – Four Corner Area. A report prepared for Claim Post Resources Inc.

Davies, J.F., 1977: Structural interpretation of the Timmins mining area, Ontario: Canadian Journal of Earth Sciences, v. 14, pp. 1046–1053.

Dubé, B., Mercier-Langevin, P., Ayer, J., Atkinson, B., and Monecke, T., 2017: Orogenic Greenstone-Hosted Quartz-Carbonate Gold Deposits of the Timmins-Porcupine Camp in Archean Base and Precious Metals Deposits, Southern Abitibi Greenstone Belt, Canada, editors Monecke, T., Mercier-Langevin, P., and Dubé, B., Society of Economic Geologists Inc. Reviews in Economic Geology, Volume 19, Chapter 2, pp. 51-76.

Dubé, B., and Gosselin, P., 2007, Greenstone-hosted quartz-carbonate vein deposits, in Goodfellow, W.D., ed., Mineral deposits of Canada: A synthesis of major deposit-types, district metallogeny, the evolution of geological provinces, and exploration methods: Mineral Deposits Division, Geological Association of Canada, Special Publication no. 5, pp. 49–73.

Dubé, B., and Gosselin, P., 2006: Greenstone-hosted Quartz-Carbonate Vein Deposits; Consolidation and Synthesis of Mineral Deposits Knowledge web site, Geological Survey of Canada (http://gsc.gc.ca/mindep/synth_dep/gold/greenstone).

Dunbar, W.R., 1948: Structural relations of the Porcupine ore deposits [ext. abs.]: Structural Geology of Canadian Ore Deposits, A Symposium Arranged by a Committee of the Geology Division, Canadian Institute of Mining and Metallurgy, pp. 442–456.

Elliott, W.J., 1987; Report on the Dayton Porcupine Mines Property, Deloro and Ogden Townships, Porcupine Mining Division, Ontario; unpublished Report; 19 p.

Ferguson, S.A., Buffam, B.S.W., Carter, O.F., Griffis, A.T., Holmes, T.C., Hurst, M.E., Jones, W.A., Lane, H.C., and Longley, C.S., 1968: Geology and ore deposits of Tisdale Township, District of Cochrane: Ontario Department of Mines Geological Report 58, 177 p.

Fugro, 2011: Faymar Property, Ontario. EM Interpretation Report, Geotem Airborne Electromagnetic and Magnetic Survey. Job No. 10410. A report prepared by Fugro Airborne Surveys for Goldstone Resources, Inc., 21p.

Furse, D., 1948: McIntyre mine [ext. abs.]: Structural Geology of Canadian Ore Deposits, A Symposium Arranged by a Committee of the Geology Division, Canadian Institute of Mining and Metallurgy, pp. 482–496.

Galley, A., Hannington, M. and Jonasson, I., 2006: Volcanogenic Massive Sulfide Deposits; Consolidation and Synthesis of Mineral Deposits Knowledge web site, Geological Survey of Canada.
(http://gsc.nrcan.gc.ca/mindep/synth_dep/vms/index_e.php.).

Grant, J., 1992: Geophysical Report for 944389 Ontario Inc. on the Lynx Property, Deloro Township, Porcupine Mining Division. Ontario Assessment File #2.15199.

Graton, L.C., McKinstry, H.E., and others, 1933: Outstanding features of Hollinger geology: Transactions of the Canadian Institute of Mining and Metallurgy, v. 36, pp. 1–20.

Gray, M.D., and Hutchinson, R.W., 2001: New evidence for multiple periods of gold emplacement in the Porcupine mining district, Timmins area, Ontario, Canada: Economic Geology, v. 96, pp. 453–475.

Griffis, A.T., 1968: McIntyre Porcupine Mines, Limited: Ontario Department of Mines Geological Report 58, pp. 122–130.

Griffis, A.T., 1962: A geological study of the McIntyre mine: Transactions of the Canadian Institute of Mining and Metallurgy, v. 65, pp. 47–54.

Hatch, H.B., 1937: Report on the Dayton Porcupine Mines Ltd., Deloro Township, Porcupine Mining Division; MNDMF assessment report AFRI # T-585, Timmins; 6 p.

Hathway, B., Hudak, G., and Hamilton, M.A., 2008: Geologic Setting of Volcanic-Associated Massive Sulfide Deposits in the Kamiskotia Area, Abitibi Subprovince, Canada. Economic Geology, v.103, pp. 1185-1202.

Heather, K.B., 1998, New insights on the stratigraphy and structural geology of the southwestern Abitibi greenstone belt: Implications for the tectonic evolution and setting of mineral deposits in the Superior Province: in The First Age of Giant Ore Formation: stratigraphy, tectonics and mineralization in the Late Archean and Early Proterozoic; Papers presented at the PDAC, pp. 63 - 101.

Heather, K.B., Percival, J.A., Moser, D., and Bleeker, W., 1995: Tectonics and metallogeny of Archean crust in the Abitibi – Kapuskasing-Wawa region: Geological Survey of Canada Open File 3141, 148 p.

Hinse, G.J., 1974: Kerr Addison Mines Ltd., Mountjoy Project "0-11", 15p.. Assessment Report. Ontario Assessment file #2.47086

Hodgson, C.J., 1983: The structure and geological development of the Porcupine Camp—a re- evaluation: Ontario Geological Survey Miscellaneous Paper 110, pp. 211–225.

Hodgson, C.J., 1982: Gold deposits of the Abitibi belt, Ontario: Ontario Geological Survey Miscellaneous Paper 106, pp. 192–197.

Holmes, T.C., 1968: Dome Mines Limited: Ontario Department of Mines Geological Report 58, pp. 82–98.

Holmes, T.C., 1964: Dome Mines Limited: Ontario Department of Mines Preliminary Report 1964-5, pp. 28–49.

Holmes, T.C., 1948: Dome mine [ext. abs.]: Structural Geology of Canadian Ore Deposits, A Symposium Arranged by a Committee of the Geology Division, Canadian Institute of Mining and Metallurgy, p. 539–547.

Holmes, T.C., 1944: Some porphyry-sediment contacts at the Dome mine, Ontario: Economic Geology, v. 39, pp. 133–141

Hurst, M.E., 1939: Porcupine area, District of Cochrane, Ontario: Ontario Department of Mines Annual Report, v. 47, Third Edition, Map 47a.

Jensen, K.A., 2004: Property Examination of the Four Corners Property of Patrick Gryba and Hermann Daxl in Robb, Turnbull, Jamieson and Godfrey Townships, District of Cochrane, Ontario. An unpublished report prepared for Patrick Gryba and Hermann Daxl.

Johnston, M., 2010: Report of Magnetic and VLF Electromagnetic Surveys on the Lynx Property, Deloro Township, Ontario, Porcupine Mining Division, Claim 4213578. A report prepared for San Gold Corporation.

Jones, W.A., 1968: Hollinger Consolidated Gold Mines Limited: Ontario Department of Mines Geological Report 58, pp. 102–115.

Kornik, W., 2012: Diamond Drilling Assessment Report, Lynx Project, Mining Claims 4213578 and 4217856. A report prepared for SGX Resources Inc., 19 p. Ontario Assessment Report #2.53257.

Kratochvil, M., and Dawson, D.J.W., 2006: Kamiskotia Project Geophysical Survey Logistical Report, Tuned Gradient/Insight Section Array Induced Polarization and Resistivity Surveys. A report prepared for Claim Post Resources Inc. by Insight Geophysics Inc., 16 p

Lane, H.C., 1968: Preston Mines Limited-Preston East Dome mine: Ontario Department of Mines Geological Report 58, pp. 143–151.

Langford, G.B., 1938: Geology of the McIntyre mine: American Institute of Mining and Metallurgical Engineers Technical Publication, v. 903, pp. 1–19.

Lapierre, K., 1992: Summary Report of the Lynx Property, Deloro Township, Porcupine Mining Division, Timmins, Ontario. OMIP #92-026. A report prepared for 944389 Ontario Inc., 26p. Ontario Assessment File #2.15199.

Lorsong, J., 1975: Stratigraphy and sedimentology of the Porcupine Group (Early Precambrian), northeastern Ontario: Unpublished B.Sc. thesis, Toronto, Canada, University of Toronto, 42 p.

Lydon, J.W. 1990: Volcanogenic Massive Sulphide Deposits Part 1: A Descriptive Model; in Roberts, R.G. and Sheahan, P.A., eds., Ore Deposit Models, Geoscience Canada, Reprint Series 3, pp. 145-154.

MacDonald, P.J., Piercey, S.J., and Hamilton, M.A., 2005: An integrated study of intrusive rocks spatially associated with gold and base metal mineralization in the Abitibi greenstone belt, Timmins area and Clifford Township: Discovery Abitibi Initiative: Ontario Geological Survey Open File Report 6160, 190 p.

Marmont, S., and Corfu, F., 1989: Timing of gold introduction in the Late Archean tectonic framework of the Canadian Shield: Evidence from U-Pb zircon geochronology of the Abitibi Subprovince: Economic Geology Monograph 6, pp. 101–111.

Marshall, I.B., and Schutt, P.H., 1999: A national ecological framework for Canada – Overview. A co-operative product by Ecosystems Science Directorate, Environment Canada and Research Branch, Agriculture and Agri-Food Canada.

Mason, R., Melnik, N., Edmunds, C.F., Hall, D.J., Jones, R., and Mountain, B., 1986: The McIntyre-Hollinger investigation, Timmins, Ontario: Stratigraphy, lithology and structure: Geological Survey of Canada Current Research 86-1B, pp. 567–575.

Mason, R., and Melnik, N., 1986: The anatomy of an Archean gold system - The McIntyre- Hollinger complex at Timmins, Ontario, Canada [ext. abs.]: Gold '86: An International Symposium on the Geology of Gold Deposits, Toronto, Canada, 1986, Proceedings Volume, pp. 40–55.

McAuley, J.B., 1983: A petrographic and geochemical study of the Preston, Preston West and Paymaster porphyries, Timmins, Ontario. Unpublished M.Sc. thesis, Sudbury, Ontario, Canada, Laurentian University, 118 p.

Meikle, R.J., 2015: Report on the Induced Polarization Survey on the Lynx Property, Deloro Township, Porcupine Mining Division, Mining Claim 4213578. A report prepared by R.J. Meikle & Associates for Wade Kornik and Pierre Robert, 11 p. Ontario Assessment Report #2.55932.

Melnik-Proud, N., 1992: The geology and ore controls in and around the McIntyre mine at Timmins, Ontario, Canada: Unpublished Ph.D. thesis, Kingston, Ontario, Canada, Queen's University, 353 p.

Moore, E.S., 1954: Porphyries of the Porcupine area, Ontario: Transactions of the Royal Society of Canada, v. 48, Series III, pp. 41–57.

Moritz, R.P. and Crocket, J.H., 1991: Hydrothermal wall-rock alteration and formation of the gold-bearing quartz-fuchsite vein at the Dome mine, Timmins area, Ontario, Canada: Economic Geology, v. 86, pp. 620–643.

Moritz, R.P., and Crocket, J.H., 1990: Mechanics of formation of the gold-bearing quartz- fuchsite vein at the Dome mine, Timmins area, Ontario: Canadian Journal of Earth Sciences, v. 27, pp. 1609–1620.

Nadeau, S., 2018: Review of the 2017 MMI Data with the 2010 MMI Data of Claim Post Resources Inc. in the Timmins Area for Future Follow-Up Work. An unpublished PowerPoint presentation prepared for Central Timmins Exploration Corp.

Nadeau, S., 2016: Review of the MMI Data of Claim Post Resources Inc. in the Timmins Area for Future Follow-Up Work. An unpublished PowerPoint presentation prepared for Claim Post Resources Inc.

Nadeau, S., 2011: Report on MMI Soil Geochemical Surveys Performed by Claim Post Resources Inc. in the Timmins Area, Ontario, Canada, 60 p.

Pawluk, C., 2010a: Gradient and Insight Section Array Induced Polarization/Resistivity Surveys, Dayton Porcupine Project. A report prepared for Claim Post Resources Inc. by Insight Geophysics Inc., 14 p.

Pawluk, C., 2010b: Geophysical Survey Logistical Report, Gradient and Insight Section Array Induced Polarization/Resistivity Surveys, McLaren Project. A report prepared by Insight Geophysics Inc. for Claim Post Resources Inc., 14 p.

Ploeger, C.J., 2012: Magnetometer and VLF Surveys over the Deloro Property, Deloro Township, Ontario. A report prepared by Larder Geophysics Ltd. for Mexivada Mining Corp., 6 p. Ontario Assessment Report 2.51176.

Poulsen, K.H., Robert, F., and Dubé, B., 2000: Geological classification of Canadian gold deposits: Geological Survey of Canada Bulletin 540, 106 p.

Pressacco, R., Coad, P., Gerth, D., Harvey, P., Kilbride, B., O'Connor, B., Penna, D., Simunovic, M., Tyler, R.K., and Wilson, S., 1999: Special project: Timmins ore deposit descriptions: Ontario Geological Survey Open File Report 5985, 189 p.

Pyke, D.R.,1982: Geology of the Timmins area, District of Cochrane: Ontario Geological Survey Report 219, 141 p

Robert, F., Poulsen, K.H., Cassidy, K.F., and Hodgson, C.J., 2005: Gold metallogeny of the Superior and Yilgarn cratons: Economic Geology 100th Anniversary Volume, pp. 1001–1033.

Robert, F., and Poulsen, K.H., 1997: World-class Archaean gold deposits in Canada: An overview: Australian Journal of Earth Sciences, v. 44, pp. 329–351.

Robert, F., 1990: Structural setting and control of gold-quartz veins of the Val d'Or area, southeastern Abitibi Subprovince, in Ho, S.E., Robert, F., and Groves, D.I., eds., Gold and base-metal mineralization in the Abitibi Subprovince, Canada, with emphasis on the Quebec segment, Short Course Notes, University of Western Australia, Publication No. 24, pp. 167–209.

Roberts, R.G., 1981: The volcanic-tectonic setting of gold deposits in the Timmins area, Ontario: Ontario Geological Survey Miscellaneous Paper 97, pp. 16–28.

Robinson, D., 2004; Magnetic Survey Mapping, Stripping & Blasting, Ogden Property for Grant Forest Products Corp.; MNDMF assessment report AFRI # T-4992, Timmins; 21 p.

Rogers, D.S., 1982: The geology and ore deposits of the No. 8 Shaft area, Dome mine, in Hodder, R.W., and Petruk, W., eds., Geology of Canadian gold deposits, Canadian Institute of Mining and Metallurgy Special Volume 24, pp. 161–168.

Roth, J., and Jagodits, F.L., 2018: Re-evaluation of IP/Resistivity, Magnetic and VLF Data on the Lynx Claim, Deloro Twp. A report prepared by Stratagex Ltd. for Central Timmins Exploration Corp.

Sangster, D.F., 1977: Some grade and tonnage relationships among Canadian volcanogenic massive sulphide deposits; GSC Report of Activities, Paper 77-1A, pp. 5-12

Sangster, D.F., 1972: Precambrian volcanogenic massive sulphide deposits in Canada – a review; GSC Paper 72-22, 44 p.

Sharp, B., 2007: Magnetic and EM Interpretation, Airborne Magnetic and Megatem Survey, Kamiskotia Property, Ontario. A report prepared by Fugro Airborne Surveys for First Metals Inc., 41 p.

Shives, R.B.K., Charbonneau, B.W., and Ford, K.L., 2000: The detection of potassic alteration by gamma-ray spectrometry – Recognition of alteration related to mineralization. Geophysics 65 (6).

Snyder, D.B., Bleeker, W., Reed, L.E., Ayer, J.A., Houlé, M.G., and Bateman, R., 2008: Tectonic and metallogenic implications of regional seismic profiles in the Timmins mining camp: Economic Geology, v. 103, pp. 1135–1150.

Snyder, D.B., Percival, J.A., Easton, R.M., and Bleeker, W., 2004: The 11th International Symposium on Deep Seismic Profiling of the Continents and their Margins, Mont Tremblant, Quebec, Canada, Post-conference field excursion guide, 2–5 October 2004. LITHOPROBE Report 85, 55 p.

Storer, J.W., 1936: Report on Properties of Vortex Deloro Gold Mines, Deloro Township, Porcupine Mining Division; MNDMF assessment report AFRI # T-585, Timmins; 4 p

Appendix A

CTEC Drill Holes M4-19-01, 02 and 03 Drill Logs

CENTRAL TIMMINS EXPLORATION CORPORATION
DIAMOND DRILLING GEOLOGY LOG SHEET

HOLE ID M4-19-01
PROJECT MOUNTJOY-JAGUAR DR
PURPOSE Exploration

	COORDINATES				
	EASTING	NORTHING	RL	AZI	DIP
PROPOSED					
ACTUAL	468970	5373484	283	200	-45
RIG ID					
DRILLER	SMP				

DRILLING	START	END
DATE	8-Apr-19	12-Apr-19
DEPTH	0	489
BIT		
SIZE	NQ	NQ

DOWNHOLE SURVEY

	DEPTH	AZI	DIP	MAG	INSTRUMENT
1	51	201.6	-45.7	56125	Survey Tech
2	102	203.5	-47.3	56150	Survey Tech
3	153	202.8	-47.4	56193	Survey Tech
4	204	202.8	-47.4	56253	Survey Tech
5	255	202.4	-47.4	56156	Survey Tech
6	306	199.3	-47	56177	Survey Tech
7	357	197.2	-46.7	56229	Survey Tech
8	408	197.2	-46.7	54114	Survey Tech
9	459	197.1	-46.9	56227	Survey Tech

	NAME	DATE
Logged By	RMP	Apr 2019
Relogged By		
Checked By		
Rechecked By		
Page		

ASSAY CERTIFICATES

Actlabs		
from	**to**	**Cert. #**
28801	29000	A19-05532

DEPTH		ROCK DESCRIPTIONS																						COMMENTS	VEINING							ASSAYS												
					Color			Alteration		Minerals															Depth			Infill Minerals				Interval		Sample										
From	To	Rock Unit	Lithology1	Texture	Intensity	Color1	Color2	Altn_Type	Altn_Int	Min1			Min2			Min3			Min4					From	To	Vein_Type	Min1	Min2	Min3	Vein_Style	From_m	To_m	No	Au_ppb	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm	Remarks						
										Min	%	Mode	Min	%	Mode	Min	%	Mode	Min	%	Mode																									
0.00	20.00	OVB	OVB																					33.52	33.53	QVN	py	cpy		CHD	26.00	27.50	28801	<5	18.7	33	< 2	74							
20.00	26.00	GST	GST	MAS	dk	gry																		Blocky, unaltered, graywacke sediments	33.86	33.87	MSS	py	cpy		CHD	33.00	34.00	28802	<5	0.6	203	< 2	68							
26.00	27.55	SHR	GST		dk	gry																		Graywacke, broken core, locally vuggy texture.	34.00	34.01	QVN	py	cpy		CHD	34.00	35.00	28803	<5	0.6	173	< 2	78							
27.55	33.52	GST	GST	MAS	dk	gry																			36.40	36.45	QVN	chl			COM	35.00	36.00	28804	<5	17.5	23	< 2	43							
33.52	35.25	GST	GST		dk	gry				py	0.5	ff	cpy	0.5	ff								Graywacke near contact with porphyry. Dark sulfidic fractures containing trace py-cpy. Qtz-sulphide vein at 33.52m	38.50	38.60	QVN	py			COM	36.00	37.00	28805	<5	< 0.2	8	< 2	26							
35.25	42.70	POR	POR		lt	grn				py	0.5	ff							hem	0.5	ff		Massive, greenish gray, trace sulphides, few quartz veins at 35.40m, 36.40m, 36.50m and 38.50m	44.70	44.71	QVN	py			CHD	37.00	38.00	28806	<5	< 0.2	12	< 2	31							
42.20	45.00	GST	GST		dk	gry				py	0.5	ff											Graywacke near contact with porphyry. Locally vuggy, trace sulphides. Qtz-sulphide vein at 44.70m	53.55	53.57	QVN	py			CHD	38.00	39.00	28807	<5	1.1	17	< 2	27							
45.00	51.50	GST	GST	MAS	dk	gry																			53.80	53.83	QPA	py			CHD	39.00	40.00	28808	<5	< 0.2	16	< 2	56							
51.51	52.10	FTZ	SLA	ITB	dk	gry	blk																	Broken core, contact with graywacke., local quartz vein fragments	57.35	57.38	QPA	py			CHD	40.00	41.00	28809	<5													
52.10	58.60	SLA	GST	ITB	dk	gry	blk			py	0.5	ff											Alternating layers of slate/argillite and graywacke, local shear controlled/quartz veins at 53.55m, 53.80m, 57.35m,, 57.85m,	57.85	57.86	QVN	py			CHD	41.00	42.00	28810	<5													
58.60	59.80	FTZ	SLA	BRX	dk	gry	blk			py	0.5	ff											Highly broken core. Shear zone,	61.10	61.12	QPA	py	cpy		CHD	42.00	43.00	28811	<5													
59.80	61.00	GST	SLA	ITB	dk	gry				py	0.5	ff	cpy	0.5	ff								Graywacke. Dark sulfidic fractures containing trace py-cpy. Qtz-sulphide vein with py-cpy at 61.10m	73.30	73.33	QBX	py				43.00	44.00	28812	<5													
61.00	70.00	GST	SLA	ITB	dk	gry																			76.50	76.51	QVN	py			CHD	44.00	45.00	28813	<5													
71.00	69.00	FTZ	SLA	BRX	dk	gry	blk																	Highly broken core. Shear zone,	87.30	87.32	QVN	py			CHD	50.00	51.00	28814	<5													
69.00	70.70	GST	SLA	ITB	dk	gry																			151.00	151.70	QVN	py	cpy		CHD			28815	991	< 0.2	49	5	54	STANDARD						
70.70	71.50	FTZ	SLA	BRX	dk	gry																		Highly broken core. Shear zone,	176.17	176.18	QVN	py			CHD	51.00	52.30	28816	5													
71.50	77.50	GST	SLA	ITB	dk	gry																		Shear controlled quartz vein 73.3m and 76.50m	208.19	208.20	QVN	py			CHD	52.30	53.70	28817	<5													
77.70	78.00	FTZ	SLA	BRX	dk	gry																		Highly broken core. Shear zone,	235.55	235.57	QVN	py			CHD	53.70	55.00	28818	<5													
78.00	82.80	GST	SLA	ITB	dk	gry																			227.10	227.13	QVN	py			CHD	55.00	56.00	28819	<5													
82.80	83.50	FTZ	SLA	BRX	dk	gry																		Highly broken core. Shear zone,	228.90	228.92	QVN	py	cpy		CHD			28820	5												BLANK	
83.50	91.60	GST	SLA	ITB	dk	gry																		Graywacke, minor argillite/slate. Quartz vein at 87.30m	228.95	228.96	QVN	py	cpy	chl	CHD	56.00	57.00	28821	<5													
91.60	91.80	POR	FTZ	POR	lt	gry																		Broken porphyry rocks, shear zone.	229.60	229.64	QVN	py	cpy	chl	CHD	57.00	58.00	28822	<5													
91.80	93.00	FTZ	SLA	BRX	dk	gry																		Highly broken core. Shear zone,	230.70	230.80	QVN	py	chl		COM	58.00	59.00	28823	<5													
93.00	94.10	GST	SLA	ITB	dk	gry																			231.32	231.39	QVN	py	chl		COM	59.00	60.00	28824	<5													
94.10	94.30	FTZ	SLA	BRX	dk	gry																		Highly broken core. Shear zone,	231.51	231.52	QVN	py	cpy		COM	60.00	61.00	28825	<5	< 0.2	117	< 2	70							
94.50	114.17	GST	SLA	ITB	dk	gry																		Massive, black sediments. Visible laminations and beddings. Local pyrite along bedding planes. No quartz veinis	231.81	231.83	QVN	py	cpy		COM	61.00	61.50	28826	<5	< 0.2	121	< 2	72							
114.17	118.40	SLA	GST	ITB	dk	gry				py	0.5	ff											Argillite/slate, minor graywacke, trace pyrite in bedding planes	232.92	233.10	QVN	py	cpy	to	CHD	61.50	62.50	28827	<5	7	79	< 2	70							
118.40	119.20	FTZ	GST	BRX	dk	gry																		Broken core, shear zone?	233.65	233.67	QVN	py	chl		COM	62.50	63.50	28828	<5													
119.20	141.70	GST	SLA	ITB	dk	gry																		Argillite/slate, minor graywacke. Local E-W trend, lamination features within the SLA. Quartz-carbonate vein at 122.78m and 140.79m. Bedding planes at 127.27m, 128.69m, 130.74m, 139.45m and 141.24m,	233.00	233.08	QVN	py	chl		COM	63.50	64.50	28829	<5													
141.70	146.00	POR	AND	POR	lt	gry		SIL	0.5														Lt gray, fine to medium grained, massive, locally porphyritic in places, andesite porphyry.	234.00	234.15	QVN	py	chl		COM	64.50	65.00	28830	<5													
146.00	151.00	GST	SLA	ITB	lt	gry																		Congrlomerate? calcareous matrix, foliated texture, trace of pyrite. Possible shear zone. Foliation trends at151.41m and 151.43m.	234.60	234.69	QVN	py	chl	to	CHD	65.00	66.00	28831	<5													
151.00	151.70	CGL	SHR	FOL	lt	gry		CAB	0.5	py	0.5	dis													236.55	237.00	QVN	py	chl	to	COM	76.40	76.90	28832	<5													
151.70	152.67	QVN	GST	MAS	lt	wht		SIL	2	py	2	dis/ff											Quartz-chlorite vein, trace of diss /fracture fill pyrites up to 1%. Orientation suggest it is a NE-SW trending, SE moderate dipping vein. Fracture fill to semi-massive pyrites in veins	237.46	237.47	QVN	py			CHD	78.50	80.00	28833	6													
152.67	164.20	GST	SLA	ITB	lt	gry																		Massive graywacke, minor argillites, laminations bedding features at 152.91m, 154.41m, 17 158.74m and 158.76m.	246.23	246.25	QVN	py			CHD	91.60	93.10	28834	5													
164.20	164.40	CGL	GST	MGR	dk	gry				py	0.5	dis											Conglomerate? Medium grained, Foliated with trace disseminations of pyrite	246.80	246.82	QVN	py			CHD	111.00	112.50	28835	<5													
164.40	178.78	GST	CGL	ITB	lt	gry																		Graywacke, minor argillite, conglomerate. Quartz-pyrite vein at 176.17m	249.10	249.15	QVN	py			COM	118.80	119.50	28836	5													
178.78	180.46	SLA	SLA	ITB	lt	gry																			256.10	256.20	QVN	py			COM	139.30	140.70	28837	6													
180.46	191.22	GST	SLA	ITB	lt	gry																		Interbeds of graywacke and minor argillite. Very dark to black slates in places. Bedding contacts at 183.07m.	261.20	261.24	QVN	py			CHD	140.70	141.50	28838	5													
191.22	195.52	POR	AND	MAS	lt	gry		SIL	0.5														Lt gray, fine to medium grained, massive, porphyritic andesite. Quartz vein at 195.54m.	263.80	263.83	QVN	py			CHD	141.50	142.70	28839	<5													
195.52	201.20	GST	CGL	ITB	lt	gry																		Graywacke, minor argillite, conglomerate.	268.35	268.38	QVN	py			CHD			28840	944												STANDARD	
201.20	203.30	DKE	SLA	MAS	dk	blk		SIL	1	py	2	dis											Massive, black, fine grained, magnetic rock with 2-3% fine pyrite disseminations in the matrix. Orientation suggest a NE-SW trend structure	280.15	280.18	QVN	py			CHD	142.70	143.80	28841	6													
203.30	212.20	GST	SLA	ITB	lt	gry																		Interbeds of graywacke and minor argillite.Bedding contacts at 204.73m, 206.01m, 207.29m, 208.55m, 208.89m (CGL), 209.54m (CGL) and 211.31m. Quartz Vein at 208.19m	286.70	286.71	QVN	sph	cpy	py	CHD	143.80	145.00	28842	<5													
212.20	221.00	POR	POR	POR	lt	gry																		Irregular contact between andesitic porphyry,gray, massive.	287.60	287.61	QVN	py	cpy		CHD	145.00	146.30	28843	<5													
221.00	221.26	GST	GST	MAS	lt	gry																		Orientation suggest an NW-SE trend contact with sediments	288.75	288.76	QVN	py			CHD	146.30	147.80	28844	5													
221.26	221.97	POR	POR	POR	lt	gry		SIL	0.5																288.75	288.76	QVN	py			CHD			28845	<5												BLANK	
221.97	221.06	SLA	SLA	MAS	lt	gry																			292.70	292.71	QVN	py			CHD	151.60	152.80	28846	<5													
221.06	222.17	POR	POR	POR	lt	gry	grn	SIL	0.5														Porphyry body, gray to greenish, intertounging with sediments? Sill?	292.80	292.81	QVN	py			CHD	187.50	188.00	28847	<5													
222.17	224.45	GST	SLA	ITB	lt	gry		SIL	0.5	py	0.5	dis											Disseminations of euhedral pyrite in places. Weak carbonate veins	293.40	293.41	QVN	py	cpy		CHD	189.70	191.20	28848	<5													
224.50	224.55	SHR	POR	POR	lt	grn		SIL	1	py	1	dis											Silicified pyritic, shear zone	299.16	299.17	QVN	py	cpy		CHD	191.20	192.70	28849	<5													
224.55	224.95	POR	POR	POR	lt	gry	grn	SIL	0.5	py	0.5	dis													299.20	299.21	QVN	py	cpy		CHD	192.70	194.20	28850	<5													
224.95	229.60	GST	SLT	ITB	lt	gry		SIL	0.5	py	0.5	dis/ff											Interbeds of graywacke and argillite/slate, disseminated py, some subhedral-euhedral grains, few deformed NW-SE and E-W trend, chalcedonic qtz-carb veins at 225.55m, 227.1m, 227.85m, 228.9m, 228.95m,	301.27	301.40	QVN	py	po		COM	194.20	195.70	28851	<5													
229.60	232.92	POR	POR	POR	lt	gry	grn	SIL	0.5	py	0.5	dis											Multiple, NW-SE trending, qtz-carbonate veinlets at 229.6m, 230.70m, 230.80m, 231.32m, 231.51m, 231.81m,	306.60	306.61	QVN	py			CHD	195.70	197.30	28852	<5													
232.92	223.30	QVN	POR	MAS	lt	gry		SIL	3	py	1	dis/ff				to	0.5	ff					Massive, quartz-tourmaline-chlorite vein with trace diss/ff sulphide	306.90	306.91	QVN	py			CHD	197.30	198.30	28853	<5													
223..3	236.55	POR	POR	POR	lt	gry	grn	SIL	0.5	py	0.5	dis											E-W trending, qtz-carbonate veinlets up to 10cm wide at 223.65m, 233.75m, 234m, 234.6m,	309.84	309.85	QVN	py			CHD	200.60	201.50	28854	5													
236.55	237.00	QVN	POR	MAS	lt	gry		SIL	3	py	1	dis/ff				to	0.5	ff					Massive, E-W trending quartz-tourmaline-chlorite vein with diss/fracture fill sulphide	313.35	313.36	MSS	py	po			201.50	202.50	28855	7													
237.00	239.85	POR	POR	POR	lt	gry	grn	SIL	0.5	py	0.5	dis											Qtz-carbonate vein at 237.46m	316.10	316.18	QVN	py	po		CHD	202.50	203.50	28856	7													
239.85	243.65	SLA	GST	ITB	dk	gry	blk			py	1	dis/ff											Disseminated to fracture filling pyrite (MSS)	316.75	317.40	QVN	py	po	cpy	CHD	203.50	205.00	28857	5													
243.65	250.70	POR	POR	MAS	lt	gry				py	0.5	dis											White colored, quartz-carbonate vein at 246.23m, 246.80m, 249.1m. Orientation suggest and E-W trend veins	319.04	319.06	QVN	py	chl		CHD	210.70	212.20	28858	7													
250.70	255.80	GST	SLA	ITB	lt	gry	blk			py	1	dis/ff											Sulphides up to 1% is associated within the dark, fine grained rocks at or near bedding/lithology contacts	318.25	318.27	QVN	py	chl		CHD	212.20	213.70	28859	5													
255.80	258.20	POR	QVN	MAS	lt	gry		CAB	0.5	py	0.5	dis											Foliation,shear features near contact with sediments	318.87	318.90	QVN	py	chl		CHD	213.70	215.20	28860	5													
258.20	260.13	SHR	SLA	BRX	dk	gry	blk	CAB	0.5	py	1	dis/ff											Broken core, disseminated to fracture fill pyrite up to 1%.	319.05	319.07	QVN	py	chl		CHD	215.20	216.70	28861	7													
260.13	263.10	POR	QVN	MAS	lt	gry		CAB	0.5	py	0.5	dis											Qtz-carb-pyrite chalcedonic vein along LCA. Disseminated to fracture fill sulfides common.	319.25	319.26	QVN	py	chl		CHD	216.70	218.20	28862	6													
263.10	263.60	SHR	SCH	FOL	lt	gry		CAB	0.5	py	0.5	dis													321.63	321.66	QVN	py	chl		CHD	218.20	219.70	28863	9													
263.60	268.00	SCH	GST	FOL	lt	gry		CAB	0.5	py	0.5	dis											Qtz-carbonate-sulphide vein at 203.8m	322.10	322.20	QVN	py	chl		CHD	219.70	221.00	28864	6													
268.00	286.00	SLA	GST	ITB	lt	gry	blk	CAB	0.5	py	0.5	dis/ff											Interbeds of graywacke and argillite/slate, trace disseminated pyrite, some subhedral-euhedral grains, few carbonate veins at 268.35m, 280.15m, 281.35m. Beds at 279.20m and 280.3m.	322.60	322.72	QVN	py	chl		COM	221.00	222.20	28865	6													
286.00	300.20	GST	SLA	ITB	lt	gry		CAB	0.5	py	0.5	dis	cpy	1	ff	sph	1	ff					Interbeds of graywacke and argillite/slate, trace disseminated pyrite,chalcopyrite and shalerite. E-W trending, centimeter size, quartz veins at 286.68m (sph-cpy-py), 287.6m(py-cpy), 288.37m, 288.75m, 292.70m, 292.8m, 293.40m (py-cpy), 299.16m (py-cpy), 299.20m (py-cpy). Beds at 297.15m and 298.23m.	324.25	324.27	QVN	py	chl		CHD	222.20	223.50	28866	<5													
300.20	302.10	POR	QVN	POR	lt	gry	wht	SIL	2	py	0.5	dis											NW-SE trend, 10cm wide, quartz vein at 301.27m. Trace sulphides	324.30	324.32	QVN	py	chl		CHD	223.50	224.40	28867	6													

302.10	316.10	SLA	GST	ITB	dk	gry	blk	SIL	2	py	3	dis/ff							po	0.5	dis	Dark alternating layers of graywacke, graphitic argillite showing laminations at 312.60m. Quartz-carbonate veins at 306.60m, 306.90m and 309.94m. Fine to large aggregates of pyrite (up to 3%) with trace pyrrhotite along beddding planes and fractures.	324.40	324.42	QVN	py	chl		COM	224.40	225.00	28868	6					
316.10	316.20	QVN	QVN	MAS	lt	wht		SIL	2	py	1	dis/ff							po	0.5	dis	Gray, chalcedonic quartz-sulphide vein at the contact of sediments and porphyry.	324.60	324.67	QVN	py	chl		COM	225.00	226.50	28869	7					
316.20	316.75	POR	POR	MAS	lt	gry		SIL	1	py	0.5	dis										Porphyry, clast-suppoirted, white to light gray cut by deformed quartz-chlorite-sulphide vein	330.50	330.51	QVN	py			CHD	226.50	228.00	28870	11					
316.75	317.40	QVN	QVN	MAS	lt	wht		SIL	2	py	0.5	dis/ff							po	0.5	dis	Gray, chalcedonic quartz-sulphide vein containing pyrite-pyrrhotite and trace chalcopyrite.	333.80	333.81	QVN	py			CHD	228.00	229.50	28871	9					
317.40	319.30	POR	POR	MAS	lt	gry		SIL	1	py	0.5	dis										Porphryry cut by multiple subparallel, chalcedonic, quartz-carbonate-chlorite vein at 319.04m, 318.25m, 318.32m, 318.87m, 319.05m and 319.25m.	339.60	339.61	QVN	py	po		CHD	229.50	230.50	28872	7					
319.30	322.70	SLA	GST	ITB	dk	gry	blk	SIL	2	py	1	dis/ff							po	0.5	dis	Quartz-carbonte vein at 321.63m following LCA.	339.68	339.70	QVN	py	po		CHD	230.50	232.00	28873	6					
322.70	326.35	POR	POR	MAS	lt	gry		SIL	1	py	1	dis/ff							po	0.5	dis	Porphyry, light gray, silicified, cut by sheeted veins at 322.1m, 326.6m, 324.25m, 324.30m, 324.4m324.6m and 324.73m. Orientation line suggest that the veining follow an E-W and NW-SE trend	340.20	340.22	QVN	py	po		CHD	232.00	232.80	28874	6					
326.35	334.07	SLA	GST	ITB	dk	gry	blk	SIL	2	py	2	dis/ff							po	0.5	dis	Interbedded sediments, some narrow conglomerate feature. Abundant dark, sulphide bearing hairline veinlets (stylolithic). Fine to coarse aggregates of pyrite-pyrrhotite to few semi massive varieltes. Weak veining. Bedding at 329.27m and 330.30m. Foliation lines at 332.10m, 332.75m and 333.10m.	340.35	340.37	QVN	py	po		CHD			28875	974					STANDARD
334.07	338.30	POR	POR	POR	lt	gry		SIL	1	py	1	dis/ff							po	0.5	dis	Gray, porphyry up to 5mm qtz-feldspar phenocryst, silicified. Weak veining at 336.37m and 338.13m.	341.25	341.26	QVN	py	po		CHD	232.80	233.90	28876	7	< 0.2	1	2	32	
338.30	349.00	SLA	GST	ITB	dk	gry	blk	SIL	2	py	2	dis/ff							po	1	dis	Dark alternating layers of graywacke, graphitic argillite showing laminations. Quartz-carbonate veins at 339.25m, 339.6m, 339.68m, 340.2m, 340.35m, 341.25m, 341.65m and 343m. Fine to large aggregates of pyrite (up to 2%) with pyrrhotite along beddding planes and fractures. Bedding contacts at 341.98m and 342.6m	341.65	341.67	QVN	py	po		CHD	233.90	234.40	28877	8	< 0.2	< 1	< 2	28	
349.00	365.00	GST	SLA	ITB	dk	gry		SIL	2	py	3	dis/ff	cpy	1	ff	sph	1	ff	po	2	dis	Graywacke, minor argillite, broken cores in places. Epidote/chlorite in fractures. Fine dissemination of pyrite, pyrrhotite, some speck of chalcopyrite and sphalerite in quartz-carbonate veins at 349.9m, 352m, 353.4m and 353.8m.	343.00	343.03	QVN	py	po		CHD	234.40	235.20	28878	8	< 0.2	< 1	< 2	27	
365.00	365.65	SHR	QVN	MAS	dk	gry		SIL	2	py	3	dis/ff	cpy	1	ff	sph	1	ff	po	2	dis	Shear controlled quartz vein with pyrite-pyrrhotite-chalcopyrite assemblage.	349.90	349.91	QVN	py	cpy	sph	CHD	235.20	236.50	28879	7	< 0.2	< 1	< 2	33	
365.65	370.20	SLA	GST	ITB	dk	gry		SIL	2	py	3	dis/ff	cpy	0.5	ff				po	2	dis		352.00	352.01	QVN	py	cpy		CHD			28880	7					BLANK
370.20	413.00	DKE	DKE	MAS	dk	grn	gry			py	1	dis/ff							po	1	dis	Massive, blocky, gray to greenish, highly magnetic cut by few carbonate veins at 372.82m and 373.25m. Matrix peppered by pyrrhotite and trace pyrite up to 1%.	353.40	353.42	QVN	py	cpy		CHD	236.50	237.20	28881	7	< 0.2	< 1	< 2	9	
413.00	423.20	SLA	GST	ITB	dk	gry		SIL	1	py	1	dis/ff	cpy	0.5	dis				po	1	dis	Graywacke, minor argillite, broken cores in places. Fine dissemination of pyrite, pyrrhotite, some speck of chalcopyrite in E-W trending, quartz-carbonate veins at 420m and 423m. Deformed, stockworks to sheeted, carbonate veins with trace sulphides at 413.5m, 418.9m, 419.10m, 419.2m, 419.23m, 419.3m, 419.4m, 419.65m, 420m, 420.5m, 420.68m, 420.76m, 420.81m, 420.94m, 421m and 421.27m	353.80	353.81	QVN	py	po		CHD	237.20	238.50	28882	6	0.9	< 1	< 2	38	
423.20	423.30	SHR	SCH	BRX	lt	gry		SIL	1	py	2	dis/ff				hem	0.5	ff	po	1	dis	Shear zone, greenish, chloritic, pyritic with reddish brown hematite.	365.00	365.65	QBX	py	po		CHD	238.50	239.80	28883	7					
423.30	429.10	SLA	GST	ITB	dk	gry		SIL	1	py	1	dis/ff	cpy	0.5	dis				po	1	dis	Speck of pyrite, chalcopyrite in E-W trending, quartz-carbonate veins at 423.74. Carbonate veinlets at 423.85m, 427.1m and 427.83m,	413.50	413.51	QVN	py	po		CHD	239.80	241.20	28884	8					
429.10	429.30	DKE	GST	MAS	dk	blk	gry			py	1	dis							po	3	dis	Dark, black magnetite dike at 429.1m, 429.2m and 429.55m.	413.55	423.56	QVNZ	py	po		CHD	241.20	242.30	28885	5					
429.30	445.16	GST	SLA	ITB	lt	gry	grn			py	0.5	dis							po	1	dis	Quartz-carbonate veins at 430.2m, 430.8m, 431.1m, 433.5m (breccia), 435m (Breccia), 435.95m, 439.17m and 442.34m,	418.90	418.95	QVN	py	po		CHD	242.30	243.70	28886	6					
445.16	445.50	SHR	QVN	BRX	lt	gry	grn			py	0.5	dis							po	1	dis	Shear controlled quartz vein with pyrite-pyrrhotite assemblage. Schistose texture. Quartz-sulphide vein at 445.4m.	419.10	419.12	QVN	py	po		CHD	243.70	245.20	28887	6					
445.50	462.00	GST	SLA	ITB	lt	gry	grn			py	0.5	dis							po	1	dis	Graywacke, minor argillite. Fine dissemination of pyrite, pyrrhotite. Weak, quartz-carbonate veining at 448.1m, 452.35m, 454.07m, 457.85m, 457.95m, 458.85m, 459.41m, 459.57m. Beddings at 452.1m, 460.82m and 462.04m.	419.21	419.22	QSV	py	po		CHD	245.20	246.70	28888	6					
462.00	486.10	SLA	GST	ITB	lt	gry	grn	SIL	1	py	1	dis/ff							po	1	dis	Graywacke, minor argillite and graphitic layers. Fine dissemination of pyrite, pyrrhotite. Weak, quartz-carbonate veining at 470.45m, 470.50m and 478.80m. Beddings at 464.25m, 464.9m, 465.4m, 465.6m, 470.3m, 473.4m, 476.3m, 477.85m and 485.85m.	419.23	419.24	QSV	py	po		CHD	246.70	248.20	28889	5					
486.10	486.20	POR	SHR	POR	lt	gry		SIL	1	py	2	dis/ff							po	1	dis	Narrow, porphyry rock in contact with silicifed, pyritic argillite/slate, broken core (Shear zone)	419.40	419.41	QSV	py	po		CHD	248.20	249.20	28890	5					
486.20	487.50	SHR	SLA	MAS	lt	gry		SIL	1	py	2	dis/ff							po	1	dis	Silicified, pyritic argillite/slate, broken core. Chlorite in fractures	430.20	430.21	QVN	py	po		CHD	249.20	250.80	28891	7					
487.50	489.00	GST	SLA	ITB	lt	gry	grn			py	0.5	dis							po	1	dis	Qtz vein at 488.25m and 488.40m. EOH	430.80	430.81	QVN	py	po		CHD	250.80	252.00	28892	9					
489.00	489.00	EOH																					431.10	431.12	QVN	py	po		CHD	252.00	253.40	28893	6					
																							433.70	433.80	QBX	py	po		CHD	253.40	254.80	28894	6					
																							434.98	435.00	QBX	py	po		CHD	254.80	255.80	28895	6					
																							435.95	435.96	QVN	py	po		CHD	255.80	257.00	28896	6					
																							442.34	442.35	QVN	py	po		CHD	257.00	258.20	28897	6					
																							445.16	446.18	QVN	py	po		CHD			28898	982					STANDARD
																							445.40	445.46	QVN	py	po		CHD	258.20	259.60	28899	6					
																							448.10	448.12	QVN	py	po		CHD	259.60	260.30	28900	7					
																							452.35	452.36	QVN	py	po		CHD	260.30	261.70	28901	6					
																							454.07	454.08	QVN	py	po		CHD	261.70	262.80	28902	5					
																							457.85	457.86	QVN	py	po		CHD			28903	5					BLANK
																							457.95	457.96	QVN	py	po		CHD	262.80	263.30	28904	6					
																							458.35	459.37	QVN	py	po		CHD	263.30	264.00	28905	6					
																							459.41	459.42	QVN	py	po		CHD	264.00	264.80	28906	6					
																							459.57	459.58	QVN	py	po		CHD	264.80	266.00	28907	7					
																							456.52	456.53	QVN	py	po		CHD	266.00	267.00	28908	7					
																							470.45	470.47	QVN	py	po		CHD	273.00	274.00	28909	8					
																							470.80	470.81	QVN	py	po		CHD	276.40	277.60	28910	5					
																														279.80	280.30	28911	5					
																														285.50	286.50	28912	6	< 0.2	40	4	83	
																														286.50	287.00	28913	6	< 0.2	48	89	1020	
																														287.00	288.00	28914	5	< 0.2	45	3	80	
																														288.00	289.50	28915	7	< 0.2	32	4	75	
																														289.50	291.00	28916	7	< 0.2	28	3	72	
																														291.00	292.50	28917	80	< 0.2	43	11	167	
																														292.50	294.00	28918	6	< 0.2	38	8	88	
																														294.00	295.50	28919	5	< 0.2	41	17	129	
																														295.50	297.00	28920	11	< 0.2	29	3	64	
																														297.00	298.50	28921	5	< 0.2	42	10	81	
																														298.50	299.50	28922	6	< 0.2	62	5	201	
																														299.50	300.20	28923	<5	< 0.2	50	6	81	
																														300.20	301.10	28924	<5					
																																28925	999					STANDARD
																														301.10	301.60	28926	<5					
																														301.60	303.20	28927	<5					
																														303.20	304.50	28928	<5					
																														304.50	306.00	28929	<5					
																																28930	<5					BLANK
																														306.00	307.50	28931	<5					
																														307.50	309.00	28932	<5					
																														314.00	315.00	28933	<5					
																														315.00	316.10	28934	<5					
																														316.10	317.50	28935	<5					
																														317.50	318.90	28936	<5					
																														318.90	319.90	28937	<5					
																														319.90	321.50	28938	<5					
																														321.50	322.70	28939	<5					
																														322.70	323.40	28940	5					
																														323.40	324.10	28941	<5					
																														324.10	325.00	28942	<5					
																														325.00	326.40	28943	<5					
																														326.40	327.40	28944	<5					
																														330.00	330.60	28945	5					
																														332.70	334.10	28946	6					
																														334.10	335.60	28947	<5					
																														335.60	337.00	28948	<5					

ROCK UNIT AND LITHOLOGY CODES

Regolith
- OVB Overburden

Clastic Sedimentary Rocks
- SHL Shale
- BSH Black Shale
- GSH Graphitic Shale
- CSH Calcareous Shale
- MST Mudstone
- SLT Siltstone
- SST Sandstone
- CST Calcareous Sandstone
- AST Arenaceous Sandstone
- GST Graywacke Sandstone
- CGL Conglomerate

Chemical Sedimentary Rocks
- DOL Dolomite
- LST Limestone
- CIF Iron Formation
- COX Oxide Facies
- COS Sulfide Facies
- CGF Graphite Facies
- CHE Chert-Silica Facies

Interpreted Sedimentary Rocks
- ISS Interbedded Shale/Siltstone
- SSI Interbedded Shale/Sandstone
- SIS Interbedded Siltstone/Sandstone
- SSS Interbedded Shale/Siltstone/Sandstone

Igneous Rocks
- GRN Granite
- PEG Pegmatite
- SYE Syenite
- MON Monzonite
- DIO Diorite
- GRD Granodiorite
- TON Tonalite
- GAB Gabbro
- PER Peridotite
- PYR Pyroxenite
- GRP Granophyre
- RHY Rhyollite
- AND Andesite
- BAS Basalt
- TUF Tuff
- LTF Lapilli Tuff
- TBX Tuff Breccia
- PBX Pyroclastic Breccia
- TLE Tholeiite
- KME Komatiite
- POR Porphyry Intrusions
- QFP Quartz/Feldspar Porphyry
- DAC Dacite
- URX Undifferentiated Rocks
- DIA Diabase

Metamorphic Rocks
- SLA Slate / Argillite
- SCH Schist
- PHY Phyllite
- QZT Quartzite
- MAB Marble
- GNE Gneiss
- HFS Hornfels
- AMP Amphibolite

General Code
- NON No Sampling
- CLO Core Lost (For Geotech/Core Only)
- UNF Undefined/Undifferentiated
- LND Landfill

Structural Zone
- SHR Shear Zone
- BRX Brecciated Zone
- FTZ Fault Gouge
- RCT Rock Contact

Mineralized Veins
- QPA Vuggy Quartz-Sulfide Vein
- QVN Massive Quartz-Sulfide Vein
- QSV Sheeted Quartz-Sulfide Vein
- QBX Brecciated Quartz-Sulfide Vein
- HBX Hydrothermal Breccia (Fluidized) Quartz-Sulfide Vein
- QTZ Quartz stockwork zone
- QTV Quartz Tension Veins
- MSS Massive Sulfide Veins
- STV Stringer /Veinlets
- HBX Hydrothermal Breccia (Fluidized) Quartz-Sulfide Vein
- QTZ Quartz stockwork zone
- QTV Quartz Tension Veins
- MSS Massive Sulfide Veins
- STV Stringer /Veinlets

Alteration Association
- CAB Carbonate (Ca-Fe-Mg)-Include ankerite, fuschite-Tourmaline
- ARG Clay Alteration
- SIL Silica -Sulfide Alteration
- PRO Propylitic (Chlorite-Epidote)
- SPN Serpentinization (Ultrabasic Rocks)
- SER Sericitic Alteration
- ATD Intensely Altered Rocks
- UAD Undifferentiated Alteration
- UNA Unaltered Rocks

337.00	338.30	28949	<5					
338.30	339.50	28950	<5					
339.50	341.00	28951	<5					
341.00	342.50	28952	<5					
342.50	344.00	28953	6					
344.00	345.50	28954	28					
345.50	347.00	28955	46					
347.00	348.50	28956	<5					
348.50	349.90	28957	<5					
		28958	1030					STANDARD
349.90	351.00	28959	<5	< 0.2	6	< 2	3	
351.00	351.90	28960	5	< 0.2	97	< 2	39	
351.90	353.40	28961	6	< 0.2	95	< 2	37	
353.40	354.80	28962	<5	< 0.2	7	< 2	46	
		28963	<5	0.5	24	2	42	BLANK
354.80	356.20	28964	<5	< 0.2	5	< 2	38	
356.20	357.00	28965	<5	4.2	7	< 2	33	
357.00	358.80	28966	<5	< 0.2	3	< 2	32	
363.50	365.00	28967	<5	< 0.2	25	< 2	43	
365.00	365.70	28968	<5	< 0.2	37	< 2	39	
365.70	367.00	28969	<5	< 0.2	16	< 2	47	
367.00	368.50	28970	<5					
368.50	370.00	28971	<5					
370.00	371.30	28972	<5					
371.30	372.30	28973	5					
372.30	373.40	28974	<5					
373.40	374.30	28975	<5					
413.00	414.00	28976	<5					
414.00	415.50	28977	5					
415.50	417.00	28978	<5					
417.00	418.50	28979	5					
418.50	419.10	28980	<5					
		28981	<5					STANDARD
419.10	419.60	28982	5	< 0.2	29	9	91	
419.60	420.40	28983	6	< 0.2	27	8	63	
420.40	421.50	28984	6	< 0.2	32	10	87	
421.50	423.00	28985	33	< 0.2	43	7	73	
		28986	<5	0.2	23	2	38	BLANK
423.00	424.50	28987	90	< 0.2	52	6	74	
424.50	426.00	28988	5					
426.00	427.50	28989	5					
427.50	429.00	28990	5					
429.00	430.00	28991	5					
430.00	430.80	28992	5					
430.80	432.00	28993	5					
432.00	433.50	28994	6					
433.50	434.00	28995	6					
434.00	435.50	28996	7					
445.00	445.70	28997	10					
457.70	459.00	28998	7					
459.00	460.50	28999	5					
460.50	461.80	29000	5					

CENTRAL TIMMINS EXPLORATION CORPORATION
DIAMOND DRILLING GEOLOGY LOG SHEET

HOLE ID M4-19-02
PROJECT MOUNTJOY-JAGUAR DR
PURPOSE Exploration

COORDINATES	EASTING	NORTHING	RL	AZI	DIP
PROPOSED					
ACTUAL	469067	5373485	282.85	299.5	-45
RIG ID					
DRILLER	SMP				

DRILLING	START	END
DATE	13-Apr-19	17-Apr-19
DEPTH	0	459
BIT		
SIZE	NQ	NQ

DOWNHOLE SURVEY

	DEPTH	AZI	DIP	MAG	INSTRUMENT
1	54	299	-45	56660	Survey Tech
2	105	300	-45.3	56371	Survey Tech
3	156	297.5	-44.5	56393	Survey Tech
4	207	298.2	-44.2	56420	Survey Tech
5	258	298.5	-44.2	56415	Survey Tech
6	309	294.3	-44.4	55719	Survey Tech
7	366	297.4	-43.99	56493	Survey Tech
8	411	299.2	-44.38	56359	Survey Tech

	NAME	DATE
Logged By	RMP	Apr 2019
Relogged By		
Checked By		
Rechecked By		
Page		

ASSAY CERTIFICATES

Actlabs		
from	**to**	**Cert. #**
28548	28581	A19-05809
28587	28717	A19-05809
28735		A19-05809

DEPTH		ROCK DESCRIPTIONS																				COMMENTS	VEINING						ASSAYS											Remarks
						Color			Alteration		Minerals													Depth			Infill Minerals				Interval											
From	To	Rock Unit	Lithology1	Lithology2	Texture	Intensity	Color1	Color2	Altn_Type	Altn_Int	Min1			Min2			Min3			Min4																						
											Min	%	Mode	Min	%	Mode	Min	%	Mode	Min	%	Mode		From	To	Vein_Type	Min1	Min2	Min3	Vein_Style	From_m	To_m	Sample No	Au_ppm	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm		
0.00	24.50	OVB	OVB																				25.70	25.72	QVN	py			CHD	24.50	25.00	28548	< 0.005						
24.50	25.00	POR	POR		POR	lt	gry	grn	SIL	0.5	py	0.5	dis										26.20	26.21	MSS	py			CHD	25.00	25.90	28549	< 0.005						
25.00	26.50	SLA	SLA		ITB	lt	gry		CAB	0.5	py	1	dis/ff										26.37	26.39	QVN	py				25.90	26.30	28550	< 0.005						
26.50	26.90	POR	POR		POR	lt	gry		SIL	0.5	py	0.5	dis										28.56	28.57	QPA	py			CHD	26.30	27.00	28551	< 0.005						
26.90	31.50	SLA	SHR		ITB	lt	gry		SIL	1	py	1	dis/ff										31.70	31.71	QPA	py	cpy		CHD	27.00	28.20	28552	< 0.005						
31.50	37.90	SLA	QVN		ITB	lt	gry		SIL	2	py	2	dis/ff	cpy	1	dis/ff							32.10	32.12	QVN	py				28.20	29.40	28553	< 0.005						
37.90	39.38	SHR	QVN		MAS	lt	gry		SIL	2	py	1	dis/ff										32.45	32.46	QVN	py				29.40	30.70	28554	< 0.005						
39.38	41.40	SLA	QVN		ITB	lt	gry		SIL	1	py	1	dis/ff										32.57	32.58	QVN	py				30.70	32.00	28555	< 0.005	< 0.2	34	< 2	40		
41.40	74.25	DKE	DKE		MAS	dk	gry	grn	PRO	2	py	0.5	dis							po	1	dis	32.80	32.88	QPA	py	cpy		CHD			28556	< 0.005	< 0.2	23	2	39	STANDARD	
74.50	76.53	POR	GST		POR	lt	gry		SIL	0.5	py	0.5											33.10	33.15	QPA	py	cpy		CHD	32.00	32.70	28557	< 0.005	< 0.2	37	< 2	26		
76.53	78.30	GST	SLA		ITB	lt	gry		CAB	0.5	py	0.5											33.70	33.74	QPA	py	cpy		CHD	32.70	33.20	28558	< 0.005	< 0.2	195	< 2	20		
78.30	78.70	SLA	SLA		ITB	dk	gry		CAB	0.5	py	0.5											34.24	34.35	QVN	py	chl		COM	33.20	34.20	28559	< 0.005	< 0.2	50	< 2	27		
78.70	86.00	POR	GST		POR	lt	gry		CAB	0.5	py	0.5											36.57	36.58	QVN	py				34.20	35.50	28560	< 0.005	< 0.2	42	< 2	29		
86.00	95.50	GST	SLA		ITB	lt	grn	gry	CAB	0.5	py	1	ff										37.90	38.13	QTZ	py	chl					28561	0.295						BLANK
95.50	96.93	QVN	QVN		MAS	lt	wht	grn	SIL	2	py	1	dis/ff							chl	1	ff	39.36	39.38	QTZ	py	chl			35.50	36.90	28562	< 0.005						
96.93	118.40	GST	SLA		ITB	lt	grn	gry	CAB	1	py	1	dis/ff										39.40	39.41	QVN	py			COM	36.90	37.70	28563	< 0.005						
118.40	119.40	SHR	SLA		ITB	lt	grn	gry	CAB	1	py	1	ff										40.38	40.39	QVN	py			COM	37.70	38.70	28564	< 0.005						
119.40	139.10	GST	SLA		ITB	lt	grn	gry	CAB	0.5	py	0.5	dis										40.47	40.48	QVN	py			COM	38.70	39.50	28565	< 0.005						
139.10	139.25	SLA	SLA		MAS	lt	grn	gry	CAB	0.5	py	0.5	dis										40.50	40.51	QVN	py			COM	39.50	40.50	28566	< 0.005						
139.25	141.60	GST	SLA		MAS	lt	grn	gry	CAB	0.5	py	0.5	dis										76.82	76.83	QTZ	py	chl			40.50	41.50	28567	< 0.005						
141.60	142.40	SLA	SLA		MAS	lt	grn	gry	CAB	0.5	py	0.5	dis										78.30	78.35	QVN	py				74.20	75.70	28568	< 0.005						
142.40	145.15	GST	SLA		MAS	lt	grn	gry	CAB	0.5	py	0.5	dis										78.70	78.71	QTZ	py	chl			75.70	77.00	28569	< 0.005						
145.15	145.65	SLA	SLA		MAS	lt	grn	gry	CAB	1	py	0.5	dis										82.82	82.83	QVN	py				77.00	78.00	28570	< 0.005						
145.65	147.00	GST	SLA		MAS	lt	grn	gry	CAB	0.5	py	0.5	dis										84.10	84.11	QVN	py				78.00	78.50	28571	< 0.005						
147.00	147.77	SLA	SLA		MAS	lt	grn	gry	CAB	1	py	0.5	dis										85.90	85.91	QVN	py				78.50	80.00	28572	< 0.005						
147.77	148.10	SHR	SLA		MAS	lt	grn	gry	CAB	1	py	0.5	dis										86.70	86.71	QVN	py				87.00	88.50	28573	< 0.005						
148.10	157.45	GST	SLA		ITB	lt	grn	gry	CAB	1	py	0.5	dis										87.90	87.91	QVN	py				90.20	90.70	28574	< 0.005						
157.45	172.15	GST	SLA		ITB	lt	grn	gry	CAB	0.5	py	0.5	dis										107.30	107.31	QVN	py			CHD	92.80	93.50	28575	< 0.005						
172.15	192.00	GST	SLA		ITB	lt	grn	gry	CAB	0.5	py	0.5	dis										109.30	109.31	QVN	py			CHD	93.50	94.50	28576	< 0.005						
192.00	192.60	SHR	SLA		ITB	lt	grn	gry	CAB	0.5	py	1	dis/ff	cpy	0.5	ff	sph	0.5	ff				109.70	109.71	QVN	py			CHD	94.50	95.50	28577	< 0.005						
192.60	195.60	GST	SLA		ITB	lt	grn	gry	CAB	0.5	py	1	dis/ff	cpy	0.5	ff							112.53	112.54	QSV	py			CHD	95.50	96.00	28578	< 0.005						
195.60	195.70	SHR	SLA		ITB	lt	grn	gry	CAB	0.5	py	1	dis/ff										112.65	112.66	QSV	py			CHD	96.00	97.00	28579	< 0.005						
195.70	206.40	GST	SLA		ITB	lt	grn	gry	CAB	0.5	py	1	dis/ff										114.40	114.41	QVN	py			CHD	97.00	98.00	28580	< 0.005						
206.40	210.00	SLA	GST		ITB	lt	grn	gry	CAB	0.5	py	0.5	dis/ff										114.75	114.76	QVN	py			CHD	101.50	102.00	28581	< 0.005						
210.00	213.50	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										115.34	115.35	QVN	py			CHD	106.60	108.00	28587	< 0.005						
213.50	216.00	SLA	SHR		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										115.50	115.51	QSV	py			CHD	108.00	109.50	28588	< 0.005						
216.00	218.00	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										115.60	115.61	QSV	py			CHD	109.50	111.00	28589	< 0.005						
218.00	218.50	SHR	GST		FBX	lt	gry		SIL	0.5	py	0.5	dis/ff										115.70	115.71	QSV	py			CHD	111.00	112.50	28590	< 0.005						
218.50	224.40	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										116.05	116.07	QSV	py			COM	112.50	114.00	28591	< 0.005						
224.40	239.80	GST	SLA		ITB	lt	gry		SIL	1	py	1	dis/ff	cpy	2	ff							117.10	117.11	MSS	py				114.00	115.50	28592	< 0.005						
239.80	240.30	SHR	GST		FBX	lt	gry		SIL	1	py	1	dis/ff	cpy	1	ff							117.15	117.16	MSS	py				115.50	116.50	28593	< 0.005						
240.30	246.00	SLA	GST		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										117.70	117.71	QVN	py			CHD	116.50	117.50	28594	< 0.005						
246.00	249.00	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff	cpy	0.5	ff	sph	1	ff				119.20	119.21	MSS	py				117.50	118.50	28595	< 0.005						
249.00	259.85	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis										119.23	119.24	MSS	py				118.50	119.50	28596	< 0.005						
259.85	260.40	SLA	SLA		MAS	lt	gry		SIL	0.5	py	0.5	dis																119.50	120.60	28597	< 0.005						
260.40	260.75	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis										119.35	119.36	QVN	py			CHD	128.20	128.70	28598	< 0.005						
260.75	261.20	SHR	SLA		MAS	lt	gry		SIL	1	py	0.5	dis	cpy	0.5	ff	sph	0.5	ff				119.45	119.46	QVN	py			CHD	145.30	146.80	28599	< 0.005						
261.20	261.65	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis										119.85	119.86	QVN	py			CHD	146.80	147.70	28600	< 0.005						
261.65	262.75	SLA	SLA		MAS	lt	gry		SIL	0.5	py	0.5	dis										119.90	119.90	QVN	py			CHD	147.70	148.30	28601	< 0.005						
262.75	263.67	SLA	GST		ITB	lt	gry		SIL	0.5	py	0.5	dis										120.57	120.58	QVN	py			CHD	148.30	149.80	28602	< 0.005						
263.67	265.05	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis										124.40	124.42	QVN	py			CHD	149.80	151.30	28603	< 0.005						
265.05	265.30	SLA	GST		ITB	lt	gry		SIL	0.5	py	0.5	dis										127.00	127.02	QVN	py			COM	151.30	152.80	28604	< 0.005						
265.30	276.00	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis										128.48	128.50	QVN	py			CHD	152.80	154.30	28605	< 0.005						
																							76.82	76.83	QTZ	py	chl			40.50	41.50	28567	< 0.005						
																													76.82	76.83	QTZ	py	chl			40.50	41.50	28567	< 0.005						

276.00	295.65	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis										Narrow, deformed qtz-carb veinlets at 279.36m, 281.58m, 281.7m and 281.8m,. Bedding contacts at 278.25m, 282m, 283.75m, 285.05m, 286m, 286.4m and 289.65m. Trace sulphides.
295..65	296.10	SLA	GST		ITB	dk	gry		SIL	1	py	1	dis/ff										Silicified, increased sulphide diss/ff up to 1% with multidirectional qtz-carb veinlets.
296.10	294.90	GST	SLA		ITB	lt	gry		SIL	1	py	1	dis/ff										
294.90	295.40	SLA	GST		ITB	dk	gry		SIL	1	py	1	dis/ff										
295.40	298.00	SHR	SLA		FBX	dk	gry		SIL	2	py	3	dis/ff										Shear Zone. Highly broken core, silicified rock fragments, intense sulphide disseminations to semi massive, fracture filling varieties up to 3%. Breccia vein at 296.3m.
298.00	299.00	SLA	GST		ITB	dk	gry		SIL	2	py	3	dis/ff										Interbeds of silicified, pyritic graywacke and dark slate. Contact is marked by quartz-chlorite-pyrite veining. Bedding contacts at 298.25m, 298.43m, 299.15m.
299.00	300.00	SHR	SLA		FBX	dk	gry		SIL	2	py	3	dis/ff										Shear Zone. Highly broken core, silicified rock fragments, intense sulphide disseminations to semi massive, fracture filling pyrites up to 3%
300.00	302.70	GST	SLA		ITB	dk	gry		SIL	2	py	3	dis/ff										Bedding contacts at 300.6m and 301m.
302.70	311.50	SHR	GST		FBX	dk	gry		SIL	2	py	3	dis/ff										Shear Zone. Highly broken core, silicified rock fragments, intense, fine to medium grained, sulphide disseminations to fracture filling pyrites up to 3%. Local shear controlled, qtz-carb stockworked veining
311.50	313.00	SHR	DKE		FBX	dk	grn	gry	SIL	1	py	1	dis/ff							po	1	dis	Contact between Sediments and diabase dike, Broken core, shear zone. Decreased sulphides up to 1% mainly fine grains of pyrite and pyrrhotite
313.00	326.10	DKE	DKE		MAS	dk	grn		PRO	0.5	py	0.5	dis							po	1	dis	Massive, green, chlorite -epidote altered diabase dikes containing trace fine grains of pyrite and pyrrhotite.
326.10	326.30	SHR	DKE		MAS	dk	grn		PRO	0.5	py	0.5	dis										Narrow, chlorite-epidote stained, shear zone (?), ssociated with hairline veinlets. Trace pyrite. This structure appears to be following a NE-SW trend, dipping mod-steep to the NW.
326.30	336.03	DKE	DKE		MAS	dk	grn		PRO	0.5	py	0.5	dis							po	0.5	dis	Massive, green, chlorite -epidote altered diabase Trace pyrite and pyrrhotite.
336.03	336.06	SHR	DKE		MAS	dk	grn		PRO	0.5	py	0.5	dis							po	0.5	dis	Same as the structure at 326.1m
336.06	350.00	DKE	DKE		MAS	dk	grn		PRO	0.5	py	0.5	dis							po	0.5	dis	
350.00	351.70	QVN	DKE		MAS	dk	grn	wht	SIL	0.5	py	1	dis	cpy	1	ff				po	0.5	dis	Pyrite-chalcopyrite bearing quartz-carb-chlorite vein cutting through diabase. Copper occurrence appears to be at intersection of NW-SE (steep dips) along LCA and NE-SW (mod NW dip) vein sets.
351.70	360.90	DKE	DKE		MAS	dk	grn		PRO	0.5	py	0.5	dis							po	0.5	dis	Massive, dark green, local broken core. Trace pyrite and pyrrhotite.
360.90	363.70	SHR	SLA		MAS	dk	gry		SIL	2	py	2	dis/ff	cpy	0.5	ff				po	0.5	dis	Massive, silicified, argillite/graywacke interbed, sheared to breccia textures, pyrite-filled to semi-massive pyrite (MSS) veinlets, traces of chalcopyrite in fractures. Qtz-carb veining at 362m and 363.7m.
363.70	363.96	QVN	SHR		FBX	lt	wht	gry	SIL	2	py	2	dis/ff	cpy	0.5	ff				po	0.5	dis	Shear-controlled, quartz-carb vein with trace pyrite-chalcopyrite. Orientation suggest a NNE-SSW trend, NW dipping shears.
363.96	364.30	GST	SHR		MAS	lt	gry		SIL	0.5	py	0.5	dis										
364.30	364.70	BRX	SHR		FBX	lt	gry		SIL	0.5	py	0.5	dis										Fault breccia, Trace pyrite.
364.70	381.00	GST	SLA		ITB	lt	gry		SIL	0.5	py	1	dis/ff							po	0.5	dis	Interbeds of wacke, argillite, slate and minor graphitic layer. Weak NE-SW and E-W trend qtz-carb veins/ shears at 364.30m, 367.6m, 376.55m, and 379.05m. Sulphides mainly fine disseminated pyrite grains from trace up to 1%. Bedding contacts at366.9m, 371.8m, 375.72m, 376m, 377, 377.2m and 378.14m.
381.00	406.80	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										Interbeds of wacke, argillite, slate and minor graphitic layer. Weak qtz-carb veins/ shears at 386.15m, 393.3m, 400.2m, 400.5m and 404.6m. Bedding contacts (NE-SW trends) at 384.04m, 385.25m, 389.85m, 390.67m, 392.43m, 394.87m, 396.15m and 396.90m and 400.4m.
406.80	407.05	SHR	SLA		LAM	lt	gry		SIL	0.5	py	0.5	dis/ff										Shear zone, argillite with deformed qtz-carb veinlets at 406.85m. Trace pyrite dissemination. Orientation suggents an E-W trending, bedding -shear plane direction
407.05	412.95	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										Pyritic hairline veinlets at 407.45m. Bedding contact with argillte at 408.27m.
412.95	413.40	SHR	SLA		FBX	lt	gry		SIL	0.5	py	1	dis/ff										Shear zone with qtz-carb vein at 412.95m and 413.3m. Disseminated to fracture fill pyrite up to 1%. Orientation indicates an E-W trend, moderate North dipping shears.
413.40	420.90	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										E-W trend, moderate north dipping, bedding contact at 415.2m
420.90	422.60	SLA	GST		ITB	lt	gry		SIL	1	py	1	dis/ff										Silicified, pyritic argilite with minor wacke and graphitic layers at 421.2m. Qtz-carb veinlets at 422m and 422.15m. Local semi-massive pyrite and aggregates in fractures and planes.
422.60	434.10	GST	SLA		MAS	lt	gry		SIL	0.5	py	1	dis/ff										Graywacke, minor dark gray argillite/slate with diss to filling pyrite up to 1%. Qtz-carb-pyrite veinlets at 423.55m, 423.61m, 424.15m and427.65m
434.10	434.40	QVN	GST		MAS	lt	wht	gry	SIL	2	py	0.5	dis										Massive, quartz vein following a NW-SE trend. Trace sulphides. Chlorite in wallrocks
434.40	449.90	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										Massive, graywacke, minor argillite/slate, graphite layers with local trace of diss to filling pyrite. Limited number of qtz-carb veins at 436.30m and 439.75m. Bedding contacts at 444.65m, 497.8m, 448.25m,
449.90	450.60	SLA	GST		ITB	lt	gry		SIL	1	py	1	dis/ff										Dark highy sulphidic argilite / slate. Foliation reading at 480.48m. Local large aggregates to semi-massive pyrite veinlets in fractures and planes.
450.60	452.00	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										
452.00	452.10	SHR	GST		FBX	lt	gry		SIL	0.5	py	0.5	dis/ff										Shear zone, deformed veining. Trace sulphides.
452.10	459.00	GST	SLA		ITB	lt	gry		SIL	0.5	py	0.5	dis/ff										Graywacke, minor argillite and graphitic layers. Trace sulfides. Weak carbonate veins at 451.95m and 452.3m. Bedding contacts at 452.55m, 453.4m, 455.35m, 457.55m, 458.32m. Foliation readings at 455.5m, 456.25, 456.8m and 457.7m.
459.00	459.00	EOH																					

134.60	134.62	QVN	py			CHD
136.55	136.56	QVN	py			CHD
145.43	145.45	QBX	py			CHD
145.65	145.66	QVN	py			CHD
147.52	147.53	QVN	py			CHD
147.74	148.10	QBX	py	chl		CHD
148.50	148.52	QVN	py			CHD
148.76	148.77	QVN	py			CHD
149.00	149.01	QVN	py			CHD
150.65	150.66	QVN	py			CHD
153.41	153.42	QVN	py			CHD
157.45	157.65	QBX	py	chl		CHD
173.30	173.31	QVN	py			CHD
174.10	174.11	QVN	py			CHD
177.20	177.25	QVN	py			CHD
192.10	192.60	MSS	py	cpy	sph	CHD
193.15	193.20	QVN	py	cpy		CHD
195.50	195.51	QVN	py	chl		CHD
195.60	195.70	QVN	py	chl		CHD
196.40	196.41	QVN	py	chl		CHD
195.85	195.86	QVN	py			CHD
197.25	197.26	QVN	py			CHD
197.30	197.31	QVN	py			CHD
200.68	200.69	MSS	py			CHD
203.20	203.21	QVN	py			CHD
225.40	225.41	QVN	py	cpy		
225.50	225.51	QVN	py	cpy		
225.80	225.81	QVN	py	cpy		
225.85	225.86	QVN	py	cpy		
226.00	226.01	QVN	py	cpy		
226.05	226.06	QVN	py	cpy		
227.40	227.41	QVN	py	cpy		
229.95	229.96	QVN	py	cpy		
230.60	230.61	QVN	py	cpy		
230.90	230.91	QVN	py	cpy		
231.10	231.12	QVN	py	cpy		
231.20	231.21	QVN	py	cpy		
233.30	233.31	QVN	py			
236.00	236.01	QVN	py			
240.65	240.66	QVN	py			
246.48	246.49	QVN	py			
247.28	247.30	QVN	py	cpy	sph	
247.70	247.71	QVN	py	cpy	sph	
247.75	247.76	QVN	py	cpy	sph	
249.95	249.96	QVN	py			
250.05	250.10	QVN	py			
252.33	252.35	QVN	py			
256.40	256.41	QVN	py			
260.75	261.20	QBX	py	cpy	sph	
262.10	262.12	QVN	py			
262.27	262.28	QVN	py			
262.45	262.46	QVN	py			
262.50	262.57	QVN	py			
264.45	264.46	QVN	py			
264.50	264.51	QVN	py			
266.07	266.08	QVN	py			
273.90	273.91	QVN	py			
279.36	279.37	QVN	py			
279.68	279.69	QVN	py			
281.58	281.59	QVN	py			
281.70	281.72	QVN	py			
281.80	281.81	QVN	py			
295.60	295.65	MSS	py			
296.20	296.30	QBX	py			
299.15	299.20	QVN	py	cpy		CHD
326.10	326.30	QBX	py	po	chl	CHD
336.03	336.06	QBX	py	po	chl	CHD
350.00	351.60	QVN	py	cpy	po	
351.63	351.80	QVN	py	cpy	chl	
362.00	362.01	QVN	py	cpy		
363.70	363.71	QVN	py	cpy		
363.75	363.96	QVN	py	cpy		
364.30	364.70	QBX	py		chl	
361.50	361.60	QBX	py	po		CHD
376.77	376.78	QVN	py	po		CHD
379.05	379.10	QVN	py	po		CHD
386.15	386.18	QVN	py			CHD
393.30	393.31	QVN	py			CHD
400.20	400.21	QVN	py			CHD
402.50	402.51	QVN	py			CHD
404.60	404.61	QVN	py			CHD
406.85	406.86	QVN	py			CHD
412.95	413.26	QVN	py			CHD
413.30	413.33	QVN	py			CHD

154.30	155.80	28606	< 0.005					
155.80	157.30	28607	< 0.005					
		28608	0.938					STANDARD
157.30	158.60	28609	< 0.005					
165.30	166.00	28610	< 0.005					
172.00	172.50	28611	< 0.005					
189.00	190.50	28612	< 0.005					
		28613	< 0.005					BLANK
190.50	192.00	28614	< 0.005					
		28615	0.613					STANDARD
192.00	193.50	28616	< 0.005	< 0.2	127	17	1450	
193.50	194.40	28617	< 0.005					
194.40	195.00	28618	< 0.005					
195.00	196.50	28619	< 0.005					
		28620	< 0.005					BLANK
199.50	201.00	28621	< 0.005					
201.00	202.50	28622	< 0.005					
202.50	204.00	28623	< 0.005					
208.70	210.00	28624	< 0.005					
212.60	214.00	28625	< 0.005					
214.00	214.80	28626	< 0.005					
214.80	216.00	28627	< 0.005					
216.00	217.50	28628	< 0.005					
217.50	218.50	28629	< 0.005					
223.00	224.00	28630	< 0.005	< 0.2	103	< 2	65	
274.00	275.00	28631	< 0.005	< 0.2	46	< 2	56	
225.00	226.00	28632	< 0.005	< 0.2	281	< 2	56	
226.00	227.00	28633	< 0.005	< 0.2	192	< 2	58	
227.00	228.00	28634	< 0.005	< 0.2	150	2	60	
228.00	229.00	28635	< 0.005	< 0.2	112	< 2	64	
229.00	230.00	28636	< 0.005	< 0.2	102	< 2	65	
230.00	231.00	28637	< 0.005	< 0.2	190	< 2	60	
231.00	232.00	28638	< 0.005	< 0.2	51	< 2	66	
232.00	233.00	28639	< 0.005	< 0.2	8	< 2	65	
233.00	234.00	28640	< 0.005	< 0.2	8	< 2	55	
234.00	235.00	28641	< 0.005	< 0.2	11	< 2	67	
235.00	236.00	28642	< 0.005	< 0.2	47	< 2	61	
236.00	237.00	28643	< 0.005	< 0.2	37	< 2	60	
237.00	238.00	28644	< 0.005	< 0.2	337	< 2	65	
238.00	239.20	28645	< 0.005	< 0.2	59	< 2	69	
239.20	240.00	28646	< 0.005	< 0.2	170	2	62	
240.00	241.00	28647	< 0.005	< 0.2	103	< 2	55	
241.00	242.00	28648	< 0.005	< 0.2	71	< 2	53	
242.00	243.00	28649	< 0.005	< 0.2	64	< 2	62	
243.00	244.00	28650	< 0.005	< 0.2	40	3	68	
244.00	245.00	28651	< 0.005	< 0.2	56	3	61	
245.00	246.00	28652	< 0.005	< 0.2	55	87	528	
246.00	247.00	28653	< 0.005	< 0.2	224	40	163	
247.00	248.00	28654	< 0.005	< 0.2	53	401	2110	
248.00	249.00	28655	< 0.005	< 0.2	60	24	137	
249.00	250.00	28656	< 0.005	< 0.2	69	19	74	
250.00	251.30	28657	< 0.005	< 0.2	16	4	67	
251.30	252.50	28658	< 0.005	< 0.2	38	3	59	
259.70	260.70	28659	< 0.005	< 0.2	50	4	63	
260.70	261.20	28660	< 0.005	< 0.2	60	6	68	
261.20	261.90	28661	< 0.005	< 0.2	50	5	54	
261.90	262.80	28662	< 0.005					
262.80	263.80	28663	< 0.005					
263.80	265.00	28664	< 0.005					
265.00	266.50	28665	< 0.005					
		28666	0.311					STANDARD
278.30	279.90	28667	< 0.005					
279.90	281.00	28668	< 0.005					
281.00	282.10	28669	< 0.005					
282.10	283.60	28670	< 0.005					
		28671	< 0.005					BLANK
283.60	285.00	28672	< 0.005					
289.90	290.70	28673	< 0.005					
290.70	292.00	28674	< 0.005					
292.00	293.00	28675	< 0.005					
293.00	294.00	28676	< 0.005					
294.00	294.90	28677	< 0.005					
294.90	296.00	28678	< 0.005					
296.00	297.00	28679	< 0.005					
297.00	298.00	28680	< 0.005					
298.00	299.00	28681	< 0.005					
299.00	300.00	28682	< 0.005					
300.00	301.00	28683	< 0.005					
301.00	302.00	28684	< 0.005					
302.00	303.00	28685	< 0.005					
303.00	304.00	28687	< 0.005					
304.00	305.00	28688	< 0.005					
305.00	306.00	28689	< 0.005					
306.00	307.00	28690	< 0.005					

ROCK UNIT AND LITHOLOGY CODES

Regolith
OVB Overburden

Clastic Sedimentary Rocks
SHL Shale
BSH Black Shale
GSH Graphitic Shale
CSH Calcareous Shale
MST Mudstone
SLT Siltstone
SST Sandstone
CST Calcareous Sandstone
AST Arenaceous Sandstone
GST Graywacke Sandstone
CGL Conglomerate

Chemical Sedimentary Rocks
DOL Dolomite
LST Limestone
CIF Iron Formation
COX Oxide Facies
COS Sulfide Facies
CGF Graphite Facies
CHE Chert-Silica Facies

Interpreted Sedimentary Rocks
ISS Interbedded Shale/Siltstone
SSI Interbedded Shale/Sandstone
SIS Interbedded Siltstone/Sandstone
SSS Interbedded Shale/Siltstone/Sandstone

Igneous Rocks
GRN Granite
PEG Pegmatite
SYE Syenite
MON Monzonite
DIO Diorite
GRD Granodiorite
TON Tonalite
GAB Gabbro
PER Peridotite
PYR Pyroxenite
GRP Granophyre
RHY Rhyollite
AND Andesite
BAS Basalt
TUF Tuff
LTF Lapilli Tuff
TBX Tuff Breccia
PBX Pyroclastic Breccia
TLE Tholeiite
KME Komatiite
POR Porphyry Intrusions
QFP Quartz/Feldspar Porphyry
DAC Dacite
URX Undifferentiated Rocks
DIA Diabase

Metamorphic Rocks
SLA Slate / Argillite
SCH Schist
PHY Phyllite
QZT Quartzite
MAB Marble
GNE Gneiss
HFS Hornfels
AMP Amphibolite

General Code
NON No Sampling
CLO Core Lost (For Geotech/Core Only)
UNF Undefined/Undifferentiated
LND Landfill

Structural Zone
SHR Shear Zone
BRX Brecciated Zone
FTZ Fault Gouge
RCT Rock Contact

Mineralized Veins
QPA Vuggy Quartz-Sulfide Vein
QVN Massive Quartz-Sulfide Vein
QSV Sheeted Quartz-Sulfide Vein
QBX Brecciated Quartz-Sulfide Vein
HBX Hydrothermal Breccia (Fluidized) Quartz-Sulfide Vein
QTZ Quartz stockwork zone
QTV Quartz Tension Veins
MSS Massive Sulfide Veins
STV Stringer /Veinlets
HBX Hydrothermal Breccia (Fluidized) Quartz-Sulfide Vein
QTZ Quartz stockwork zone
QTV Quartz Tension Veins
MSS Massive Sulfide Veins
STV Stringer /Veinlets

Alteration Association
CAB Carbonate (Ca-Fe-Mg)-Include ankerite, fuschite-Tourmaline
ARG Clay Alteration
SIL Silica -Sulfide Alteration
PRO Propylitic (Chlorite-Epidote)
SPN Serpentinization (Ultrabasic Rocks)
SER Sericitic Alteration
ATD Intensely Altered Rocks
UAD Undifferentiated Alteration
UNA Unaltered Rocks

413.97	414.00	QVN	py			CHD
422.15	422.17	QVN	py			CHD
423.55	423.56	QVN	py			CHD
423.61	423.62	QVN	py			CHD
424.15	424.17	QVN	py			CHD
427.65	427.66	QVN	py			CHD
434.10	434.40	QVN	py			CHD
436.30	436.32	QVN	py			CHD
439.75	439.76	QVN	py			CHD
451.95	451.96	QVN	py			CHD
452.20	452.21	QVN	py			CHD
455.50	455.51	QVN	py			CHD

307.00	308.00	28691	< 0.005					
308.00	309.00	28692	< 0.005					
309.00	310.00	28693	< 0.005					
310.00	311.00	28694	< 0.005					
311.00	312.00	28695	< 0.005					
350.50	351.50	28708	< 0.005	< 0.2	152	7	369	
351.50	352.60	28709	< 0.005	< 0.2	143	4	89	
		28696	0.924					STANDARD
360.90	362.00	28697	< 0.005					
362.00	363.00	28698	< 0.005					
363.00	364.00	28699	< 0.005					
364.00	365.00	28700	< 0.005					
		28701	< 0.005					BLANK
365.00	366.00	28702	< 0.005					
366.00	367.00	28703	< 0.005					
367.00	368.10	28704	< 0.005					
378.00	379.00	28705	< 0.005					
379.00	380.00	28706	< 0.005					
380.00	381.00	28707	< 0.005					
412.80	414.00	28710	< 0.005					
414.00	415.00	28711	< 0.005					
420.90	422.20	28712	< 0.005					
422.20	422.80	28713	< 0.005					
427.30	428.30	28714	< 0.005					
428.30	429.30	28715	< 0.005					
433.80	435.00	28716	< 0.005					
451.80	453.00	28735	< 0.005					
458.00	459.00	28717	< 0.005					
469.50	471.00	28686	< 0.005					

CENTRAL TIMMINS EXPLORATION CORPORATION
DIAMOND DRILLING GEOLOGY LOG SHEET

HOLE ID M4-19-03
PROJECT MOUNTJOY-JAGUAR DR
PURPOSE Exploration

COORDINATES

	EASTING	NORTHING	RL	AZI	DIP
PROPOSED					
ACTUAL	469072	5373540.2	283	199.5	-45
RIG ID					
DRILLER	SMP				

DRILLING

	START	END
DATE	18-Apr-19	22-Apr-19
DEPTH	0	333
BIT		
SIZE	NQ	NQ

DOWNHOLE SURVEY

	DEPTH	AZI	DIP	MAG	INSTRUMENT
1	54	192.5	-42.82	54551	Survey Tech
2	105	194	-42.49	54798	Survey Tech
3	156	201.9	-42.35	59898	Survey Tech
4	207	201.9	-42.95	56051	Survey Tech
5	258	200.8	-42.83	56109	Survey Tech
6	309	200.7	-42.95	56079	Survey Tech

	NAME	DATE
Logged By	RMP	Apr 2019
Relogged By		
Checked By		
Rechecked By		
Page		

ASSAY CERTIFICATES

Actlabs		
from	**to**	**Cert. #**
28718	28750	A19-05809
709001	709171	A19-05809

DEPTH		ROCK DESCRIPTIONS																										COMMENTS	VEINING							ASSAYS								Remarks
										Color			Alteration		Minerals														Depth		Infill Minerals				Interval								
From	To	Rock Unit	Lithology1	Lithology2	Texture	Hardness	Weathering	Oxidation	Acid Rxn	Intensity	Color1	Color2	Altn_Type	Altn_Int	Min1			Min2			Min3			Min4					From	To	Vein_Type	Min1	Min2	Min3	Vein_Style	From_m	To_m	Sample No	Au_ppm	Aq_ppm	Cu_ppm	Pb_ppm	Zn_ppm	
															Min	%	Mode	Min	%	Mode	Min	%	Mode	Min	%	Mode																			
0.00	24.00	OVB	OVB																									31.90	31.91	QVN	py			CHD	37.00	38.00	28718	< 0.005					
24.00	38.00	GST	SLA		ITB					lt	gry		CAB	0.5	py	0.5	dis										Massive, medium grained graywacke, minor argillite interbeds.Trace sulphides with locally deformed qtz-carb veins at 31.90m, 32.80m, 32.85m, 33.9m, 34.35m, 36.65m and 37.75m	32.80	32.82	QVN	py			CHD	38.00	39.00	28719	< 0.005					
38.00	38.33	SHR	DKE		FBX					dk	blk		SIL	1	py	2	dis/ff	cpy	1	ff				po	2	dis/ff	Shear zone, broken core, black, highly sulphidic and magnetic rocks (diabase) containing disseminated to hairline fracture filling pyrite-pyrrhotite-chalcopyrite. Contact with sediments is irregular.	32.85	32.86	QVN	py			CHD	39.00	40.00	28720	< 0.005					
38.33	38.75	GST	SLA		ITB					lt	gry		CAB	0.5	py	0.5	dis											33.80	33.81	QVN	py			CHD	42.00	43.00	28721	< 0.005					
38.75	38.80	DKE	DKE		MAS					dk	blk		SIL	1	py	2	dis/ff	cpy	0.5	ff				po	2	dis/ff	Black colored, magnetic and sulphidic diabase rocks with up fine to aggregates of sulphides up to 2%	33.90	33.91	QVN	py			CHD	43.00	44.00	28722	< 0.005					
38.80	38.95	GST	SLA		ITB					lt	gry		CAB	0.5	py	0.5	dis											34.35	34.36	QVN	py			CHD	44.00	45.00	28723	< 0.005					
38.95	39.00	DKE	DKE		ITB					dk	blk		SIL	1	py	2	dis/ff	cpy	0.5	ff				po	2	dis/ff	Black colored, magnetic and sulphidic diabase rocks up to 2% sulphides	36.65	36.67	QVN	py			CHD	45.00	46.00	28724	< 0.005					
39.00	42.60	CGL	GST		ITB					lt	gry		CAB	0.5	py	0.5	dis										Interbeds of conglomerate and graywacke, CGL is massive, matrix supported with subrounded fragments aligned parallel to foliation direction at 41m. Qtz-carb veins at 39.5m, 39.6m, 39.72m, 40.14m, 40.2m, 48.55m and 42.4m. Sulphides as trace contents.	37.75	37.76	QVN	py			CHD	46.00	47.00	28725	< 0.005					
42.60	44.70	DKE	SHR		MAS					dk	blk		SIL	1	py	2	dis/ff							po	3	dis/ff	Massive, black, magnetic and sulphide rich diabase containing diss/ff pyrite-pyrrhotite up to 3%. Contact with sediments al low angle to LCA indicating NW-SE trend. Foliation reading at 43.30m.	39.50	39.54	QVN	py		chl	CHD	47.00	48.00	28726	< 0.005					
44.70	45.40	SCH	GST		FOL					dk	gry		SIL	1	py	1	dis/ff							po	1	dis/ff	Massive, silicified, schistose graywacke containing irregular and deformed qtz-carbonate veins at 45.05m terminating at the contact with mafic dike.	39.60	39.61	QVN	py			CHD	48.00	49.00	28727	< 0.005	< 0.2	52	4	73	
45.40	46.60	SHR	DKE		FBX					dk	blk		SIL	1	py	2	dis/ff							po	3	dis/ff	Shaer zone, Broken core, magnetic and sulphide rich diabase containing diss/ff pyrite-pyrrhotite up to 3%.	39.72	39.73	QVN	py			CHD	49.00	50.00	28728	< 0.005	< 0.2	46	3	73	
46.60	48.75	SCH	GST		FOL					dk	gry		SIL	1	py	1	dis/ff							po	1	dis/ff	Massive, silicified, locally broken core, schistose graywacke containing irregular and deformed veins terminating at the contact with mafic dike. Qtz-carb veins at 47.1m, 47.16m, 47.35m, 47.65m, 48.37m, 48.7m and 48.72m. Sulfides as diss to fills up to 1%	40.14	40.15	QVN	py			CHD	50.00	51.00	28729	< 0.005	< 0.2	84	< 2	73	
48.75	49.10	DKE	SHR		FBX					dk	blk		SIL	1	py	2	dis/ff							po	2	dis/ff		40.20	40.21	QVN	py			CHD	51.00	52.00	28730	< 0.005	< 0.2	121	< 2	75	
49.10	50.30	SCH	GST		FOL					dk	gry		SIL	1	py	1	dis/ff							po	1	dis/ff	Deformed qtz-carb veins at 49.45m.	40.55	40.56	QVN	py			CHD	52.00	53.00	28731	< 0.005	< 0.2	124	< 2	76	
50.30	53.60	DKE	SHR		MAS					dk	blk		SIL	1	py	2	dis/ff							po	2	dis/ff	Local broken core, shears in places. Pyrite-pyrrhotite disseminations to fills up to 2%	42.30	42.33	QVN	py			CHD	53.00	54.00	28732	< 0.005	< 0.2	68	< 2	73	
53.60	57.66	GST	SLA		ITB					lt	gry		CAB	0.5	py	1	dis/ff										Graywacke, minor argillite, local shears containing qtz-carb veins at 53.6m, 54.7m, 55.15m, 55.45m and 56m.	42.40	42.41						54.00	55.00	28733	< 0.005	< 0.2	32	5	75	
57.66	58.65	POR	POR		POR					lt	gry		SIL	0.5	py	0.5	dis/ff										Massive, porphyry dike, sharp but irregular contact with sediments at E-W trend.	45.05	45.06	QVN	py	po		CHD	55.00	56.10	28734	< 0.005					
58.65	62.80	GST	SLA		ITB					lt	gry		CAB	1	py	0.5	dis/ff										Graywacke, minor argillites, multiple E-W trend, qtz-carb filled hairline fractures and veinlets at 59.9m, 60.06m, 60.12m and 61.75m. Trace sulphides	47.10	47.11	QVN	py	po		CHD	56.10	57.00	28736	< 0.005					
62.80	63.30	SHR	GST		FBX					lt	gry		CAB	0.5	py	0.5	dis/ff										Broken core, shear zone.	47.16	47.17	QVN	py	po		CHD	57.00	58.00	28737	< 0.005					
63.30	77.50	GST	SLA		ITB					lt	gry		CAB	0.5	py	0.5	dis/ff										Massive to blocky, Trace sulphides. Narrow qtz-carb veinlets at 64.5m, 67.07m and 67.9m	47.35	47.36	QVN	py	po		CHD			28738	0.975					STANDARD
77.50	84.00	GST	DKE		ITB					lt	gry		CAB	1	py	1	dis/ff										Graywacke with slight increased silicification and sulphide content, deformed qtz carb veinlets and stringers to stockwork with a narrow diabase dike from 81.85. Bedding contacts at 81.62m, 81.85m and 81.90m. Foliation at 77.83m	47.65	47.66	QVN	py	po		CHD	58.00	59.00	28739	< 0.005					
84.00	84.30	SHR	GST		FBX					lt	gry		CAB	1	py	1	dis/ff										Broken core, fault gouge zone showing some breaccia texture. Fine diss sulphides up to 1%.	48.37	48.38	QVN	py	po		CHD	59.00	60.00	28740	< 0.005					
84.30	92.00	GST	SLA		ITB					lt	gry		CAB	1	py	1	dis/ff										Strong silicification with increase sulphides associated with intense qtz-carb veining and stockworked. Shear deformation zone following an E-W trend foliation	48.70	48.71	QVN	py	po		CHD	60.00	61.00	28741	< 0.005					
92.00	92.40	POR	POR		POR					lt	gry		SIL	1	py	0.5	dis/ff										Massive porphyry, cut by massive, comb qtz-carb-chlorite-tourmaline veins with trace pyrites	48.72	48.73	QVN	py	po		CHD	61.00	62.00	28742	< 0.005					
92.40	93.30	QVN	QVN		MAS					lt	wht		SIL	2	py	0.5	dis/ff							to	0.5	ff	Massive qtz-carb-chlorite-tourmaline vein following an E-W trending contact with porphyry dike.	49.45	49.47	QVN	py	po		CHD			28743	< 0.005					BLANK
93.30	101.97	POR	POR		POR					lt	gry	wht	SIL	1	py	0.5	dis/ff										Qtz-car veins at 100.3m, 101.41m, 101.45m and 101.88m	53.60	53.61	QVN	py	po		CHD	62.00	63.00	28744	< 0.005					
101.97	125.05	DKE	DKE		MAS					dk	grn	gry	PRO	2	py	0.5	dis							po	2	dis/ff	Massive, dark colored, highly magnetic, diabase dike. Qtz-carb-chlorite shear vein at 108.5m.	54.70	54.71	QVN	py				63.00	64.00	28745	< 0.005					
125.05	125.20	POR	POR		POR					lt	gry		SIL	1	py	0.5	dis/ff											55.15	55.16	QVN	py				64.00	65.00	28746	< 0.005					
125.20	127.80	DKE	DKE		MAS					dk	grn	gry	PRO	2	py	0.5	dis							po	2	dis/ff	Massive diabase, local dark qtz-pyritic veins and bands in fractures at 125.5m, 125.65m and 127.15m. pyrrhotite is ubiquitous.	56.00	56.02	QVN	py				65.00	66.00	28747	< 0.005					
127.80	130.00	SLA	GST		ITB					lt	gry		SIL	1	py	1	dis/ff							po	1	dis/ff	Locally broken core.	59.90	59.91	QVN	py				77.40	78.50	28748	< 0.005					
130.00	136.50	GST	SLA		ITB					lt	gry		SIL	1	py	1	dis/ff	cpy	1	dis/ff				po	1	dis/ff	Silicified, graywacke, minor argillite and conglomerate, disseminated to fracture/vein filling pyrite-chalcopyrite-pyrrhotite in places at 130.2m, 131.1m, 132.6m, 134.9m, 135.2m and 136m. Foliation in conglomerate at 132.93m.	60.06	60.12	QVN	py	chl		CHD	78.50	79.70	28749	< 0.005					
136.50	138.20	SCH	SLA		FOL					lt	gry		SIL	1	py	2	dis/ff	cpy	2	dis/ff				po	1	dis/ff	Broken core in places. Schistose texture in argillite, abundant dark sulphidic bands following and crossing foliation. Fine to large aggregate to semi-massive pyrite-chalcopyrite-pyrrhotite in shears, foliation and fractures up to 2% at 136.69m, 136.75m, 136.9, 137.3m and 137.3m. No orientation	61.75	61.76	QVN	py	chl		CHD	79.70	80.80	28750	< 0.005					
138.20	138.60	SHR	SCH		FOL					lt	gry		SIL	1	py	1	dis/ff	cpy	1	dis/ff				po	1	dis/ff	Shear zone, strongly foliated, chlorite-sulphide in matrix as foliation to fracture fills. Qtz-carb vei at 138.55.	64.50	64.52	QVN	py	chl		CHD	80.80	82.00	709001	< 0.005					
138.60	146.55	POR	POR		POR					lt	gry	wht	SIL	1	py	0.5	dis/ff										Massive porphyry up to 2mm feldspar phenocryst, cut by several comb qtz-carb veins with trace pyrites at 138.65m, 139.5m, 141.7m, 144.6m, 145m and 145.32m.. No orientation lines.	67.07	67.09	QVN	py			CHD	82.00	83.00	709002	< 0.005					
146.55	146.90	DKE	DKE		MAS					dk	grn	gry	PRO	2	py	0.5	dis							po	1	dis/ff	Massive, dark colored, highly magnetic, diabase dike. Orientation line at contact suggest a NW-SE direction.	67.90	67.91	QVN	py			CHD	83.00	84.00	709003	< 0.005					
146.90	147.80	POR	POR		POR					lt	gry	wht	SIL	1	py	0.5	dis/ff										Massive porphyry dike. Trace sulphides	77.80	77.81	QVN	py				84.00	85.00	709004	< 0.005					
147.80	152.00	GST	SLA		ITB					lt	gry		SIL	1	py	1	dis/ff										Silicified, graywacke, minor argillite , weak carbonate veining with disseminated to fracture/foliation fills sulphides pyrite, pyrrholite at 150.2m, 150.4m, 151.55m and 151.75m. Foliations at 149.7m, 150.2, 151.27m and 151.6m.	84.00	84.20	QBX	py				85.00	86.00	709005	< 0.005					
152.00	162.70	GST	SLA		ITB					lt	gry		SIL	0.5	py	0.5	dis/ff										Massive graywacke, some coarser varieties. Trace sulphides. No carbonate veins	89.30	89.50	QBX	py				86.00	87.00	709006	< 0.005					
162.70	166.00	SHR	SLA		FBX					dk	gry	grn	SIL	0.5	py	1	dis/ff										Shear zone, locally broken core, dark, silicified slate/argillite with trace diss pyrite.	90.00	92.00	QBX	py	po			87.00	88.00	709007	< 0.005					
166.00	174.00	GST	SLA		ITB					lt	gry	grn	SIL	0.5	py	0.5	dis/ff											92.40	92.42	QVN	py	chl		COM	88.00	89.00	709008	< 0.005					
174.00	182.50	SHR	GST		FBX					dk	gry	grn	SIL	0.5	py	1	dis/ff										Shear zone, broken core. Weak and narrow qtz-carb vein at 174.1m. Trace diss pyrite. Low core recovery.	92.47	93.30	QVN	py	chl		COM	89.00	90.00	709009	< 0.005					
182.50	186.60	SLA	GST		ITB					dk	gry	grn	SIL	0.5	py	1	dis/ff										Argillite, locally broken core, son,me dark sulfide bearing fractures / stylolothic structures ion places. Low core recovery.	100.30	100.32	QVN	py			COM	90.00	91.00	709010	< 0.005					
186.60	190.10	GST	SLA		ITB					lt	gry	grn	SIL	0.5	py	0.5	dis/ff										Graywacke, coarse, trace sulphides. Narrow qtz-carb vein at 187.65m and 189.7m. Trace diss pyrite	101.41	101.42	QVN	py			COM	91.00	92.00	709011	< 0.005					
190.10	197.70	POR	POR		POR					lt	gry	grn	SIL	0.5	py	0.5	dis										Massive, gray to bluish green porphyritic dike (up to 2mm phenocryst), cut by narrow qtz vein at 192.15m. Trace sulphides.	101.45	101.46	QVN	py			COM	92.00	92.60	709012	< 0.005					
197.70	201.20	SHR	SLA		ITB					dk	gry	grn	SIL	0.5	py	2	dis/ff										Silicified, very dark argillite. Shear/fault zone, locally broken. Sulphides mainly pyrite as diss to fracture fills.	101.88	101.92	QVN	py	chl		COM			709013	0.916					STANDARD
201.20	201.80	POR	GSLA		POR					lt	gry	wht	SIL	0.5	py	1	dis/ff										Broken core mixed porphyry and slate.	102.50	102.53	QVN	py	chl		COM	92.60	93.40	709014	< 0.005					
201.80	204.00	SHR	SLA		ITB					dk	gry	grn	SIL	0.5	py	2	dis/ff											125.52	125.53	MSS	py	po			93.40	94.50	709015	< 0.005					
204.00	226.00	GST	SLA		ITB					lt	gry	grn	PRO	0.5													Massive to locally broken, chlorite altered graywacke with minor argillite, trace sulphides. Bedding contacts at 211.3m, 212.65m, 217.15m, 217.78m and 224.2m. Foliation at 218.3m.	125.62	125.63	MSS	py	po			94.50	95.50	709016	< 0.005					
226.00	231.00	SLA	GST		ITB					lt	gry	grn	PRO	0.5	py	0.5	dis/ff										Trace sulphides. E-W trend, moderate dipping qtz shear veins at 227.25m and 227.57. Bedding at 230.45m.	127.15	127.20	QVN	py	po			95.50	96.50	709017	< 0.005					
231.00	237.20	SCH	SHR		LAM					lt	gry	grn	SIL	1	py	2	dis/ff										Shear zone, argillite with schistose texture, strong qtz-carb sheeted to stockworked veinlets. Sulphides as disseminated to semi-massive (MSS) pyrite in fractures and veinlets at 231.8m, 232.22m, 232.35m and 232.5m.	130.20	130.21	MSS	py	cpy					709018	< 0.005					BLANK

237.20	238.15	POR	POR		POR					lt	gry	wht	SIL	1	py	1	dis/ff										Massive porphyry, locally cut by qtz veinlets at 232.4m, 232.55m and 234.65m (MSS). Disseminate to fracture fill pyrite up to 1%. Contacts is marked by strong slilica-pyrite and qtz veining and stockworked.
238.15	242.35	SCH	SHR		LAM					lt	gry	grn	SIL	1	py	2	dis/ff										Shear zone, argillite, strong qtz-carb sheeted to stockworked veinlets. Sulphides as disseminated to semi-massive (MSS) pyrite in fractures and veinlets at 238.4m, 238.6m, 239m and 241.7m.Prevailing foliation and shear veins follow an E-W trend based on orientation line.
242.35	251.00	POR	POR		POR					lt	gry	wht	SIL	1	py	1	dis/ff										Massive silicified porphyry, trace disseminated to fracture fill pyrites in places.
251.00	252.33	SCH	SHR		ITB					lt	gry	grn	CAB	0.5	py	2	dis/ff										Silicified, shear zone with intense sheeted/stockeworked pyrite veinlets. Strong foliation at 251.2m.
252.33	252.40	QVN	QVN		MAS					lt	wht	wht	SIL	1	py	0.5	dis/ff							To	0.5	ff	Massive, quartz-carbonate-tourmaline vein following an E-W trend, steep dipping orientation.
252.40	253.80	SCH	SHR		ITB					lt	gry	grn	CAB	1	py	1	dis/ff										Masive, foliated argillite, grading to schistose . Abundance of pyritic hairline veinlets in fractures and foliation planes. E-W trending, foliation at 252.96m and 253.2m.
253.80	261.50	POR	POR		MAS					lt	gry		CAB	1	py	1	dis/ff										Massive, silicified, bleach altered porphyry containing strong carbonate veinlets to stockworked, schistosed near sediments contact, local semi-passive pyrite veinlets. Carbonate veins at 254.75m, 254.85m, 256.65m, 257.85m and 258.9m. Foliartion at 258.10m.
261.50	262.32	SCH	SHR		FOL					lt	grn	gry	CAB	1	py	1	dis/ff										Strongly foliated, phylittic sediments containing pyrite (up to 1%) in fractures and foliations. Carbonate veinlets at 261.95m.
262.32	262.45	QVN	SHR		FBX					lt	wht	gry	SIL	1	py	1	dis/ff							Chl	1	ff	Massive, brecciated qtz-carb-chlorite shear vein with trace diss/ff pyrite up to 1%
262.45	262.72	SHR	SCH		FOL					lt	grn	gry	CAB	1	py	2	dis/ff										Broken core, large aggregates of disseminated to infill pyrites. Carbonate in matrix.
262.72	262.80	QVN	SHR		FBX					lt	wht	gry	SIL	1	py	1	dis/ff							Chl	1	ff	Massive, qtz-carb-chlorite shear vein with trace diss/ff pyrite up to 1%
262.80	265.23	POR	POR		MAS					lt	gry		CAB	1	py	1	dis/ff										Massive, silicified, bleach altered porphyry containing strong carbonate veinlets to stockworked, breccated zone. Qtz-carb veins at 263.m, 263.75m and 264.47m. Trace pyrite to locally up to 1%.
265.23	265.40	FTZ	SCH		FBX					lt	grn	gry	CAB	1	py	1	dis/ff										Shear and gougy broken core.
265.40	269.00	SCH	SLA		ITB					lt	grn	gry	CAB	1	py	1	dis/ff										Interbeds of schistose argillite and minor wackes, graphitic, carbonaceous in places. Abundance of dark, sulphidic microfractures with local gouge zones. Qtz-carbonate vainlets at 268.32m, and 268.5m. Foliation planes at 266.6m
269.00	282.75	GST	SLA		ITB					lt	gry		CAB	0.5	py	0.5	dis/ff										Massive graywacke, minor argillite, local E-W trending, shear qtz-carb veins at 275.75m, 277.05m, 277.80m, 279.62m and 279.75m. Trace / specks of pyrites in places. Foliation at 273.1m.
282.75	289.50	POR	POR		POR					lt	gry		CAB	1	py	0.5	dis/ff										Massive, bleach altered porphyry, weak carbonate veining. Few E-W treding, qtz-carb veinleys at 282.82m, 284.5m, 284.96m, 285.27m, 285.5m, 285.65m, 285.8m, 286.8m, 287.7m and 288.65m. at m. Trace trace sulfides.
289.50	308.14	GST	SLA		ITB					lt	gry		CAB	0.5	py	0.5	dis/ff										Shear broken core at 296.2m and 306.65m. Few qtz-carb-pyrite veinlets at 293.8m, 300.51m, 304.62m and 304.67m. Foliation planes at 300.60m, 303.95m, 307.25m and 307.4m.
308.14	308.30	SHR	SCH		FOL					lt	gry		CAB	0.5	py	1	dis/ff										Striongly foliated, locally carbonaceous and pyritic up to 1%, shear zone.
308.30	312.90	SLA	GST		ITB					lt	gry		CAB	0.5	py	1	dis/ff										Strongly foliated with few shear, foliationc ontrolled, pyritic hairline veinlets at 310.15m, 311.55m and 311.9m
312.90	316.10	POR	POR		POR					lt	gry		CAB	1	py	1	dis/ff										Massive, altered porphyry cut by E-W trending, steep dipping, sheeted, qtz-carb veinlets at 313.2m, 313.3m, 313.45m and 313.5m. Sulphides mainly pyrite are trace up to 1%.
316.10	316.16	QVN	QVN		MAS					lt	wht	gry	SIL	1	py	2	dis/ff							Chl	1	ff	Massive, qtz-carb-chlorite with sulphide up to 2%. Gray carbonates common.
316.16	320.55	SCH	GST		ITB					lt	gry		CAB	1	py	2	dis/ff										Strongly foliated, schistose rocks. Disrupted, pyritic bands along foliation planes at 318.5m and 318.93m. Qtz-carbonate veining at 318.54m, 318.6m and 320.30m, following and almost E-W trend..
320.55	321.00	POR	POR		POR					lt	gry		CAB	1	py	0.5	dis/ff										
321.00	322.85	SCH	GST		ITB					lt	gry		CAB	1	py	0.5	dis/ff										Locally broken core in places. Trace sulphides.
322.85	324.20	POR	POR		POR					lt	gry		CAB	1	py	0.5	dis/ff										Altered porphyry, cut by massive qtz-carb-chlorite vein
342.20	324.50	QVN	QVN		MAS					lt	wht	gry	SIL	1	py	0.5	dis/ff							Chl	1	ff	Massive, qtz-carb-chlorite with trace sulphides. Gray carbonates common.
324.50	325.84	POR	POR		POR					lt	gry		CAB	1	py	0.5	dis/ff										
325.84	329.90	SLA	GST		ITB					lt	gry		CAB	1	py	1	dis/ff										Massive, weak carbonate veins to stockworked, foliation at 328.62m. NNE-SSW trending, qtz-carbonate (gray) veining at 328.94m and 329.3m. Disseminated to fracture/vein filling sulphides au to 1%.
329.90	333.00	POR	POR		POR					lt	gry		CAB	1	py	0.5	dis/ff										Massive, silicified porphyry with phenocryst up to 3mm. NNE-SSW trending, Qtz vein at 330.18m. Trace sulphides.
333.00	333.00	EOH																									

131.10	131.11	MSS	py	cpy		
132.60	132.61	MSS	py	cpy		
135.20	135.21	QVN	py	cpy		CHD
136.00	136.01	MSS	py	cpy		
136.69	136.75	MSS	py	cpy	po	
136.80	136.81	MSS	py	cpy	po	
137.50	137.55	MSS	py	cpy	po	
138.20	138.50	QBX	py	po		
135.55	135.56	QVN	py	cpy		CHD
138.65	138.67	QVN	py			CHD
139.50	139.51	QVN	py			CHD
141.70	141.73	QVN	py			CHD
144.60	144.62	QVN	py			CHD
145.00	145.02	QVN	py			CHD
145.32	145.33	QVN	py			CHD
150.20	150.21	MSS	py			
150.40	150.41	MSS	py			
151.55	151.56	MSS	py			
151.75	151.75	MSS	py			
174.10	174.11	QVN	py			CHD
187.65	187.70	QVN	py			
189.70	189.72	QVN	py			
192.15	192.16	QVN	py			
227.25	227.30	QVN	py			
227.57	227.59	QVN	py			
231.80	231.81	MSS	py			
232.22	232.23	MSS	py			
232.35	232.36	QVN	py			
232.50	232.51	QVN	py			
233.40	233.41	QVN	py			
232.55	232.56	QVN	py			
234.65	234.66	MSS	py			
238.30	238.40	MSS	py			
238.60	238.61	MSS	py			
239.00	239.10	QVN	py			
252.33	252.40	QVN	py		to	COM
254.75	254.76	QVN	py			CHD
254.85	254.86	QVN	py			CHD
256.65	256.66	QVN	py			CHD
257.85	257.86	QVN	py			COM
258.90	258.91	MSS	py			
262.20	262.45	QBX	py	chl	to	COM
262.72	262.80	QBX	py	chl	to	COM
263.30	263.50	QVN	py			CHD
263.75	263.76	QVN	py			CHD
265.40	265.41	QVN	py			CHD
268.32	268.33	QVN	py			CHD
268.80	268.81	QVN	py			CHD
275.75	275.76	QVN	py			CHD
277.05	277.06	QVN	py			CHD
277.80	277.81	QVN	py			CHD
279.62	279.63	QVN	py			CHD
279.75	279.76	QVN	py			CHD
282.82	282.83	QVN	py			CHD
284.50	284.51	QVN	py			CHD
284.86	285.87	MSS	py			
285.27	285.30	QVN	py			CHD
285.50	285.55	QVN	py			CHD
285.65	285.66	QVN	py			CHD
285.80	285.81	QVN	py			CHD
286.80	286.81	QVN	py			CHD
287.70	287.90	QVN	py	chl		CHD
288.65	288.68	QVN	py			CHD
293.80	293.81	QVN	py			CHD
300.51	300.52	QVN	py			CHD
304.62	304.63	QVN	py			CHD
304.67	304.68	QVN	py			CHD
310.15	310.16	MSS	py			
311.55	311.56	QVN	py			CHD
311.90	311.95	MSS	py			
313.20	313.21	QSV	py			CHD
313.30	313.32	QSV	py			CHD
313.45	313.47	QSV	py			CHD
313.50	313.55	QSV	py	chl		CHD
316.10	316.16	QVN	py	chl		CHD
318.54	318.55	QVN	py			CHD
318.60	318.61	QVN	py			CHD
320.30	320.35	QVN	py			CHD
324.20	324.50	QVN	py	chl		CHD
328.94	328.95	QVN	py			CHD
329.30	329.31	QVN	py			CHD
330.18	330.20	QVN	py			CHD

96.50	97.70	709019	< 0.005					
97.70	99.00	709020	< 0.005					
99.00	100.10	709021	< 0.005					
100.10	101.00	709022	< 0.005					
101.00	102.00	709023	< 0.005					
102.00	103.00	709024	< 0.005					
125.00	126.00	709025	< 0.005					
126.00	127.00	709026	< 0.005					
127.00	128.00	709027	< 0.005					
128.00	129.00	709028	< 0.005					
129.00	130.00	709029	< 0.005	1	5	< 2	44	
130.00	131.00	709030	< 0.005	< 0.2	53	< 2	41	
131.00	132.00	709031	< 0.005	< 0.2	26	< 2	40	
132.00	133.00	709032	< 0.005	< 0.2	27	< 2	36	
133.00	134.00	709033	< 0.005	< 0.2	18	< 2	47	
134.00	135.00	709034	< 0.005	< 0.2	47	< 2	39	
135.00	136.10	709035	< 0.005	< 0.2	23	< 2	38	
136.10	137.00	709036	< 0.005	< 0.2	198	< 2	40	
		709037	0.062	0.3	361	157	443	STANDARD
137.00	138.00	709038	< 0.005	< 0.2	210	6	46	
138.00	139.00	709039	< 0.005	< 0.2	41	< 2	38	
139.00	140.00	709040	< 0.005					
140.00	141.50	709041	< 0.005					
		709042	< 0.005					BLANK
141.50	142.00	709043	< 0.005					
142.00	143.50	709044	< 0.005					
143.50	144.50	709045	< 0.005					
144.50	146.00	709046	< 0.005					
146.00	147.50	709047	< 0.005					
147.50	148.50	709048	< 0.005					
148.50	149.50	709049	< 0.005					
149.50	150.50	709050	< 0.005					
150.50	151.50	709051	< 0.005					
151.50	152.50	709052	< 0.005					
162.70	164.00	709053	< 0.005					
164.00	165.00	709054	< 0.005					
165.00	166.00	709055	< 0.005					
166.00	167.00	709056	< 0.005					
167.00	168.00	709057	< 0.005					
168.00	169.00	709058	< 0.005					
174.00	175.00	709059	< 0.005					
175.00	176.00	709060	< 0.005					
176.00	177.00	709061	< 0.005					
177.00	178.00	709062	< 0.005					
178.00	179.00	709063	< 0.005					
179.00	180.00	709064	< 0.005					
180.00	181.00	709065	< 0.005					
181.00	182.00	709066	< 0.005					
187.00	188.00	709067	< 0.005					
188.00	189.00	709068	< 0.005					
189.00	190.00	709069	< 0.005					
190.00	191.00	709070	< 0.005					
197.00	198.00	709071	< 0.005					
198.00	199.00	709072	< 0.005					
199.00	200.00	709073	< 0.005					
200.00	201.00	709074	< 0.005					
201.00	202.00	709075	< 0.005					
202.00	203.00	709076	< 0.005					
203.00	204.00	709077	< 0.005					
204.00	205.00	709078	< 0.005					
205.00	206.10	709079	< 0.005					
226.00	227.10	709080	< 0.005					
		709081	1.03					STANDARD
227.10	227.60	709082	< 0.005					
227.60	229.00	709083	< 0.005					
229.00	230.00	709084	< 0.005					
230.00	231.00	709085	< 0.005					
		709086	< 0.005					BLANK
231.00	232.00	709087	< 0.005					
232.00	233.00	709088	< 0.005					
233.00	234.00	709089	< 0.005					
234.00	235.00	709090	< 0.005					
235.00	236.00	709091	< 0.005					
236.00	237.00	709092	< 0.005					
237.00	238.00	709093	< 0.005					
238.00	239.00	709094	< 0.005					
239.00	240.00	709095	< 0.005					
240.00	241.00	709096	< 0.005					
241.00	242.00	709097	< 0.005					
242.00	243.00	709098	< 0.005					
243.00	244.00	709099	< 0.005					
244.00	245.00	709100	< 0.005					
245.00	246.00	709101	< 0.005					
246.00	247.00	709102	< 0.005					
247.00	248.00	709103	< 0.005					

ROCK UNIT AND LITHOLOGY CODES

Regolith
- OVB Overburden

Clastic Sedimentary Rocks
- SHL Shale
- BSH Black Shale
- GSH Graphitic Shale
- CSH Calcareous Shale
- MST Mudstone
- SLT Siltstone
- SST Sandstone
- CST Calcareous Sandstone
- AST Arenaceous Sandstone
- GST Graywacke Sandstone
- CGL Conglomerate

Chemical Sedimentary Rocks
- DOL Dolomite
- LST Limestone
- CIF Iron Formation
- COX Oxide Facies
- COS Sulfide Facies
- CGF Graphite Facies
- CHE Chert-Silica Facies

Interpreted Sedimentary Rocks
- ISS Interbedded Shale/Siltstone
- SSI Interbedded Shale/Sandstone
- SIS Interbedded Siltstone/Sandstone
- SSS Interbedded Shale/Siltstone/Sandstone

Igneous Rocks
- GRN Granite
- PEG Pegmatite
- SYE Syenite
- MON Monzonite
- DIO Diorite
- GRD Granodiorite
- TON Tonalite
- GAB Gabbro
- PER Peridotite
- PYR Pyroxenite
- GRP Granophyre
- RHY Rhyollite
- AND Andesite
- BAS Basalt
- TUF Tuff
- LTF Lapilli Tuff
- TBX Tuff Breccia
- PBX Pyroclastic Breccia
- TLE Tholeiite
- KME Komatiite
- POR Porphyry Intrusions
- QFP Quartz/Feldspar Porphyry
- DAC Dacite
- URX Undifferentiated Rocks
- DIA Diabase

Metamorphic Rocks
- SLA Slate / Argillite
- SCH Schist
- PHY Phyllite
- QZT Quartzite
- MAB Marble
- GNE Gneiss
- HFS Hornfels
- AMP Amphibolite

General Code
- NON No Sampling
- CLO Core Lost (For Geotech/Core Only)
- UNF Undefined/Undifferentiated
- LND Landfill

Structural Zone
- SHR Shear Zone
- BRX Brecciated Zone
- FTZ Fault Gouge
- RCT Rock Contact

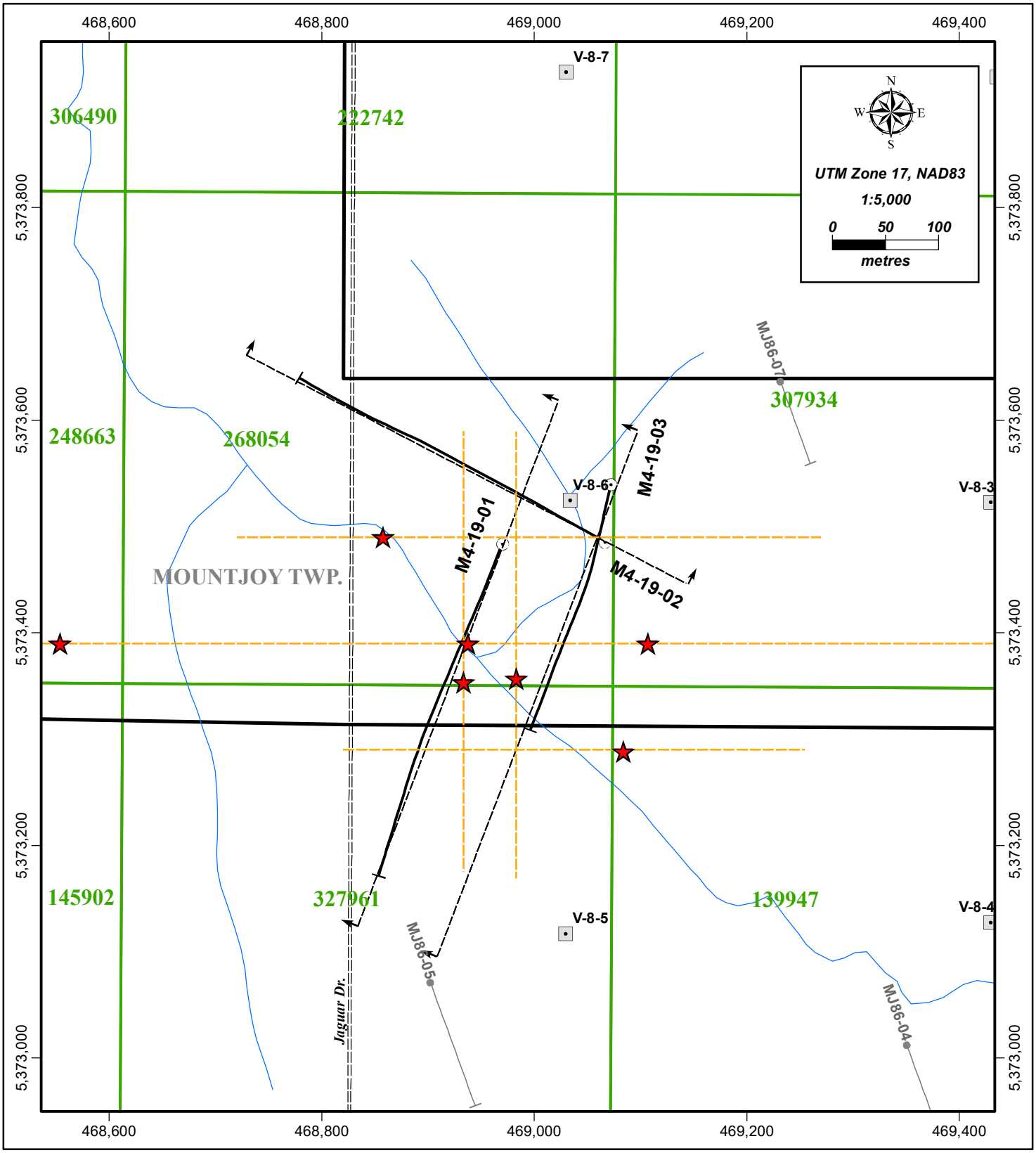
Mineralized Veins
- QPA Vuggy Quartz-Sulfide Vein
- QVN Massive Quartz-Sulfide Vein
- QSV Sheeted Quartz-Sulfide Vein
- QBX Brecciated Quartz-Sulfide Vein
- HBX Hydrothermal Breccia (Fluidized) Quartz-Sulfide Vein
- QTZ Quartz stockwork zone
- QTV Quartz Tension Veins
- MSS Massive Sulfide Veins
- STV Stringer /Veinlets
- HBX Hydrothermal Breccia (Fluidized) Quartz-Sulfide Vein
- QTZ Quartz stockwork zone
- QTV Quartz Tension Veins
- MSS Massive Sulfide Veins
- STV Stringer /Veinlets

Alteration Association
- CAB Carbonate (Ca-Fe-Mg)-Include ankerite, fuschite-Tourmaline
- ARG Clay Alteration
- SIL Silica -Sulfide Alteration
- PRO Propylitic (Chlorite-Epidote)
- SPN Serpentinization (Ultrabasic Rocks)
- SER Sericitic Alteration
- ATD Intensely Altered Rocks
- UAD Undifferentiated Alteration
- UNA Unaltered Rocks

248.00	249.00	709104	< 0.005					
249.00	250.00	709105	< 0.005					
250.00	251.00	709106	< 0.005					
251.00	252.00	709107	< 0.005					
252.00	252.50	709108	< 0.005					
252.50	253.30	709109	< 0.005					
253.30	254.00	709110	< 0.005					
254.00	255.00	709111	< 0.005					
255.00	256.00	709112	< 0.005					
256.00	257.00	709113	< 0.005					
257.00	258.00	709114	< 0.005					
258.00	259.00	709115	< 0.005					
259.00	260.00	709116	< 0.005					
260.00	261.00	709117	< 0.005					
261.00	262.00	709118	< 0.005					
		709119	0.956					STANDARD
262.00	262.50	709120	< 0.005					
262.50	263.00	709121	< 0.005					
263.00	263.60	709122	< 0.005					
263.60	264.60	709123	< 0.005					
		709124	< 0.005					BLANK
264.60	265.10	709125	< 0.005					
265.10	265.60	709126	< 0.005					
265.60	266.60	709127	< 0.005					
266.60	268.00	709128	< 0.005					
268.00	269.00	709129	< 0.005					
282.00	283.00	709130	< 0.005					
283.00	284.00	709131	< 0.005					
284.00	284.70	709132	< 0.005					
284.70	285.30	709133	< 0.005					
285.30	285.80	709134	< 0.005					
285.80	286.70	709135	< 0.005					
286.70	287.60	709136	< 0.005					
287.60	288.50	709137	< 0.005					
288.50	289.50	709138	< 0.005					
289.50	291.00	709139	< 0.005					
295.80	297.00	709140	< 0.005					
300.20	301.10	709141	< 0.005					
306.90	308.00	709142	0.005					
308.00	309.30	709143	< 0.005					
309.30	310.70	709144	< 0.005					
310.70	312.00	709145	< 0.005					
312.00	312.90	709146	< 0.005					
		709147	0.919					STANDARD
312.90	313.60	709148	< 0.005					
313.60	314.50	709149	< 0.005					
314.50	315.80	709150	< 0.005					
315.80	316.30	70151	< 0.005					
		709152	< 0.005					BLANK
316.30	317.00	709153	< 0.005					
317.00	318.00	709154	< 0.005					
318.00	319.00	709155	< 0.005					
319.00	320.00	709156	< 0.005					
320.00	321.00	709157	< 0.005					
321.00	322.00	709158	< 0.005					
322.00	322.90	709159	< 0.005					
322.90	324.00	709160	< 0.005					
324.00	325.00	709161	< 0.005					
325.00	326.00	709162	< 0.005					
326.00	327.00	709163	< 0.005					
327.00	328.00	709164	< 0.005					
328.00	328.80	709165	< 0.005					
328.80	329.90	709166	< 0.005					
		709167	0.867					STANDARD
329.90	331.00	709168	< 0.005					
331.00	332.00	709169	< 0.005					
332.00	333.00	709170	< 0.005					
		709171	< 0.005					BLANK

Appendix B

CTEC Drill Holes M4-19-01, 02 and 03 Plan and Sections



LEGEND

Roads

- *Secondary*
- *Creek*

- *Operational Cell Claim*
- *Legacy Claim*
- *Pulse EM Line*
- *Pulse EM Anomaly*

Drill Hole Traces

- *CTEC 2019 Drill Hole*
- *Section Line*
- *Historical Overburden Hole*
- *Historical DDH*

CENTRAL TIMMINS EXPLORATION CORP.

MOUNTJOY TOWNSHIP

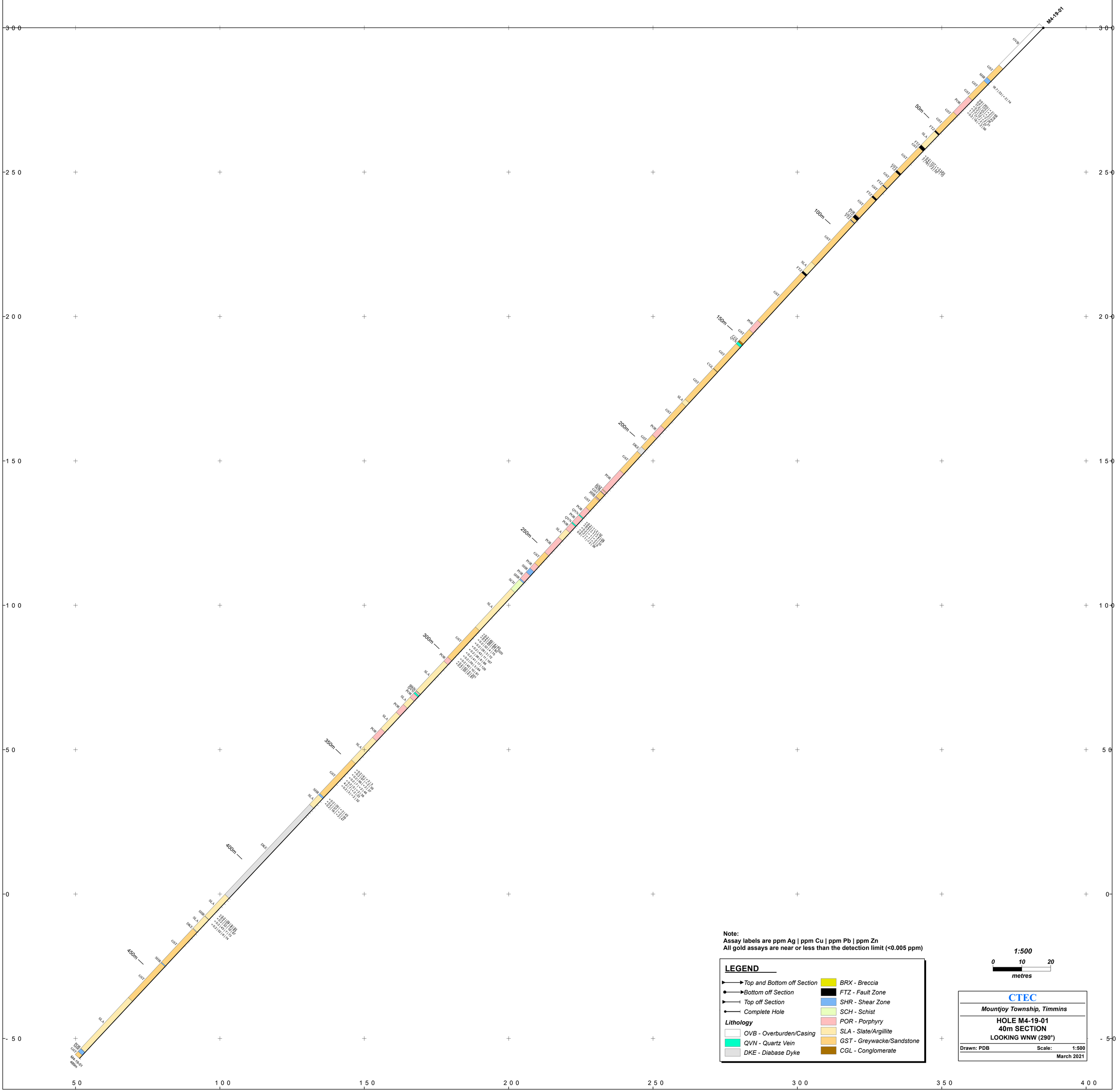
M4 TARGET DRILL HOLE LAYOUT

March 12, 2021

CLAIM [illegible] | CLAIM 268054

SSW (200°)

NNE (020°)



Note:
Assay labels are ppm Ag | ppm Cu | ppm Pb | ppm Zn
All gold assays are near or less than the detection limit (<0.005 ppm)

LEGEND

- Top and Bottom off Section
- Bottom off Section
- Top off Section
- Complete Hole

Lithology

- OVB - Overburden/Casing
- QVN - Quartz Vein
- DKE - Diabase Dyke
- BRX - Breccia
- FTZ - Fault Zone
- SHR - Shear Zone
- SCH - Schist
- POR - Porphyry
- SLA - Slate/Argillite
- GST - Greywacke/Sandstone
- CGL - Conglomerate

1:500

0 10 20

metres

CTEC

Mountjoy Township, Timmins

HOLE M4-19-01
40m SECTION
LOOKING WNW (290°)

Drawn: PDB | Scale: 1:500 | March 2021

CLAIM 268054

WNW (297°)

ESE (117°)

M4-19-02

M4-19-03

14.93m

M4-19-03
127.098m

M4-19-02
450m

Note:
Assay labels are ppm Ag | ppm Cu | ppm Pb | ppm Zn
All gold assays are near or less than the detection limit (<0.005 ppm)

LEGEND

- Top and Bottom off Section
- Bottom off Section
- Top off Section
- Complete Hole

Lithology

- OVB - Overburden/Casing
- QVN - Quartz Vein
- DKE - Diabase Dyke
- BRX - Breccia
- FTZ - Fault Zone
- SHR - Shear Zone
- SCH - Schist
- POR - Porphyry
- SLA - Slate/Argillite
- GST - Greywacke/Sandstone
- CGL - Conglomerate

1:500

0 10 20

metres

CTEC

Mountjoy Township, Timmins

HOLE M4-19-02
40m SECTION
LOOKING NNE (027°)

Drawn: PDB Scale: 1:500

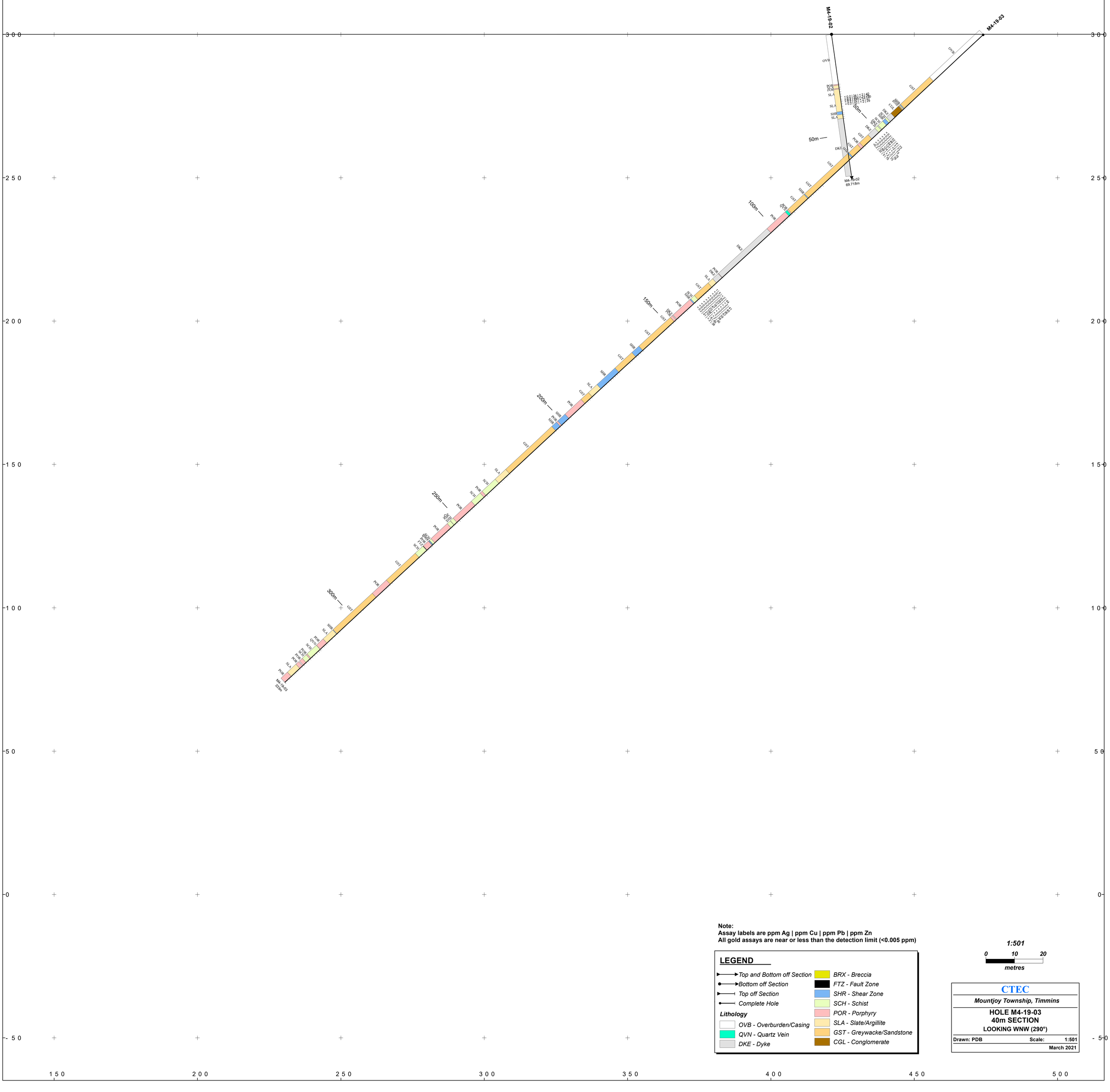
March 2021

SSW (200°)

CLAIM P2[illegible]62 | CLAIM 268054

CLAIM 268054 | CLAIM P0[illegible]4

NNE (020°)



Note:
Assay labels are ppm Ag | ppm Cu | ppm Pb | ppm Zn
All gold assays are near or less than the detection limit (<0.005 ppm)

LEGEND

- *Top and Bottom off Section*
- *Bottom off Section*
- *Top off Section*
- *Complete Hole*

Lithology

- *OVB - Overburden/Casing*
- *QVN - Quartz Vein*
- *DKE - Dyke*
- *BRX - Breccia*
- *FTZ - Fault Zone*
- *SHR - Shear Zone*
- *SCH - Schist*
- *POR - Porphyry*
- *SLA - Slate/Argillite*
- *GST - Greywacke/Sandstone*
- *CGL - Conglomerate*

1:501

0 10 20

metres

CTEC

Mountjoy Township, Timmins

HOLE M4-19-03
40m SECTION
LOOKING WNW (290°)

Drawn: PDB **Scale: 1:501**

March 2021

Appendix C

Assay Certificates

A19-05532, A19-10782

Quality Analysis ... *Innovative Technologies*

Date Submitted: 16-Apr-19
Invoice No.: A19-05532
Invoice Date: 15-May-19
Your Reference: April 16/2019

Central Timmins Explo Corp
4950 Yonge Street Suite 1008
Toronto
Ontario
M2N 6K1

ATTN: Peter Gryba

CERTIFICATE OF ANALYSIS

200 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

Code 1E3-Timmins Aqua Regia ICP(AQUAGEO)

REPORT **A19-05532**

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.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28801	< 0.005	18.7	< 0.5	33	628	< 1	71	< 2	74	2.90	3	< 10	67	< 0.5	< 2	0.51	19	124	4.64	10	< 1	0.10	55
28802	< 0.005	0.6	< 0.5	203	520	< 1	63	< 2	68	2.61	2	< 10	75	< 0.5	< 2	0.46	18	87	4.02	< 10	< 1	0.11	16
28803	< 0.005	0.6	< 0.5	173	607	< 1	75	< 2	78	3.18	3	< 10	72	< 0.5	< 2	0.45	22	114	4.88	10	< 1	0.10	< 10
28804	< 0.005	17.5	< 0.5	23	321	< 1	30	< 2	43	1.74	< 2	< 10	74	< 0.5	< 2	0.24	9	51	2.62	< 10	< 1	0.11	< 10
28805	< 0.005	< 0.2	< 0.5	8	176	< 1	12	< 2	26	1.24	< 2	< 10	94	< 0.5	< 2	0.14	6	13	1.63	< 10	< 1	0.15	< 10
28806	< 0.005	< 0.2	< 0.5	12	187	< 1	14	< 2	31	1.35	< 2	< 10	104	< 0.5	< 2	0.14	7	14	1.74	< 10	< 1	0.16	< 10
28807	< 0.005	1.1	< 0.5	17	262	< 1	10	< 2	27	1.16	< 2	< 10	82	< 0.5	< 2	0.18	6	14	1.59	< 10	< 1	0.11	< 10
28808	< 0.005	< 0.2	< 0.5	16	453	< 1	43	< 2	56	2.31	< 2	< 10	90	< 0.5	< 2	0.45	16	64	3.49	< 10	< 1	0.11	34
28809	< 0.005																						
28810	< 0.005																						
28811	< 0.005																						
28812	< 0.005																						
28813	< 0.005																						
28814	< 0.005																						
28815	0.991	< 0.2	< 0.5	49	489	6	31	5	54	1.48	8	< 10	179	< 0.5	< 2	1.11	9	49	2.97	< 10	< 1	0.10	< 10
28816	0.005																						
28817	< 0.005																						
28818	< 0.005																						
28819	< 0.005																						
28820	0.005																						
28821	< 0.005																						
28822	< 0.005																						
28823	< 0.005																						
28824	< 0.005																						
28825	< 0.005	< 0.2	< 0.5	117	502	< 1	60	< 2	70	2.94	< 2	< 10	81	< 0.5	< 2	0.39	16	77	4.28	< 10	< 1	0.15	23
28826	< 0.005	< 0.2	< 0.5	121	502	< 1	66	< 2	72	3.07	< 2	< 10	95	< 0.5	< 2	0.42	19	70	4.36	< 10	< 1	0.17	23
28827	< 0.005	7.0	< 0.5	79	512	< 1	63	< 2	70	3.02	6	< 10	82	< 0.5	< 2	0.36	21	85	4.35	< 10	< 1	0.13	20
28828	< 0.005																						
28829	< 0.005																						
28830	< 0.005																						
28831	< 0.005																						
28832	< 0.005																						
28833	0.006																						
28834	0.005																						
28835	< 0.005																						
28836	0.005																						
28837	0.006																						
28838	0.005																						
28839	< 0.005																						
28840	0.944																						
28841	0.006																						
28842	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28843	< 0.005																						
28844	0.005																						
28845	< 0.005																						
28846	< 0.005																						
28847	< 0.005																						
28848	< 0.005																						
28849	< 0.005																						
28850	< 0.005																						
28851	< 0.005																						
28852	< 0.005																						
28853	< 0.005																						
28854	0.005																						
28855	0.007																						
28856	0.007																						
28857	0.005																						
28858	0.007																						
28859	0.005																						
28860	0.005																						
28861	0.007																						
28862	0.006																						
28863	0.009																						
28864	0.006																						
28865	0.006																						
28866	< 0.005																						
28867	0.006																						
28868	0.006																						
28869	0.007																						
28870	0.011																						
28871	0.009																						
28872	0.007																						
28873	0.006																						
28874	0.006																						
28875	0.974																						
28876	0.007	< 0.2	< 0.5	1	184	< 1	7	2	32	0.84	< 2	< 10	45	< 0.5	< 2	2.52	5	8	1.01	< 10	< 1	0.10	< 10
28877	0.008	< 0.2	< 0.5	< 1	150	< 1	4	< 2	28	0.75	< 2	< 10	45	< 0.5	< 2	1.66	4	9	1.01	< 10	< 1	0.09	< 10
28878	0.008	< 0.2	< 0.5	< 1	181	< 1	4	< 2	27	0.74	< 2	< 10	47	< 0.5	< 2	2.56	4	9	0.93	< 10	< 1	0.09	< 10
28879	0.007	< 0.2	< 0.5	< 1	152	< 1	6	< 2	33	0.91	< 2	< 10	48	< 0.5	< 2	1.37	5	9	1.10	< 10	< 1	0.10	< 10
28880	0.007																						
28881	0.007	< 0.2	< 0.5	< 1	132	1	< 1	< 2	9	0.23	< 2	< 10	24	< 0.5	< 2	2.06	1	9	0.54	< 10	< 1	0.04	< 10
28882	0.006	0.9	< 0.5	< 1	188	< 1	7	< 2	38	1.00	< 2	< 10	53	< 0.5	< 2	1.88	6	10	1.26	< 10	< 1	0.10	< 10
28883	0.007																						
28884	0.008																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28885	0.005																						
28886	0.006																						
28887	0.006																						
28888	0.006																						
28889	0.005																						
28890	0.005																						
28891	0.007																						
28892	0.009																						
28893	0.006																						
28894	0.006																						
28895	0.006																						
28896	0.006																						
28897	0.006																						
28898	0.982																						
28899	0.006																						
28900	0.007																						
28901	0.006																						
28902	0.005																						
28903	0.005																						
28904	0.006																						
28905	0.006																						
28906	0.006																						
28907	0.007																						
28908	0.007																						
28909	0.008																						
28910	0.005																						
28911	0.005																						
28912	0.006	< 0.2	< 0.5	40	552	2	68	4	83	2.35	17	< 10	56	< 0.5	< 2	2.02	20	67	3.91	< 10	< 1	0.11	22
28913	0.006	< 0.2	3.4	48	525	< 1	72	89	1020	2.38	16	< 10	61	< 0.5	< 2	1.79	21	69	3.93	< 10	< 1	0.12	23
28914	0.005	< 0.2	< 0.5	45	535	< 1	63	3	80	2.25	11	< 10	50	< 0.5	< 2	1.86	19	67	3.85	< 10	< 1	0.10	18
28915	0.007	< 0.2	< 0.5	32	564	< 1	49	4	75	2.18	8	< 10	58	< 0.5	< 2	2.49	16	52	3.31	< 10	< 1	0.12	19
28916	0.007	< 0.2	< 0.5	28	523	< 1	44	3	72	2.07	6	< 10	50	< 0.5	< 2	1.87	15	55	3.31	< 10	< 1	0.09	17
28917	0.080	< 0.2	< 0.5	43	538	< 1	64	11	167	2.28	12	< 10	64	< 0.5	< 2	1.61	21	67	3.82	< 10	< 1	0.11	22
28918	0.006	< 0.2	< 0.5	38	499	< 1	47	8	88	2.18	10	< 10	51	< 0.5	< 2	1.13	16	70	3.75	< 10	< 1	0.09	32
28919	0.005	< 0.2	< 0.5	41	628	< 1	56	17	129	2.19	11	< 10	58	< 0.5	< 2	2.39	18	75	3.81	< 10	< 1	0.10	18
28920	0.011	< 0.2	< 0.5	29	451	2	51	3	64	2.11	7	< 10	50	< 0.5	< 2	1.43	16	57	3.30	< 10	< 1	0.10	23
28921	0.005	< 0.2	< 0.5	42	575	< 1	62	10	81	2.02	5	< 10	49	< 0.5	< 2	2.06	18	68	3.47	< 10	< 1	0.10	19
28922	0.006	< 0.2	0.6	62	448	< 1	54	5	201	2.44	3	< 10	47	< 0.5	< 2	0.80	17	70	3.72	< 10	< 1	0.09	14
28923	< 0.005	< 0.2	< 0.5	50	481	< 1	55	6	81	2.20	< 2	< 10	48	< 0.5	< 2	1.93	17	63	3.82	< 10	< 1	0.10	20
28924	< 0.005																						
28925	0.999																						
28926	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28927	< 0.005																						
28928	< 0.005																						
28929	< 0.005																						
28930	< 0.005																						
28931	< 0.005																						
28932	< 0.005																						
28933	< 0.005																						
28934	< 0.005																						
28935	< 0.005																						
28936	< 0.005																						
28937	< 0.005																						
28938	< 0.005																						
28939	< 0.005																						
28940	0.005																						
28941	< 0.005																						
28942	< 0.005																						
28943	< 0.005																						
28944	< 0.005																						
28945	0.005																						
28946	0.006																						
28947	< 0.005																						
28948	< 0.005																						
28949	< 0.005																						
28950	< 0.005																						
28951	< 0.005																						
28952	< 0.005																						
28953	0.006																						
28954	0.028																						
28955	0.046																						
28956	< 0.005																						
28957	< 0.005																						
28958	1.03																						
28959	< 0.005	< 0.2	< 0.5	6	39	< 1	7	< 2	3	0.22	< 2	< 10	< 10	< 0.5	< 2	0.05	2	11	0.35	< 10	< 1	0.01	< 10
28960	0.005	< 0.2	< 0.5	97	440	1	73	< 2	39	2.41	< 2	< 10	53	< 0.5	< 2	0.43	18	126	3.73	10	< 1	0.11	13
28961	0.006	< 0.2	< 0.5	95	444	1	74	< 2	37	2.42	< 2	< 10	56	< 0.5	< 2	0.44	18	126	3.72	10	< 1	0.12	13
28962	< 0.005	< 0.2	< 0.5	7	515	< 1	76	< 2	46	2.87	< 2	< 10	23	< 0.5	< 2	0.40	18	147	4.45	20	< 1	0.03	13
28963	< 0.005	0.5	< 0.5	24	393	3	17	2	42	1.45	2	< 10	151	< 0.5	< 2	1.00	10	27	2.30	< 10	< 1	0.08	< 10
28964	< 0.005	< 0.2	< 0.5	5	474	< 1	73	< 2	38	2.92	< 2	< 10	38	0.6	< 2	0.42	18	137	4.46	20	< 1	0.08	13
28965	< 0.005	4.2	< 0.5	7	472	< 1	69	< 2	33	2.69	< 2	< 10	29	0.6	< 2	0.43	13	137	4.34	10	< 1	0.06	19
28966	< 0.005	< 0.2	< 0.5	3	445	< 1	59	< 2	32	2.52	< 2	< 10	27	0.5	< 2	0.79	10	135	4.02	10	< 1	0.05	11
28967	< 0.005	< 0.2	< 0.5	25	485	< 1	71	< 2	43	2.55	< 2	< 10	40	< 0.5	< 2	0.44	16	137	4.06	10	< 1	0.11	17
28968	< 0.005	< 0.2	< 0.5	37	463	< 1	68	< 2	39	2.45	< 2	< 10	48	< 0.5	< 2	0.47	18	124	3.73	10	< 1	0.13	18

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28969	< 0.005	< 0.2	< 0.5	16	498	< 1	70	< 2	47	2.30	< 2	< 10	35	< 0.5	< 2	0.47	17	124	3.87	10	< 1	0.08	15
28970	< 0.005																						
28971	< 0.005																						
28972	< 0.005																						
28973	0.005																						
28974	< 0.005																						
28975	< 0.005																						
28976	< 0.005																						
28977	0.005																						
28978	< 0.005																						
28979	0.005																						
28980	< 0.005																						
28981	< 0.005																						
28982	0.005	< 0.2	< 0.5	29	435	< 1	56	9	91	1.66	11	< 10	24	< 0.5	< 2	2.53	18	134	3.11	10	< 1	0.03	24
28983	0.006	< 0.2	< 0.5	27	556	< 1	62	8	63	2.30	5	< 10	55	< 0.5	< 2	0.95	18	117	3.89	10	< 1	0.12	21
28984	0.006	< 0.2	< 0.5	32	588	< 1	60	10	87	2.04	2	< 10	33	< 0.5	< 2	2.31	15	121	3.52	< 10	< 1	0.06	20
28985	0.033	< 0.2	< 0.5	43	575	< 1	71	7	73	2.19	< 2	< 10	82	< 0.5	< 2	1.45	19	108	3.53	10	< 1	0.15	22
28986	< 0.005	0.2	< 0.5	23	356	3	16	2	38	1.29	3	< 10	137	< 0.5	< 2	0.90	9	25	2.09	< 10	< 1	0.08	< 10
28987	0.090	< 0.2	< 0.5	52	563	< 1	69	6	74	2.32	< 2	< 10	87	< 0.5	< 2	1.58	19	101	3.76	10	< 1	0.16	26
28988	0.005																						
28989	0.005																						
28990	0.005																						
28991	0.005																						
28992	0.005																						
28993	0.005																						
28994	0.006																						
28995	0.006																						
28996	0.007																						
28997	0.010																						
28998	0.007																						
28999	0.005																						
29000	0.005																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28801	2.35	0.052	0.104	0.02	< 2	8	17	0.21	< 20	4	< 2	< 10	71	< 10	6	10
28802	2.15	0.054	0.101	0.06	< 2	6	16	0.20	< 20	< 1	< 2	< 10	59	< 10	5	15
28803	2.92	0.045	0.116	0.06	< 2	8	16	0.16	< 20	1	< 2	< 10	68	< 10	6	15
28804	1.53	0.063	0.049	0.02	< 2	4	12	0.08	< 20	< 1	< 2	< 10	28	< 10	3	11
28805	1.03	0.073	0.021	< 0.01	< 2	1	13	0.04	< 20	< 1	< 2	< 10	11	< 10	1	6
28806	1.09	0.080	0.021	< 0.01	< 2	2	12	0.04	< 20	< 1	< 2	< 10	12	< 10	1	7
28807	0.93	0.081	0.020	< 0.01	< 2	2	17	0.06	< 20	< 1	< 2	< 10	12	< 10	1	7
28808	1.91	0.072	0.084	0.07	< 2	6	28	0.18	< 20	3	< 2	< 10	51	< 10	4	16
28809																
28810																
28811																
28812																
28813																
28814																
28815	0.62	0.101	0.058	0.06	< 2	5	47	0.15	< 20	< 1	< 2	< 10	81	18	8	10
28816																
28817																
28818																
28819																
28820																
28821																
28822																
28823																
28824																
28825	2.66	0.030	0.095	0.06	< 2	4	13	0.15	< 20	4	< 2	< 10	42	< 10	6	12
28826	2.93	0.032	0.095	0.14	< 2	5	14	0.15	< 20	< 1	< 2	< 10	43	< 10	6	13
28827	2.85	0.035	0.091	0.13	< 2	4	13	0.11	< 20	2	< 2	< 10	46	< 10	6	12
28828																
28829																
28830																
28831																
28832																
28833																
28834																
28835																
28836																
28837																
28838																
28839																
28840																
28841																
28842																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28843																
28844																
28845																
28846																
28847																
28848																
28849																
28850																
28851																
28852																
28853																
28854																
28855																
28856																
28857																
28858																
28859																
28860																
28861																
28862																
28863																
28864																
28865																
28866																
28867																
28868																
28869																
28870																
28871																
28872																
28873																
28874																
28875																
28876	0.46	0.058	0.020	0.05	< 2	< 1	41	< 0.01	< 20	< 1	< 2	< 10	5	< 10	< 1	3
28877	0.41	0.060	0.019	0.06	< 2	< 1	26	< 0.01	< 20	< 1	< 2	< 10	4	< 10	< 1	3
28878	0.39	0.062	0.017	0.03	< 2	< 1	43	< 0.01	< 20	< 1	< 2	< 10	4	< 10	< 1	3
28879	0.49	0.069	0.020	0.03	< 2	< 1	27	< 0.01	< 20	1	< 2	< 10	6	< 10	< 1	5
28880																
28881	0.11	0.039	0.010	0.03	< 2	< 1	25	< 0.01	< 20	< 1	< 2	< 10	1	< 10	< 1	2
28882	0.57	0.072	0.022	0.05	< 2	< 1	30	< 0.01	< 20	1	< 2	< 10	7	< 10	1	4
28883																
28884																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28885																
28886																
28887																
28888																
28889																
28890																
28891																
28892																
28893																
28894																
28895																
28896																
28897																
28898																
28899																
28900																
28901																
28902																
28903																
28904																
28905																
28906																
28907																
28908																
28909																
28910																
28911																
28912	1.28	0.040	0.069	0.14	< 2	7	87	0.13	< 20	1	< 2	< 10	44	< 10	8	9
28913	1.29	0.041	0.071	0.22	< 2	8	69	0.14	< 20	< 1	< 2	< 10	48	< 10	8	11
28914	1.26	0.038	0.067	0.18	< 2	6	81	0.12	< 20	< 1	< 2	< 10	41	< 10	6	8
28915	1.23	0.044	0.066	0.10	< 2	5	83	0.14	< 20	< 1	< 2	< 10	35	< 10	6	11
28916	1.19	0.043	0.061	0.10	< 2	5	76	0.12	< 20	< 1	< 2	< 10	35	< 10	6	8
28917	1.28	0.040	0.072	0.18	< 2	7	64	0.11	< 20	1	< 2	< 10	40	< 10	7	12
28918	1.32	0.044	0.064	0.14	< 2	7	22	0.11	< 20	< 1	< 2	< 10	41	< 10	6	14
28919	1.23	0.050	0.067	0.18	< 2	6	58	0.09	< 20	< 1	< 2	< 10	40	< 10	7	12
28920	1.29	0.042	0.060	0.04	< 2	5	33	0.10	< 20	< 1	< 2	< 10	33	< 10	6	16
28921	1.16	0.048	0.064	0.22	< 2	5	48	0.04	< 20	< 1	< 2	< 10	35	< 10	7	13
28922	1.83	0.043	0.064	0.15	< 2	6	17	0.07	< 20	2	< 2	< 10	43	< 10	5	16
28923	1.28	0.039	0.067	0.24	< 2	5	39	0.03	< 20	1	< 2	< 10	33	< 10	7	13
28924																
28925																
28926																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28927																
28928																
28929																
28930																
28931																
28932																
28933																
28934																
28935																
28936																
28937																
28938																
28939																
28940																
28941																
28942																
28943																
28944																
28945																
28946																
28947																
28948																
28949																
28950																
28951																
28952																
28953																
28954																
28955																
28956																
28957																
28958																
28959	0.17	0.007	0.008	0.02	< 2	< 1	3	0.02	< 20	< 1	< 2	< 10	7	< 10	< 1	2
28960	2.11	0.086	0.080	0.10	< 2	9	23	0.17	< 20	< 1	< 2	< 10	89	< 10	9	16
28961	2.13	0.089	0.080	0.11	< 2	9	24	0.18	< 20	< 1	< 2	< 10	90	< 10	9	17
28962	2.99	0.118	0.091	0.04	< 2	9	22	0.14	< 20	< 1	< 2	< 10	97	< 10	7	15
28963	0.57	0.092	0.056	0.05	< 2	5	42	0.15	< 20	< 1	< 2	< 10	66	29	8	10
28964	2.93	0.123	0.090	0.10	< 2	10	27	0.16	< 20	< 1	< 2	< 10	99	< 10	8	19
28965	2.63	0.115	0.085	0.12	< 2	9	34	0.16	< 20	< 1	< 2	< 10	93	< 10	8	17
28966	2.61	0.096	0.080	0.08	< 2	10	31	0.17	< 20	< 1	< 2	< 10	107	< 10	9	18
28967	2.35	0.107	0.077	0.08	< 2	10	27	0.20	< 20	1	< 2	< 10	97	< 10	9	17
28968	2.24	0.099	0.070	0.06	< 2	10	26	0.24	< 20	3	< 2	< 10	95	< 10	9	20

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28969	2.11	0.090	0.072	0.08	< 2	10	29	0.21	< 20	< 1	< 2	< 10	90	< 10	9	16
28970																
28971																
28972																
28973																
28974																
28975																
28976																
28977																
28978																
28979																
28980																
28981																
28982	1.27	0.073	0.077	0.05	< 2	10	35	0.22	< 20	4	< 2	< 10	89	< 10	7	14
28983	1.63	0.072	0.078	0.06	< 2	9	50	0.17	< 20	1	< 2	< 10	80	< 10	8	12
28984	1.45	0.066	0.070	0.07	< 2	8	79	0.16	< 20	< 1	< 2	< 10	68	< 10	7	10
28985	1.31	0.096	0.081	0.18	< 2	8	114	0.16	< 20	< 1	< 2	< 10	73	< 10	8	10
28986	0.51	0.082	0.052	0.04	< 2	5	38	0.14	< 20	< 1	< 2	< 10	59	28	7	9
28987	1.36	0.102	0.085	0.25	< 2	8	118	0.17	< 20	< 1	< 2	< 10	70	< 10	8	12
28988																
28989																
28990																
28991																
28992																
28993																
28994																
28995																
28996																
28997																
28998																
28999																
29000																

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas		29.4	2.5	1200	828	14	31	675	702	0.33	396	< 10	360	0.8	1460	0.76	5	6	23.0	< 10	4	0.03	< 10
GXR-1 Cert		31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90	0.050	7.50
GXR-6 Meas		0.8	< 0.5	64	990	1	18	91	121	6.72	241	< 10	1270	0.8	< 2	0.17	11	75	5.14	10	< 1	0.89	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 134b (AQUA REGIA) Meas		> 100	533	1310				> 5000	> 10000		219						90		11.0				
OREAS 134b (AQUA REGIA) Cert		204	563	1360				133000	177000		221						110		12.25				
OREAS 133a (Aqua Regia) Meas		96.0	292	328				> 5000	> 10000		142		22				20		7.33				
OREAS 133a (Aqua Regia) Cert		97	297	324				48600.00	106000.00		140		59				23		7.92				
OREAS 923 (AQUA REGIA) Meas		1.1	0.8	4700	911	< 1	31	86	358	2.94	6		94	0.6	13	0.40	21	44	6.12	< 10		0.32	31
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.5	0.6	6740	351	5	2	37	152	1.10	37		332	1.0	15	0.29	43	9	8.18	10		0.28	34
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
Oreas 621 (Aqua Regia) Meas		67.8	280	3690	517	12	23	> 5000	> 10000	1.59	78			< 0.5	5	1.61	27	34	3.34	< 10	4	0.27	17
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 221 (Fire Assay) Meas	1.00																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.04																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.05																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.07																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.05																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.04																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.04																						
Oreas 221 (Fire Assay) Cert	1.06																						
28810 Orig	< 0.005																						
28810 Dup	< 0.005																						
28821 Orig	< 0.005																						
28821 Dup	< 0.005																						
28830 Orig	< 0.005																						
28830 Dup	< 0.005																						
28846 Orig	< 0.005																						
28846 Dup	< 0.005																						
28850 Orig	< 0.005																						
28850 Split PREP DUP	< 0.005																						
28854 Orig	0.005																						
28854 Dup	0.006																						
28864 Orig	0.006																						
28864 Dup	0.006																						
28879 Orig	0.007																						
28879 Dup	0.006																						
28889 Orig	0.005																						
28889 Dup	0.005																						
28899 Orig	0.006																						
28899 Dup	0.006																						
28900 Orig	0.007																						
28900 Split PREP DUP	0.007																						
28913 Orig	0.006																						
28913 Dup	0.006																						
28918 Orig		< 0.2	< 0.5	39	507	< 1	47	9	90	2.23	10	< 10	51	< 0.5	< 2	1.15	17	72	3.84	< 10	< 1	0.09	33
28918 Dup		< 0.2	< 0.5	37	492	< 1	46	8	87	2.14	10	< 10	51	< 0.5	< 2	1.11	16	69	3.67	< 10	< 1	0.09	32
28923 Orig	< 0.005																						
28923 Dup	< 0.005																						
28933 Orig	< 0.005																						
28933 Dup	< 0.005																						
28948 Orig	< 0.005																						
28948 Dup	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28950 Orig	< 0.005																						
28950 Split PREP DUP	< 0.005																						
28957 Orig	0.005																						
28957 Dup	< 0.005																						
28966 Orig		< 0.2	< 0.5	3	443	< 1	60	< 2	32	2.52	< 2	< 10	27	0.5	< 2	0.79	10	136	4.01	10	< 1	0.05	11
28966 Dup		< 0.2	< 0.5	3	447	< 1	58	< 2	32	2.52	< 2	< 10	28	0.6	< 2	0.80	10	135	4.04	10	< 1	0.05	11
28967 Orig	< 0.005																						
28967 Dup	< 0.005																						
28969 Orig		< 0.2	< 0.5	16	497	< 1	70	< 2	47	2.30	2	< 10	34	< 0.5	< 2	0.47	17	124	3.86	10	< 1	0.08	15
28969 Dup		< 0.2	< 0.5	15	499	< 1	70	< 2	47	2.30	< 2	< 10	35	< 0.5	< 2	0.47	17	124	3.88	10	< 1	0.08	14
28982 Orig	0.005																						
28982 Dup	0.005																						
28992 Orig	0.005																						
28992 Dup	0.006																						
29000 Orig	0.005																						
29000 Split PREP DUP	0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	0.005																						
Method Blank	< 0.005																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas	0.12	0.047	0.041	0.21	85	1	156	< 0.01	< 20	10	< 2	29	82	157	22	13
GXR-1 Cert	0.217	0.0520	0.0650	0.257	122	1.58	275	0.036	2.44	13.0	0.390	34.9	80.0	164	32.0	38.0
GXR-6 Meas	0.33	0.081	0.033	0.01	4	21	35		< 20	< 1	< 2	< 10	170	< 10	6	14
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 134b (AQUA REGIA) Meas				14.0												
OREAS 134b (AQUA REGIA) Cert				19.31												
OREAS 133a (Aqua Regia) Meas				9.18	144											
OREAS 133a (Aqua Regia) Cert				10.7	147											
OREAS 923 (AQUA REGIA) Meas	1.35		0.065	0.72	3	3	15		< 20		< 2	< 10	36	< 10	16	22
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.21	0.093	0.026	0.07	4	2	12	0.02	< 20	< 1	< 2	< 10	6	< 10	7	48
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
Oreas 621 (Aqua Regia) Meas	0.39	0.152	0.034	4.49	124	2	17		< 20		< 2	< 10	12	< 10	7	62
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
28810 Orig																
28810 Dup																
28821 Orig																
28821 Dup																
28830 Orig																
28830 Dup																
28846 Orig																
28846 Dup																
28850 Orig																
28850 Split PREP DUP																
28854 Orig																
28854 Dup																
28864 Orig																
28864 Dup																
28879 Orig																
28879 Dup																
28889 Orig																
28889 Dup																
28899 Orig																
28899 Dup																
28900 Orig																
28900 Split PREP DUP																
28913 Orig																
28913 Dup																
28918 Orig	1.34	0.044	0.066	0.15	< 2	7	22	0.11	< 20	< 1	< 2	< 10	42	< 10	6	15
28918 Dup	1.29	0.044	0.063	0.14	< 2	7	21	0.11	< 20	< 1	< 2	< 10	41	< 10	6	14
28923 Orig																
28923 Dup																
28933 Orig																
28933 Dup																
28948 Orig																
28948 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28950 Orig																
28950 Split PREP DUP																
28957 Orig																
28957 Dup																
28966 Orig	2.60	0.094	0.080	0.08	< 2	10	30	0.17	< 20	< 1	< 2	< 10	107	< 10	9	18
28966 Dup	2.62	0.097	0.080	0.08	< 2	11	31	0.17	< 20	1	< 2	< 10	106	< 10	9	18
28967 Orig																
28967 Dup																
28969 Orig	2.10	0.090	0.072	0.08	< 2	10	30	0.22	< 20	< 1	< 2	< 10	91	< 10	9	17
28969 Dup	2.11	0.090	0.072	0.07	< 2	10	29	0.21	< 20	1	< 2	< 10	89	< 10	9	16
28982 Orig																
28982 Dup																
28992 Orig																
28992 Dup																
29000 Orig																
29000 Split PREP DUP																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	< 0.001	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	< 0.001	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Quality Analysis ... *Innovative Technologies*

Date Submitted: 24-Apr-19
Invoice No.: A19-05809
Invoice Date: 15-May-19
Your Reference: April 24/19

Central Timmins Explo Corp
4950 Yonge Street Suite 1008
Toronto
Ontario
M2N 6K1

ATTN: Peter Gryba

CERTIFICATE OF ANALYSIS

374 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Timmins (10g/m t) Au - Fire Assay AA

Code 1E3-Timmins Aqua Regia ICP(AQUAGEO)

REPORT **A19-05809**

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.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
1752 Riverside Drive, Timmins, Ontario, Canada, P4R 1N1
TELEPHONE +705 264-0123 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28548	< 0.005																						
28549	< 0.005																						
28550	< 0.005																						
28551	< 0.005																						
28552	< 0.005																						
28553	< 0.005																						
28554	< 0.005																						
28555	< 0.005	< 0.2	< 0.5	34	468	< 1	77	< 2	40	2.42	< 2	< 10	60	< 0.5	< 2	0.49	18	120	4.10	10	< 1	0.14	< 10
28556	< 0.005	< 0.2	< 0.5	23	353	3	18	2	39	1.30	< 2	< 10	139	< 0.5	< 2	0.94	10	27	2.23	< 10	< 1	0.08	< 10
28557	< 0.005	< 0.2	< 0.5	37	373	< 1	61	< 2	26	1.86	3	< 10	62	< 0.5	< 2	0.46	22	113	3.18	< 10	< 1	0.14	< 10
28558	< 0.005	< 0.2	< 0.5	195	286	< 1	38	< 2	20	1.39	< 2	< 10	44	< 0.5	< 2	0.51	10	75	2.36	< 10	< 1	0.08	< 10
28559	< 0.005	< 0.2	< 0.5	50	388	< 1	54	< 2	27	1.74	< 2	< 10	44	< 0.5	< 2	0.45	15	94	3.13	< 10	< 1	0.08	10
28560	< 0.005	< 0.2	< 0.5	42	445	< 1	61	< 2	29	2.01	< 2	< 10	57	< 0.5	< 2	0.55	15	100	3.51	10	< 1	0.12	23
28561	0.295																						
28562	< 0.005																						
28563	< 0.005																						
28564	< 0.005																						
28565	< 0.005																						
28566	< 0.005																						
28567	< 0.005																						
28568	< 0.005																						
28569	< 0.005																						
28570	< 0.005																						
28571	< 0.005																						
28572	< 0.005																						
28573	< 0.005																						
28574	< 0.005																						
28575	< 0.005																						
28576	< 0.005																						
28577	< 0.005																						
28578	< 0.005																						
28579	< 0.005																						
28580	< 0.005																						
28581	< 0.005																						
28582	< 0.005																						
28583	< 0.005																						
28584	< 0.005																						
28585	< 0.005																						
28586	< 0.005																						
28587	< 0.005																						
28588	< 0.005																						
28589	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28590	< 0.005																						
28591	< 0.005																						
28592	< 0.005																						
28593	< 0.005																						
28594	< 0.005																						
28595	< 0.005																						
28596	< 0.005																						
28597	< 0.005																						
28598	< 0.005																						
28599	< 0.005																						
28600	< 0.005																						
28601	< 0.005																						
28602	< 0.005																						
28603	< 0.005																						
28604	< 0.005																						
28605	< 0.005																						
28606	< 0.005																						
28607	< 0.005																						
28608	0.938																						
28609	< 0.005																						
28610	< 0.005																						
28611	< 0.005																						
28612	< 0.005																						
28613	< 0.005																						
28614	< 0.005																						
28615	0.613																						
28616	< 0.005	< 0.2	4.6	127	509	5	80	17	1450	2.13	4	< 10	94	< 0.5	< 2	0.51	22	77	3.95	< 10	< 1	0.13	25
28617	< 0.005																						
28618	< 0.005																						
28619	< 0.005																						
28620	< 0.005																						
28621	< 0.005																						
28622	< 0.005																						
28623	< 0.005																						
28624	< 0.005																						
28625	< 0.005																						
28626	< 0.005																						
28627	< 0.005																						
28628	< 0.005																						
28629	< 0.005																						
28630	< 0.005	< 0.2	< 0.5	103	555	< 1	74	< 2	65	2.59	3	< 10	66	< 0.5	< 2	0.42	23	105	4.15	10	< 1	0.09	15
28631	< 0.005	< 0.2	< 0.5	46	527	< 1	71	< 2	56	2.35	2	< 10	75	< 0.5	< 2	0.42	19	93	3.87	10	< 1	0.11	15

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28632	< 0.005	< 0.2	< 0.5	281	463	< 1	67	< 2	56	2.36	3	< 10	75	< 0.5	< 2	0.38	21	81	3.84	10	< 1	0.11	16
28633	< 0.005	< 0.2	< 0.5	192	427	< 1	68	< 2	58	2.33	< 2	< 10	77	< 0.5	< 2	0.36	17	90	3.81	< 10	< 1	0.12	15
28634	< 0.005	< 0.2	< 0.5	150	428	< 1	66	2	60	2.21	< 2	< 10	69	< 0.5	< 2	0.37	19	92	3.78	< 10	< 1	0.11	18
28635	< 0.005	< 0.2	< 0.5	112	458	< 1	67	< 2	64	2.36	5	< 10	75	< 0.5	< 2	0.32	19	81	3.77	10	< 1	0.12	22
28636	< 0.005	< 0.2	< 0.5	102	511	< 1	70	< 2	65	2.55	4	< 10	61	< 0.5	< 2	0.32	22	109	4.13	10	< 1	0.09	17
28637	< 0.005	< 0.2	< 0.5	190	498	< 1	69	< 2	60	2.47	4	< 10	78	< 0.5	< 2	0.33	25	75	3.84	10	< 1	0.12	18
28638	< 0.005	< 0.2	< 0.5	51	577	< 1	76	< 2	66	2.75	5	< 10	65	< 0.5	< 2	0.35	30	101	4.34	10	< 1	0.09	17
28639	< 0.005	< 0.2	< 0.5	8	580	< 1	75	< 2	65	2.70	< 2	< 10	68	< 0.5	< 2	0.38	23	116	4.48	10	< 1	0.10	15
28640	< 0.005	< 0.2	< 0.5	8	476	< 1	69	< 2	55	2.27	< 2	< 10	73	< 0.5	< 2	0.60	23	83	3.74	< 10	< 1	0.10	14
28641	< 0.005	< 0.2	< 0.5	11	576	< 1	80	< 2	67	2.72	< 2	< 10	69	< 0.5	< 2	0.39	28	126	4.63	10	< 1	0.10	12
28642	< 0.005	< 0.2	< 0.5	47	538	< 1	74	< 2	61	2.45	< 2	< 10	73	< 0.5	< 2	0.37	21	106	4.26	10	< 1	0.10	18
28643	< 0.005	< 0.2	< 0.5	37	494	2	71	< 2	60	2.31	< 2	< 10	83	< 0.5	< 2	0.41	21	90	4.02	< 10	< 1	0.12	17
28644	< 0.005	< 0.2	< 0.5	337	523	< 1	71	< 2	65	2.66	< 2	< 10	70	< 0.5	< 2	0.40	17	102	4.39	10	< 1	0.11	15
28645	< 0.005	< 0.2	< 0.5	59	560	< 1	77	< 2	69	2.70	< 2	< 10	73	< 0.5	< 2	0.37	24	119	4.57	10	< 1	0.11	16
28646	< 0.005	< 0.2	< 0.5	170	555	< 1	81	2	62	2.61	< 2	< 10	92	< 0.5	< 2	0.43	23	109	4.48	10	< 1	0.13	21
28647	< 0.005	< 0.2	< 0.5	103	481	2	72	< 2	55	2.22	< 2	< 10	113	< 0.5	< 2	0.46	18	73	3.83	< 10	< 1	0.15	17
28648	< 0.005	< 0.2	< 0.5	71	464	< 1	68	< 2	53	2.12	< 2	< 10	96	< 0.5	< 2	0.40	18	74	3.65	< 10	< 1	0.14	21
28649	< 0.005	< 0.2	< 0.5	64	588	< 1	73	< 2	62	2.34	3	< 10	78	< 0.5	< 2	0.82	19	96	4.12	10	< 1	0.11	18
28650	< 0.005	< 0.2	< 0.5	40	640	< 1	70	3	68	2.25	3	< 10	76	< 0.5	< 2	1.32	19	102	4.06	< 10	< 1	0.11	18
28651	< 0.005	< 0.2	< 0.5	56	603	< 1	74	3	61	2.33	3	< 10	67	< 0.5	< 2	0.63	19	103	4.20	10	< 1	0.10	17
28652	< 0.005	< 0.2	1.5	55	624	< 1	77	87	528	2.30	3	< 10	69	< 0.5	< 2	1.03	20	112	4.28	10	< 1	0.10	20
28653	< 0.005	< 0.2	< 0.5	224	519	< 1	77	40	163	2.20	4	< 10	83	< 0.5	< 2	0.42	23	85	3.90	< 10	< 1	0.12	16
28654	< 0.005	< 0.2	7.0	53	469	< 1	75	401	2110	1.92	13	< 10	81	< 0.5	< 2	0.50	21	75	3.55	< 10	< 1	0.12	14
28655	< 0.005	< 0.2	< 0.5	60	495	1	85	24	137	1.86	60	< 10	89	< 0.5	< 2	1.09	23	72	3.64	< 10	< 1	0.13	22
28656	< 0.005	< 0.2	< 0.5	69	523	< 1	66	19	74	1.78	16	< 10	80	< 0.5	< 2	1.53	19	78	3.47	< 10	< 1	0.12	26
28657	< 0.005	< 0.2	< 0.5	16	618	< 1	65	4	67	1.95	9	< 10	73	< 0.5	< 2	2.24	18	83	3.66	< 10	< 1	0.11	28
28658	< 0.005	< 0.2	< 0.5	38	629	< 1	65	3	59	2.00	10	< 10	67	< 0.5	< 2	2.49	17	83	3.53	< 10	< 1	0.10	27
28659	< 0.005	< 0.2	< 0.5	50	486	< 1	69	4	63	1.53	3	< 10	80	< 0.5	< 2	1.44	20	64	3.00	< 10	< 1	0.17	16
28660	< 0.005	< 0.2	< 0.5	60	520	1	76	6	68	1.56	< 2	< 10	101	< 0.5	< 2	1.82	21	63	3.35	< 10	< 1	0.21	21
28661	< 0.005	< 0.2	< 0.5	50	429	< 1	79	5	54	1.43	6	< 10	102	< 0.5	< 2	1.55	21	56	2.70	< 10	< 1	0.16	21
28662	< 0.005																						
28663	< 0.005																						
28664	< 0.005																						
28665	< 0.005																						
28666	0.311																						
28667	< 0.005																						
28668	< 0.005																						
28669	< 0.005																						
28670	< 0.005																						
28671	< 0.005																						
28672	< 0.005																						
28673	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28674	< 0.005																						
28675	< 0.005																						
28676	< 0.005																						
28677	< 0.005																						
28678	< 0.005																						
28679	< 0.005																						
28680	< 0.005																						
28681	< 0.005																						
28682	< 0.005																						
28683	< 0.005																						
28684	< 0.005																						
28685	< 0.005																						
28686	< 0.005																						
28687	< 0.005																						
28688	< 0.005																						
28689	< 0.005																						
28690	< 0.005																						
28691	< 0.005																						
28692	< 0.005																						
28693	< 0.005																						
28694	< 0.005																						
28695	< 0.005																						
28696	0.924																						
28697	< 0.005																						
28698	< 0.005																						
28699	< 0.005																						
28700	< 0.005																						
28701	< 0.005																						
28702	< 0.005																						
28703	< 0.005																						
28704	< 0.005																						
28705	< 0.005																						
28706	< 0.005																						
28707	< 0.005																						
28708	< 0.005	< 0.2	1.4	152	403	< 1	23	7	369	2.79	< 2	< 10	29	< 0.5	< 2	2.72	27	19	6.24	10	< 1	0.05	13
28709	< 0.005	< 0.2	< 0.5	143	444	< 1	29	4	89	2.42	< 2	< 10	39	< 0.5	< 2	1.89	29	24	6.61	10	< 1	0.08	13
28710	< 0.005																						
28711	< 0.005																						
28712	< 0.005																						
28713	< 0.005																						
28714	< 0.005																						
28715	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28716	< 0.005																						
28717	< 0.005																						
28718	< 0.005																						
28719	< 0.005																						
28720	< 0.005																						
28721	< 0.005																						
28722	< 0.005																						
28723	< 0.005																						
28724	< 0.005																						
28725	< 0.005																						
28726	< 0.005																						
28727	< 0.005	< 0.2	< 0.5	52	538	< 1	51	4	73	2.09	3	< 10	64	< 0.5	< 2	2.11	18	73	4.30	< 10	< 1	0.12	22
28728	< 0.005	< 0.2	< 0.5	46	604	< 1	65	3	73	2.32	5	< 10	79	< 0.5	< 2	3.17	19	103	4.25	< 10	< 1	0.16	26
28729	< 0.005	< 0.2	< 0.5	84	497	< 1	36	< 2	73	2.09	< 2	< 10	82	< 0.5	< 2	2.06	21	59	5.36	< 10	< 1	0.17	17
28730	< 0.005	< 0.2	< 0.5	121	480	< 1	17	< 2	75	2.02	< 2	< 10	67	< 0.5	< 2	2.06	21	17	5.90	< 10	< 1	0.12	13
28731	< 0.005	< 0.2	< 0.5	124	437	< 1	15	< 2	76	1.98	< 2	< 10	66	< 0.5	< 2	1.94	20	15	5.71	< 10	< 1	0.13	13
28732	< 0.005	< 0.2	< 0.5	68	553	< 1	48	< 2	73	2.21	< 2	< 10	54	< 0.5	< 2	2.05	21	74	5.12	< 10	< 1	0.09	19
28733	< 0.005	< 0.2	< 0.5	32	620	< 1	82	5	75	2.26	6	< 10	55	< 0.5	< 2	2.13	20	108	4.09	< 10	< 1	0.08	25
28734	< 0.005																						
28735	< 0.005																						
28736	< 0.005																						
28737	< 0.005																						
28738	0.975																						
28739	< 0.005																						
28740	< 0.005																						
28741	< 0.005																						
28742	< 0.005																						
28743	< 0.005																						
28744	< 0.005																						
28745	< 0.005																						
28746	< 0.005																						
28747	< 0.005																						
28748	< 0.005																						
28749	< 0.005																						
28750	< 0.005																						
709001	< 0.005																						
709002	< 0.005																						
709003	< 0.005																						
709004	< 0.005																						
709005	< 0.005																						
709006	< 0.005																						
709007	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709008	< 0.005																						
709009	< 0.005																						
709010	< 0.005																						
709011	< 0.005																						
709012	< 0.005																						
709013	0.916																						
709014	< 0.005																						
709015	< 0.005																						
709016	< 0.005																						
709017	< 0.005																						
709018	< 0.005																						
709019	< 0.005																						
709020	< 0.005																						
709021	< 0.005																						
709022	< 0.005																						
709023	< 0.005																						
709024	< 0.005																						
709025	< 0.005																						
709026	< 0.005																						
709027	< 0.005																						
709028	< 0.005																						
709029	< 0.005	1.0	< 0.5	5	455	< 1	74	< 2	44	2.46	< 2	< 10	40	< 0.5	< 2	0.44	15	123	4.09	10	< 1	0.10	10
709030	< 0.005	< 0.2	< 0.5	53	427	< 1	75	< 2	41	2.52	< 2	< 10	62	< 0.5	< 2	0.41	16	114	3.99	10	< 1	0.15	14
709031	< 0.005	< 0.2	< 0.5	26	423	< 1	74	< 2	40	2.44	< 2	< 10	44	< 0.5	< 2	0.48	17	125	4.03	10	< 1	0.11	17
709032	< 0.005	< 0.2	< 0.5	27	351	< 1	73	< 2	36	2.29	< 2	< 10	71	0.6	< 2	0.48	19	102	3.55	10	< 1	0.19	22
709033	< 0.005	< 0.2	< 0.5	18	385	< 1	70	< 2	47	2.31	< 2	< 10	38	< 0.5	< 2	0.40	16	117	3.76	10	< 1	0.09	19
709034	< 0.005	< 0.2	< 0.5	47	359	< 1	79	< 2	39	2.21	< 2	< 10	48	< 0.5	< 2	0.42	19	115	3.60	10	< 1	0.12	11
709035	< 0.005	< 0.2	< 0.5	23	395	< 1	66	< 2	38	2.31	< 2	< 10	54	< 0.5	< 2	0.38	15	95	3.80	10	< 1	0.12	10
709036	< 0.005	< 0.2	< 0.5	198	358	3	59	< 2	40	2.22	< 2	< 10	56	< 0.5	< 2	0.41	17	86	3.68	< 10	< 1	0.12	13
709037	0.062	0.3	< 0.5	361	619	321	426	157	443	0.85	86	< 10	194	1.2	7	0.26	48	344	24.2	< 10	< 1	0.15	14
709038	< 0.005	< 0.2	< 0.5	210	413	3	75	6	46	2.30	6	< 10	52	< 0.5	< 2	0.52	28	105	4.24	10	< 1	0.12	< 10
709039	< 0.005	< 0.2	< 0.5	41	309	1	46	< 2	38	1.52	6	< 10	56	< 0.5	< 2	1.99	13	52	2.56	< 10	< 1	0.13	16
709040	< 0.005																						
709041	< 0.005																						
709042	< 0.005																						
709043	< 0.005																						
709044	< 0.005																						
709045	< 0.005																						
709046	< 0.005																						
709047	< 0.005																						
709048	< 0.005																						
709049	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709050	< 0.005																						
709051	< 0.005																						
709052	< 0.005																						
709053	< 0.005																						
709054	< 0.005																						
709055	< 0.005																						
709056	< 0.005																						
709057	< 0.005																						
709058	< 0.005																						
709059	< 0.005																						
709060	< 0.005																						
709061	< 0.005																						
709062	< 0.005																						
709063	< 0.005																						
709064	< 0.005																						
709065	< 0.005																						
709066	< 0.005																						
709067	< 0.005																						
709068	< 0.005																						
709069	< 0.005																						
709070	< 0.005																						
709071	< 0.005																						
709072	< 0.005																						
709073	< 0.005																						
709074	< 0.005																						
709075	< 0.005																						
709076	< 0.005																						
709077	< 0.005																						
709078	< 0.005																						
709079	< 0.005																						
709080	< 0.005																						
709081	1.03																						
709082	< 0.005																						
709083	< 0.005																						
709084	< 0.005																						
709085	< 0.005																						
709086	< 0.005																						
709087	< 0.005																						
709088	< 0.005																						
709089	< 0.005																						
709090	< 0.005																						
709091	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709092	< 0.005																						
709093	< 0.005																						
709094	< 0.005																						
709095	< 0.005																						
709096	< 0.005																						
709097	< 0.005																						
709098	< 0.005																						
709099	< 0.005																						
709100	< 0.005																						
709101	< 0.005																						
709102	< 0.005																						
709103	< 0.005																						
709104	< 0.005																						
709105	< 0.005																						
709106	< 0.005																						
709107	< 0.005																						
709108	< 0.005																						
709109	< 0.005																						
709110	< 0.005																						
709111	< 0.005																						
709112	< 0.005																						
709113	< 0.005																						
709114	< 0.005																						
709115	< 0.005																						
709116	< 0.005																						
709117	< 0.005																						
709118	< 0.005																						
709119	0.956																						
709120	< 0.005																						
709121	< 0.005																						
709122	< 0.005																						
709123	< 0.005																						
709124	< 0.005																						
709125	< 0.005																						
709126	< 0.005																						
709127	< 0.005																						
709128	< 0.005																						
709129	< 0.005																						
709130	< 0.005																						
709131	< 0.005																						
709132	< 0.005																						
709133	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709134	< 0.005																						
709135	< 0.005																						
709136	< 0.005																						
709137	< 0.005																						
709138	< 0.005																						
709139	< 0.005																						
709140	< 0.005																						
709141	< 0.005																						
709142	0.005																						
709143	< 0.005																						
709144	< 0.005																						
709145	< 0.005																						
709146	< 0.005																						
709147	0.919																						
709148	< 0.005																						
709149	< 0.005																						
709150	< 0.005																						
709151	< 0.005																						
709152	< 0.005																						
709153	< 0.005																						
709154	< 0.005																						
709155	< 0.005																						
709156	< 0.005																						
709157	< 0.005																						
709158	< 0.005																						
709159	< 0.005																						
709160	< 0.005																						
709161	< 0.005																						
709162	< 0.005																						
709163	< 0.005																						
709164	< 0.005																						
709165	< 0.005																						
709166	< 0.005																						
709167	0.867																						
709168	< 0.005																						
709169	< 0.005																						
709170	< 0.005																						
709171	< 0.005																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28548																
28549																
28550																
28551																
28552																
28553																
28554																
28555	2.47	0.056	0.092	0.14	< 2	8	14	0.22	< 20	4	< 2	< 10	68	< 10	9	21
28556	0.56	0.088	0.050	0.04	< 2	5	42	0.15	< 20	< 1	< 2	< 10	61	25	8	10
28557	1.85	0.087	0.082	0.17	< 2	8	14	0.22	< 20	4	< 2	< 10	70	< 10	8	21
28558	1.33	0.112	0.052	0.08	< 2	7	15	0.17	< 20	< 1	< 2	< 10	50	< 10	7	15
28559	1.81	0.065	0.076	0.10	< 2	8	14	0.21	< 20	< 1	< 2	< 10	71	< 10	9	19
28560	1.95	0.071	0.088	0.05	< 2	9	22	0.22	< 20	< 1	< 2	< 10	74	< 10	10	20
28561																
28562																
28563																
28564																
28565																
28566																
28567																
28568																
28569																
28570																
28571																
28572																
28573																
28574																
28575																
28576																
28577																
28578																
28579																
28580																
28581																
28582																
28583																
28584																
28585																
28586																
28587																
28588																
28589																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28590																
28591																
28592																
28593																
28594																
28595																
28596																
28597																
28598																
28599																
28600																
28601																
28602																
28603																
28604																
28605																
28606																
28607																
28608																
28609																
28610																
28611																
28612																
28613																
28614																
28615																
28616	1.76	0.040	0.072	0.20	< 2	11	28	0.22	< 20	< 1	< 2	< 10	59	< 10	9	18
28617																
28618																
28619																
28620																
28621																
28622																
28623																
28624																
28625																
28626																
28627																
28628																
28629																
28630	2.79	0.045	0.099	0.12	< 2	9	18	0.15	< 20	< 1	< 2	< 10	62	< 10	7	15
28631	2.41	0.048	0.097	0.11	< 2	8	18	0.15	< 20	< 1	< 2	< 10	58	< 10	6	17

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28632	2.55	0.044	0.088	0.17	< 2	8	15	0.13	< 20	2	< 2	< 10	54	< 10	5	18
28633	2.42	0.048	0.086	0.10	< 2	7	14	0.13	< 20	< 1	< 2	< 10	52	< 10	6	20
28634	2.17	0.042	0.087	0.12	< 2	7	13	0.14	< 20	< 1	< 2	< 10	50	< 10	6	17
28635	2.50	0.046	0.083	0.06	< 2	6	16	0.08	< 20	< 1	< 2	< 10	51	< 10	6	16
28636	2.75	0.040	0.089	0.09	< 2	7	14	0.09	< 20	2	< 2	< 10	59	< 10	7	15
28637	2.70	0.049	0.083	0.09	< 2	7	15	0.10	< 20	< 1	< 2	< 10	52	< 10	7	16
28638	2.98	0.042	0.087	0.09	< 2	8	15	0.11	< 20	< 1	< 2	< 10	59	< 10	6	15
28639	2.81	0.049	0.088	0.12	2	8	15	0.14	< 20	4	< 2	< 10	66	< 10	7	16
28640	2.29	0.039	0.078	0.17	< 2	7	18	0.16	< 20	2	< 2	< 10	54	< 10	6	16
28641	2.81	0.048	0.086	0.17	< 2	8	15	0.15	< 20	4	< 2	< 10	67	< 10	7	15
28642	2.48	0.044	0.086	0.18	< 2	8	17	0.13	< 20	< 1	< 2	< 10	58	< 10	6	14
28643	2.17	0.047	0.080	0.21	< 2	8	16	0.18	< 20	< 1	< 2	< 10	58	< 10	7	17
28644	2.73	0.040	0.084	0.11	< 2	6	16	0.10	< 20	< 1	< 2	< 10	54	< 10	6	15
28645	2.77	0.045	0.085	0.11	< 2	8	16	0.13	< 20	2	< 2	< 10	63	< 10	7	15
28646	2.62	0.047	0.091	0.21	< 2	9	19	0.17	< 20	< 1	< 2	< 10	62	< 10	8	16
28647	1.95	0.050	0.074	0.18	< 2	10	17	0.20	< 20	< 1	< 2	< 10	58	< 10	7	18
28648	2.07	0.051	0.082	0.19	< 2	7	21	0.16	< 20	2	< 2	< 10	52	< 10	6	14
28649	2.15	0.045	0.086	0.16	< 2	8	45	0.16	< 20	< 1	< 2	< 10	54	< 10	7	12
28650	1.89	0.043	0.082	0.13	< 2	7	72	0.16	< 20	1	< 2	< 10	53	< 10	7	11
28651	2.27	0.037	0.082	0.13	< 2	8	25	0.16	< 20	< 1	< 2	< 10	56	< 10	7	12
28652	2.08	0.038	0.084	0.23	< 2	8	43	0.17	< 20	1	< 2	< 10	56	< 10	8	12
28653	2.17	0.039	0.077	0.20	< 2	9	16	0.17	< 20	2	< 2	< 10	56	< 10	7	14
28654	1.73	0.041	0.074	0.28	< 2	8	16	0.16	< 20	1	< 2	< 10	52	< 10	7	13
28655	1.34	0.040	0.076	0.24	< 2	9	77	0.17	< 20	3	< 2	< 10	48	< 10	7	13
28656	1.32	0.046	0.088	0.17	< 2	7	82	0.15	< 20	< 1	< 2	< 10	48	< 10	8	11
28657	1.44	0.046	0.083	0.04	< 2	8	89	0.16	< 20	< 1	< 2	< 10	49	< 10	8	13
28658	1.50	0.038	0.083	< 0.01	< 2	7	123	0.13	< 20	< 1	< 2	< 10	44	< 10	7	12
28659	0.96	0.040	0.074	0.20	< 2	5	144	0.16	< 20	< 1	< 2	< 10	39	< 10	5	8
28660	0.98	0.035	0.074	0.32	< 2	7	125	0.16	< 20	1	< 2	< 10	42	< 10	7	10
28661	0.75	0.044	0.083	0.28	< 2	7	191	0.18	< 20	< 1	< 2	< 10	38	< 10	7	9
28662																
28663																
28664																
28665																
28666																
28667																
28668																
28669																
28670																
28671																
28672																
28673																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28674																
28675																
28676																
28677																
28678																
28679																
28680																
28681																
28682																
28683																
28684																
28685																
28686																
28687																
28688																
28689																
28690																
28691																
28692																
28693																
28694																
28695																
28696																
28697																
28698																
28699																
28700																
28701																
28702																
28703																
28704																
28705																
28706																
28707																
28708	1.25	0.066	0.057	0.16	< 2	3	18	0.37	< 20	3	< 2	< 10	184	< 10	13	29
28709	1.28	0.115	0.067	0.11	< 2	4	26	0.41	< 20	< 1	< 2	< 10	220	< 10	15	39
28710																
28711																
28712																
28713																
28714																
28715																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28716																
28717																
28718																
28719																
28720																
28721																
28722																
28723																
28724																
28725																
28726																
28727	1.30	0.071	0.082	0.08	< 2	6	131	0.23	< 20	2	< 2	< 10	82	< 10	9	17
28728	1.56	0.076	0.093	0.05	< 2	7	165	0.19	< 20	1	< 2	< 10	73	< 10	9	14
28729	1.16	0.165	0.076	0.17	< 2	6	76	0.38	< 20	3	< 2	< 10	171	< 10	14	35
28730	0.77	0.216	0.067	0.12	< 2	4	61	0.50	< 20	6	< 2	< 10	236	< 10	18	47
28731	0.66	0.250	0.068	0.11	< 2	3	56	0.51	< 20	2	< 2	< 10	234	< 10	18	43
28732	1.39	0.148	0.082	0.09	< 2	7	105	0.37	< 20	1	< 2	< 10	144	< 10	12	28
28733	1.67	0.044	0.092	0.11	< 2	8	131	0.17	< 20	< 1	< 2	< 10	58	< 10	7	13
28734																
28735																
28736																
28737																
28738																
28739																
28740																
28741																
28742																
28743																
28744																
28745																
28746																
28747																
28748																
28749																
28750																
709001																
709002																
709003																
709004																
709005																
709006																
709007																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709008																
709009																
709010																
709011																
709012																
709013																
709014																
709015																
709016																
709017																
709018																
709019																
709020																
709021																
709022																
709023																
709024																
709025																
709026																
709027																
709028																
709029	2.50	0.058	0.068	0.10	< 2	8	25	0.16	< 20	< 1	< 2	< 10	80	< 10	6	14
709030	2.44	0.070	0.070	0.09	< 2	8	30	0.17	< 20	< 1	< 2	< 10	80	< 10	7	17
709031	2.34	0.077	0.077	0.07	< 2	8	44	0.20	< 20	< 1	< 2	< 10	79	< 10	9	17
709032	2.02	0.065	0.071	0.11	< 2	8	43	0.20	< 20	< 1	< 2	< 10	72	< 10	9	17
709033	2.39	0.079	0.072	0.02	< 2	7	26	0.18	< 20	< 1	< 2	< 10	70	< 10	7	18
709034	2.15	0.064	0.068	0.08	< 2	8	15	0.19	< 20	5	< 2	< 10	73	< 10	8	20
709035	2.21	0.067	0.074	0.07	< 2	6	13	0.16	< 20	< 1	< 2	< 10	62	< 10	7	20
709036	2.16	0.046	0.073	0.15	< 2	7	12	0.18	< 20	2	< 2	< 10	53	< 10	8	21
709037	0.23	0.052	0.026	0.01	21	4	16	< 0.01	< 20	< 1	< 2	< 10	28	11	5	15
709038	2.12	0.048	0.076	0.34	< 2	8	13	0.19	< 20	< 1	< 2	< 10	64	< 10	9	20
709039	1.08	0.060	0.049	0.07	< 2	6	28	0.16	< 20	2	< 2	< 10	34	< 10	6	17
709040																
709041																
709042																
709043																
709044																
709045																
709046																
709047																
709048																
709049																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709050																
709051																
709052																
709053																
709054																
709055																
709056																
709057																
709058																
709059																
709060																
709061																
709062																
709063																
709064																
709065																
709066																
709067																
709068																
709069																
709070																
709071																
709072																
709073																
709074																
709075																
709076																
709077																
709078																
709079																
709080																
709081																
709082																
709083																
709084																
709085																
709086																
709087																
709088																
709089																
709090																
709091																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709092																
709093																
709094																
709095																
709096																
709097																
709098																
709099																
709100																
709101																
709102																
709103																
709104																
709105																
709106																
709107																
709108																
709109																
709110																
709111																
709112																
709113																
709114																
709115																
709116																
709117																
709118																
709119																
709120																
709121																
709122																
709123																
709124																
709125																
709126																
709127																
709128																
709129																
709130																
709131																
709132																
709133																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709134																
709135																
709136																
709137																
709138																
709139																
709140																
709141																
709142																
709143																
709144																
709145																
709146																
709147																
709148																
709149																
709150																
709151																
709152																
709153																
709154																
709155																
709156																
709157																
709158																
709159																
709160																
709161																
709162																
709163																
709164																
709165																
709166																
709167																
709168																
709169																
709170																
709171																

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		< 0.2	< 0.5	66	989	1	21	97	153	6.62	247	< 10	1300	0.9	< 2	0.17	13	81	5.48	20	1	0.96	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 134b (AQUA REGIA) Meas		> 100	562	1230				> 5000	> 10000		218						93		11.3				
OREAS 134b (AQUA REGIA) Cert		204	563	1360				133000	177000		221						110		12.25				
OREAS 923 (AQUA REGIA) Meas		1.4	< 0.5	4530	894	< 1	36	92	350	2.88	5		94	0.6	16	0.41	22	45	6.33	< 10		0.33	33
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
OREAS 907 (Aqua Regia) Meas		1.2	0.6	6230	335	5	4	35	153	1.02	37		318	1.0	21	0.29	44	9	8.22	20		0.29	36
OREAS 907 (Aqua Regia) Cert		1.30	0.540	6370	330	5.64	4.74	34.1	139	0.945	37.0		225	0.870	22.3	0.280	43.7	8.59	8.18	14.7		0.286	36.1
Oreas 621 (Aqua Regia) Meas		74.3	284	3660	515	12	27	> 5000	> 10000	1.58	78			0.5	< 2	1.70	29	33	3.58	< 10	3	0.29	19
Oreas 621 (Aqua Regia) Cert		68.0	278	3660	520	13.3	25.8	13600	51700	1.60	75.0			0.530	3.85	1.65	27.9	31.3	3.43	9.29	3.93	0.333	19.4
Oreas 221 (Fire Assay) Meas	1.04																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.02																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.06																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.03																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.06																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.08																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire	1.05																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																							
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.05																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.07																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.03																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.04																						
Oreas 221 (Fire Assay) Cert	1.06																						
Oreas 221 (Fire Assay) Meas	1.01																						
Oreas 221 (Fire Assay) Cert	1.06																						
28557 Orig	< 0.005	< 0.2	< 0.5	38	373	< 1	61	2	26	1.86	2	< 10	62	< 0.5	< 2	0.46	22	114	3.19	< 10	< 1	0.14	< 10
28557 Dup	< 0.005	< 0.2	< 0.5	37	373	< 1	60	< 2	26	1.85	3	< 10	61	< 0.5	< 2	0.46	22	113	3.17	< 10	< 1	0.14	< 10
28567 Orig	< 0.005																						
28567 Dup	< 0.005																						
28577 Orig	< 0.005																						
28577 Dup	< 0.005																						
28592 Orig	< 0.005																						
28592 Dup	< 0.005																						
28597 Orig	< 0.005																						
28597 Split PREP DUP	< 0.005																						
28601 Orig	< 0.005																						
28601 Dup	< 0.005																						
28611 Orig	< 0.005																						
28611 Dup	< 0.005																						
28626 Orig	< 0.005																						
28626 Dup	< 0.005																						
28633 Orig		< 0.2	< 0.5	195	430	< 1	69	< 2	58	2.37	< 2	< 10	78	< 0.5	< 2	0.37	17	91	3.88	< 10	< 1	0.12	15
28633 Dup		< 0.2	< 0.5	190	424	< 1	66	< 2	58	2.28	< 2	< 10	76	< 0.5	< 2	0.36	16	89	3.74	< 10	< 1	0.12	14
28636 Orig	< 0.005																						
28636 Dup	< 0.005																						
28646 Orig	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28646 Dup	< 0.005																						
28647 Orig	< 0.005	< 0.2	< 0.5	103	481	2	72	< 2	55	2.22	< 2	< 10	113	< 0.5	< 2	0.46	18	73	3.83	< 10	< 1	0.15	17
28647 Split PREP DUP	< 0.005	< 0.2	< 0.5	99	480	2	72	2	52	2.22	< 2	< 10	112	< 0.5	< 2	0.46	18	73	3.80	< 10	< 1	0.15	18
28660 Orig	< 0.005																						
28660 Dup	< 0.005																						
28670 Orig	< 0.005																						
28670 Dup	< 0.005																						
28680 Orig	< 0.005																						
28680 Dup	< 0.005																						
28695 Orig	< 0.005																						
28695 Dup	< 0.005																						
28697 Orig	< 0.005																						
28697 Split PREP DUP	< 0.005																						
28704 Orig	< 0.005																						
28704 Dup	< 0.005																						
28714 Orig	< 0.005																						
28714 Dup	< 0.005																						
28729 Orig	< 0.005																						
28729 Dup	< 0.005																						
28739 Orig	< 0.005																						
28739 Dup	< 0.005																						
28747 Orig	< 0.005																						
28747 Split PREP DUP	< 0.005																						
709007 Orig	< 0.005																						
709007 Dup	< 0.005																						
709017 Orig	< 0.005																						
709017 Dup	< 0.005																						
709027 Orig	< 0.005																						
709027 Dup	< 0.005																						
709030 Orig		< 0.2	< 0.5	52	421	< 1	74	< 2	41	2.47	< 2	< 10	60	< 0.5	< 2	0.41	15	112	3.92	10	< 1	0.15	13
709030 Dup		< 0.2	< 0.5	53	433	< 1	76	< 2	42	2.57	< 2	< 10	63	< 0.5	< 2	0.42	16	117	4.05	10	< 1	0.15	14
709043 Orig	< 0.005																						
709043 Dup	< 0.005																						
709047 Orig	< 0.005																						
709047 Split PREP DUP	< 0.005																						
709051 Orig	< 0.005																						
709051 Dup	< 0.005																						
709061 Orig	< 0.005																						
709061 Dup	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709076 Orig	< 0.005																						
709076 Dup	< 0.005																						
709087 Orig	< 0.005																						
709087 Dup	< 0.005																						
709096 Orig	< 0.005																						
709096 Dup	< 0.005																						
709097 Orig	< 0.005																						
709097 Split PREP DUP	< 0.005																						
709110 Orig	< 0.005																						
709110 Dup	< 0.005																						
709120 Orig	< 0.005																						
709120 Dup	< 0.005																						
709130 Orig	< 0.005																						
709130 Dup	< 0.005																						
709145 Orig	< 0.005																						
709145 Dup	< 0.005																						
709148 Orig	< 0.005																						
709148 Split PREP DUP	< 0.005																						
709154 Orig	< 0.005																						
709154 Dup	< 0.005																						
709164 Orig	< 0.005																						
709164 Dup	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	g/mt	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	0.005	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank	< 0.005																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	11	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.36	0.087	0.032	0.02	3	23	34		< 20	< 1	< 2	< 10	169	< 10	6	16
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 134b (AQUA REGIA) Meas				15.5												
OREAS 134b (AQUA REGIA) Cert				19.31												
OREAS 923 (AQUA REGIA) Meas	1.43		0.061	0.66	< 2	4	16		< 20		< 2	< 10	37	< 10	17	34
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
OREAS 907 (Aqua Regia) Meas	0.21	0.095	0.024	0.06	5	2	13	0.02	< 20	< 1	< 2	< 10	6	< 10	7	54
OREAS 907 (Aqua Regia) Cert	0.221	0.0860	0.0240	0.0660	2.28	2.16	11.7	0.0170	8.04	0.230	0.120	2.15	5.12	0.980	6.52	43.7
Oreas 621 (Aqua Regia) Meas	0.43	0.165	0.033	4.14	125	2	19		< 20		3	< 10	13	< 10	7	68
Oreas 621 (Aqua Regia) Cert	0.436	0.160	0.0335	4.50	107	2.20	18.9		5.91		0.770	1.63	10.9	1.00	6.87	55.0
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
Oreas 221 (Fire Assay) Meas																
Oreas 221 (Fire Assay) Cert																
28557 Orig	1.85	0.088	0.082	0.17	< 2	8	14	0.22	< 20	5	< 2	< 10	70	< 10	8	21
28557 Dup	1.84	0.087	0.082	0.17	< 2	8	14	0.22	< 20	4	< 2	< 10	70	< 10	8	21
28567 Orig																
28567 Dup																
28577 Orig																
28577 Dup																
28592 Orig																
28592 Dup																
28597 Orig																
28597 Split PREP DUP																
28601 Orig																
28601 Dup																
28611 Orig																
28611 Dup																
28626 Orig																
28626 Dup																
28633 Orig	2.46	0.049	0.088	0.10	< 2	7	14	0.13	< 20	< 1	< 2	< 10	53	< 10	6	20
28633 Dup	2.37	0.047	0.085	0.10	< 2	7	13	0.13	< 20	< 1	< 2	< 10	52	< 10	6	19
28636 Orig																
28636 Dup																
28646 Orig																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
28646 Dup																
28647 Orig	1.95	0.050	0.074	0.18	< 2	10	17	0.20	< 20	< 1	< 2	< 10	58	< 10	7	18
28647 Split PREP DUP	1.93	0.050	0.073	0.18	< 2	10	19	0.21	< 20	4	< 2	< 10	58	< 10	7	19
28660 Orig																
28660 Dup																
28670 Orig																
28670 Dup																
28680 Orig																
28680 Dup																
28695 Orig																
28695 Dup																
28697 Orig																
28697 Split PREP DUP																
28704 Orig																
28704 Dup																
28714 Orig																
28714 Dup																
28729 Orig																
28729 Dup																
28739 Orig																
28739 Dup																
28747 Orig																
28747 Split PREP DUP																
709007 Orig																
709007 Dup																
709017 Orig																
709017 Dup																
709027 Orig																
709027 Dup																
709030 Orig	2.39	0.069	0.069	0.09	< 2	8	29	0.16	< 20	< 1	< 2	< 10	78	< 10	7	16
709030 Dup	2.49	0.071	0.071	0.09	< 2	8	30	0.18	< 20	1	< 2	< 10	82	< 10	7	17
709043 Orig																
709043 Dup																
709047 Orig																
709047 Split PREP DUP																
709051 Orig																
709051 Dup																
709061 Orig																
709061 Dup																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
709076 Orig																
709076 Dup																
709087 Orig																
709087 Dup																
709096 Orig																
709096 Dup																
709097 Orig																
709097 Split PREP DUP																
709110 Orig																
709110 Dup																
709120 Orig																
709120 Dup																
709130 Orig																
709130 Dup																
709145 Orig																
709145 Dup																
709148 Orig																
709148 Split PREP DUP																
709154 Orig																
709154 Dup																
709164 Orig																
709164 Dup																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.010	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1

Appendix D

Costs, Distribution, and Certification

CTEC 2019 M4 Drill Program

Vendors	Date	Invoice	Units	# of Units	Rates	Costs	Notes
SMP Drilling	Apr 4 -15, 2019	94	metres	1,281	$ 72.26	$ 92,567.00	All inclusive M4 series
Actlabs	Apr 16 - May 19, 2019	A19-05532	sample	200	$ 19.69	$ 3,938.00	combined FA/ICP
	Apr 24 - May 15,2019	A19-05809	sample	374	$ 18.60	$ 6,957.00	combined FA/ICP
				574	$ 18.98	$ 10,895.00	
R.B. Paloma	Apr-19	2019-004	mandays	22	$ 400.00	$ 8,800.00	est
	May-19	2019-005	mandays	3	$ 400.00	$ 1,200.00	est
				25	$ 400.00	$ 10,000.00	
S.Woolhead	Apr-19	CTEC-19-04	Esther hours	40.5	$ 20.00	$ 810.00	April 7 onward
			Scott hours	47.5	$ 35.00	$ 1,762.50	April 7 onward
			total	88.0	$ 29.23	$ 2,572.50	calc hourly average
	Apr-19	CTEC-19-05	Esther hours	24.5	$ 20.00	$ 490.00	
			Scott hours	29.5	$ 35.00	$ 1,132.50	with daily rate 1x100
			total	54.0	$ 30.05	$ 1,622.50	calc hourly average
			COMB. TOTAL	142.0	$ 29.54	$ 4,195.00	calc final hourly average
Polk Geol. Serv.	Apr-19	444	monthly	0.75	$ 2,796.83	$ 2,097.62	
	May-19	446	monthly	0.25	$ 2,172.84	$ 543.21	
			monthly	1.0	$ 2,640.83	$ 2,640.83	
					TOTAL DRILLING	**$ 120,297.83**	

Cost Distribution

Claim Cell	Work	Metres			Cost
268054	M4-19-01	489	43%	$	19,746
	M4-19-02	459	100%	$	43,104
	M4-19-03	333	82%	$	25,643
			Total	**$**	**88,494**
327961	M4-19-01	489	57%	$	26,175
	M4-19-03	333	18%	$	5,629
			Total	**$**	**31,804**
	average cost/m	$ 93.91	Total check	$	120,298

FORAGE SMP INC.

ANNEXE 1

Trou #	M4-19-01		Foreuse no : 01		Quart	Quantitée	Prix $	Total $
Date	Début	Fin	Total	Type				
04-04-2019	0	15	15	nw	night	15	51,23 $	768,45 $
04-04-2019	15	19,5	4,5	nw	night	4,5	55,84 $	251,28 $
04-04-2019	19,5	51	31,5	nq	night	31,5	56,92 $	1 792,98 $
05-04-2019	51	117	66	nq	day	66	56,92 $	3 756,72 $
05-04-2019	117	162	45	nq	night	45	56,92 $	2 561,40 $
06-04-2019	162	200	38	nq	day	38	56,92 $	2 162,96 $
06-04-2019	200	219	19	nq	day	19	59,77 $	1 135,63 $
06-04-2019	219	279	60	nq	night	60	59,77 $	3 586,20 $
07-04-2019	279	336	57	nq	day	57	59,77 $	3 406,89 $
07-04-2019	336	387	51	nq	night	51	59,77 $	3 048,27 $
08-04-2019	387	400	13	nq	day	13	59,77 $	777,01 $
08-04-2019	400	423	23	nq	day	23	62,91 $	1 446,93 $
08-04-2019	423	465	42	nq	night	42	62,91 $	2 642,22 $
09-04-2019	465	489	24	nq	day	24	62,91 $	1 509,84 $
			0			0	-	$
				Total :		489		28 846,78 $

Date		Description	Quart	Quantitée	Prix $	Total $
04-04-2019	1	Mob Val-d'or to timmins	day	1	4 519,52 $	4 519,52 $
04-04-2019	3	Move drill rig to first set-up	day	3	120,00 $	360,00 $
04-04-2019	2	D6	day	2	120,00 $	240,00 $
04-04-2019	2	Installation of sound barrier wall	night	2	120,00 $	240,00 $
05-04-2019	2	Reflex test @ 51m and 102m	day	2	60,00 $	120,00 $
05-04-2019	1	Reflex test @ 153m	night	1	60,00 $	60,00 $
06-04-2019	1	Reflex test @ 204m	day	1	60,00 $	60,00 $
06-04-2019	1	Reflex test @ 255m	night	1	60,00 $	60,00 $
07-04-2019	1	Reflex test @ 306m	day	1	60,00 $	60,00 $
07-04-2019	1	Reflex test @ 357m	night	1	60,00 $	60,00 $
08-04-2019	1	Reflex test @ 408m	day	1	60,00 $	60,00 $
08-04-2019	1	Reflex test @ 459m	night	1	60,00 $	60,00 $
09-04-2019	1	Reflex test @ 489m	day	1	60,00 $	60,00 $
09-04-2019	6	Nw 3m casing	day	6	166,67 $	1 000,02 $
09-04-2019	1	Nw 1,5m casing	day	1	102,55 $	102,55 $
09-04-2019	1	Nw casing crown	day	1	392,20 $	392,20 $
09-04-2019	1	Nw casing cap	day	1	72,60 $	72,60 $
				0		- $
			Total :			7 526,89 $
					Total trou no. M4-19-01 :	*36 373,67 $*

FORAGE SMP INC. **ANNEXE 2**

Trou #	M4-19-02		Foreuse no : 01		Quart	Quantitée	Prix $	Total $
Date	Début	Fin	Total	Type				
09-04-2019	0	15	15	nw	night	15	51,23 $	768,45 $
09-04-2019	15	24	9	nw	night	9	55,84 $	502,56 $
09-04-2019	24	87	63	nq	night	63	56,92 $	3 585,96 $
10-04-2019	87	171	84	nq	day	84	56,92 $	4 781,28 $
10-04-2019	171	200	29	nq	night	29	56,92 $	1 650,68 $
10-04-2019	200	252	52	nq	night	52	59,77 $	3 108,04 $
11-04-2019	252	303	51	nq	day	51	59,77 $	3 048,27 $
11-04-2019	303	351	48	nq	night	48	59,77 $	2 868,96 $
12-04-2019	351	396	45	nq	day	45	59,77 $	2 689,65 $
12-04-2019	396	400	4	nq	night	4	59,77 $	239,08 $
12-04-2019	400	447	47	nq	night	47	62,91 $	2 956,77 $
13-04-2019	447	459	12	nq	day	12	62,91 $	754,92 $
			0			0	-	$
				Total :		459		26 954,62 $

Date		Description	Quart	Quantitée	Prix $	Total $
09-04-2019	2	Sound barrier wall installation	night	2	120,00 $	240,00 $
09-04-2019	1	Reflex test @ 54m	night	1	60,00 $	60,00 $
10-04-2019	2	Reflex test @ 105m and 156m	day	2	60,00 $	120,00 $
10-04-2019	1	Reflex test @ 207m	night	1	60,00 $	60,00 $
11-04-2019	1	Reflex test @ 258m	day	1	60,00 $	60,00 $
11-04-2019	1	Reflex test @ 303m	night	1	60,00 $	60,00 $
12-04-2019	1	Reflex test @ 366m	day	1	60,00 $	60,00 $
12-04-2019	1	Reflex test @ 411m	night	1	60,00 $	60,00 $
13-04-2019	8	Nw casing 3m	day	8	166,67 $	1 333,36 $
13-04-2019	1	Nw casing crown bit	day	1	392,20 $	392,20 $
13-04-2019	1	Nw casing cap	day	1	72,60 $	72,60 $
				0	-	$
		Total :				2 518,16 $
				Total trou no. M4-19-02 :		*29 472,78 $*

FORAGE SMP INC. **ANNEXE 3**

Trou #	M4-19-03		Foreuse no : 01		Quart	Quantitée	Prix $	Total $
Date	Début	Fin	Total	Type				
13-04-2019	0	15	15	nw	day	15	51,23 $	768,45 $
13-04-2019	15	24	9	nw	day	9	55,84 $	502,56 $
13-04-2019	24	30	6	nq	day	6	56,92 $	341,52 $
13-04-2019	30	114	84	nq	night	84	56,92 $	4 781,28 $
14-04-2019	114	192	78	nq	day	78	56,92 $	4 439,76 $
14-04-2019	192	200	8	nq	night	8	56,92 $	455,36 $
14-04-2019	200	261	61	nq	night	61	59,77 $	3 645,97 $
15-04-2019	261	333	72	nq	day	72	59,77 $	4 303,44 $
			0			0		- $
				Total :		333		19 238,34 $

Date		Description	Quart	Quantitée	Prix $	Total $
13-04-2019	3	Move sound barrier wall	day	3	120,00 $	360,00 $
13-04-2019	2	Reflex test @ 54m and 105m	night	2	60,00 $	120,00 $
14-04-2019	1	Reflex test @ 156m	day	1	60,00 $	60,00 $
14-04-2019	2	Reflex test @ 207m and 258m	night	2	60,00 $	120,00 $
15-04-2019	1	Reflex test @ 309m	day	1	60,00 $	60,00 $
15-04-2019	13	nw 3m casing	night	13	166,67 $	2 166,71 $
15-04-2019	2	Nw casing crown bit	night	2	392,20 $	784,40 $
15-04-2019	1	Nw casing cap	night	1	72,60 $	72,60 $
				0		- $
			Total :			3 743,71 $
					Total trou no. M4-19-03 :	*22 982,05 $*

DECLARATION of PHILIP BURT

I hereby state that:

1. My name is Philip David Burt and I am a Consulting Geologist and Sole Proprietor of Burt Consulting Services, 2281 Carol Road, Oakville, Ontario, CANADA, L6J 6B5. I am a resident of Oakville, Ontario, CANADA.

2. I have been awarded the following degrees in Geology/Mining:
   i) British Columbia Institute of Technology, 1971, Diploma of Technology in Mining Engineering.
   ii) University of British Columbia, 1980, B.Sc (Geology)

3. I am a registered Professional Geoscientist in the Province of Ontario (Reg. #1741) and the Province of Saskatchewan (Reg. #10902 non-practicing). I have worked as a technician/geologist for several exploration and mining companies since 1969.

4. I am a Member of the Society of Economic Geologists and Prospectors and Developers Association of Canada.

5. I am not aware of any material fact with respect to the subject matter of this report, which is not included in the report, the omission of which would make this report misleading.

Dated at Oakville, Ontario, CANADA this 20th day of March, 2021.

CERTIFICATE

Rainer Skeries

As co-author this report, I certify that:

1. I am an independent geological consultant and carried out this assignment for Central Timmins Exploration Corp. (CTEC), 1008-4950 Yonge St., North York, ON, M2n 6K1.

2. I hold the following academic qualifications: H.BSc (Geology) University of Western Ontario, 1976.

3. I am a registered Professional Geoscientist with the Association of Professional Geoscientists of Ontario (#0598) and Association of Professional Engineers and Geoscientists of Saskatchewan (#10898 non-practicing).

4. I have worked as a geologist in the minerals industry for 40+ years.

5. I am not aware of any material fact, or change in reported information, in connection with the subject property, not reported or considered by me, the omission of which makes this report misleading.

6. I am independent of the parties involved other than providing consulting services.

Dated at Collingwood, ON, Canada, this 20th day of March, 2021.