

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](#).

Tower Mountain Gold Project

2021 Assessment Report

2020 Grab Sampling program and Prospecting

Thunder Bay Mining District, Ontario

NTS 52A12 and 52A05

Conmee, (G-0647)

Thunder Gold Corp.

August 20, 2022

By

Brett LaPeare

Cathy Salo

119844,167124,180646,234524,234525,281539,302207,306412,309585,326962,334136,
Pat-54228,Pat-54300

Contents

1	Summary	1
2	Property Description	4
3	Accessibility, Physiography, and infrastructure	5
4	Exploration History	8
5	Regional Geology	12
6	Property Geology	15
6.1	Lithology.....	15
6.2	Alteration	15
6.3	Mineralization	16
7	Exploration	17
8	Sample Preparation and Analyst.....	18
9	Conclusions	18
10	Certification of Qualifications	21
11	References	22
	Table 1: Grab samples over 1 g/t Au.....	17
	Figure 1: Ontario map with Tower Mountain Project located.....	2
	Figure 2: Tower Mountain Project Claim map.....	4
	Figure 3: General location of project to Thunder Bay.	5
	Figure 4: Google earth map with contours.....	7
	Figure 5: Regional geology map.(MRD126REV1)	12
	Figure 6: Property geology map based on Miscellaneous Release—Data 330	14

Appendix A – List of Personnel & Contractors

Appendix B – List of Claims

Appendix C – Assay Certificates

Appendix D – Assay Results, Locations and Descriptions

Appendix E – Maps 1a to 1d showing location of samples with gold values in ppm

Appendix F – Actlab codes



Figure 1: Core Facility located on property leading in from off all season road..

1 Summary

The Tower Mountain property is located roughly 45km west of Thunder Bay, Ontario within the eastern extent of the Shebandewan Greenstone Belt (SGB), with an area of roughly 4 km² containing two main areas of known gold mineralization as defined by historical work; 1) UV Zone located in the northwest area of the prospect with drilling targeting zones of Au±Cu mineralization and 2) Bench Zone located roughly 300-500m to the southeast targeting gold. However, one of the defining characteristics of Tower Mountain is the significant widespread gold endowment over the entire property initially identified from historical and current outcrop and sub-crop sampling (and confirmed with drilling) with up to >20 zones of mineralization identified.



Figure 2: Ontario map with Tower Mountain Project located

The Tower Mountain property is underlain by neo-Archean (2960 M.A) lithologies dominated by alkalic monzonite/syenite intrusive in the eastern half of the area and a broad metavolcanic package in the western half consisting mostly of massive microporphyrific andesite extrusive to hypabyssal units and lesser trachyte. Other lithologies include volcanic breccia, feldspar porphyry and rare mafic to diabase dykes. Regarding structure, previous work and aeromagnetics reveals a distinct WNW trend throughout the majority of the area especially within the intrusive. Previous mapping and geophysics also show a NNE trend locally as well as EW trending lineaments mostly in the southern portion of the intrusive. Narrow shear zones and fault gouge were intersected but overall are rare. Additionally, any kind of penetrative fabric is mostly absent but highly variable breccia textures are common and well-developed locally. The volcanics exhibit weak to moderate but generally pervasive regional sub-greenschist chlorite alteration. By far the dominant secondary alteration assemblage throughout the property is

carbonate (calcite>>>ankerite) and hematite which occur in all rock types and highly variable tenors. Post-dating the Ca-Fe alteration is sericite-chlorite, pyrite, epidote and minor tourmaline attributed to hydrothermal alteration.

Gold mineralization occurs mostly as two types: broad low-grade zones (>0.3 g/t Au) over drill widths from

>10 to >100m to more localized and much less common intercepts of exceptional high grade gold mineralization grading up to 588 g/t over 1.5m at UV Zone. Gold is mostly associated with ubiquitous disseminated very fine-grained pyrite and to a lesser extent quartz±chlorite±calcite±ankerite veining or fracture fill. Significant gold intercepts occur in all lithologies and all alteration assemblages with phyllic (sericite-pyrite-chlorite±calcite) generally the most prominent. Alteration textures range from fairly straightforward to mostly highly amorphous and complex and with the extensive gold endowment is a defining characteristic of the property. A review of current literature describing similar styles of gold mineralization and deposits especially from the Abitibi Greenstone Belt (i.e. Young Davidson, Cote') suggests Tower Mountain is magmatic-hydrothermal system (as opposed to typical Archean metamorphic orogenic gold deposit) best described as syenite-monzonite associated disseminated gold mineralization.

Tower Mountain represents an excellent exploration target for both large tonnage-low grade as well as more localized high-grade lenses, veining and ore shoots. However, both historical and current drilling has shown that in several areas mineralization can be highly enigmatic and discontinuous. Considering this it is recommended that a highly robust exploration program be designed to further understand the controls of the overall mineralized system (trees vs. forest analogy) including but not limited to; extensive surface mapping/sampling and stripping/trenching, soil geochemical sampling, gridded drilling, expanded petrology, detailed geochemical analysis and metallurgy. Upon completion of the above an attempt should be made to determine various geophysical methods to best identify and delineate areas of mineralization especially at depth.

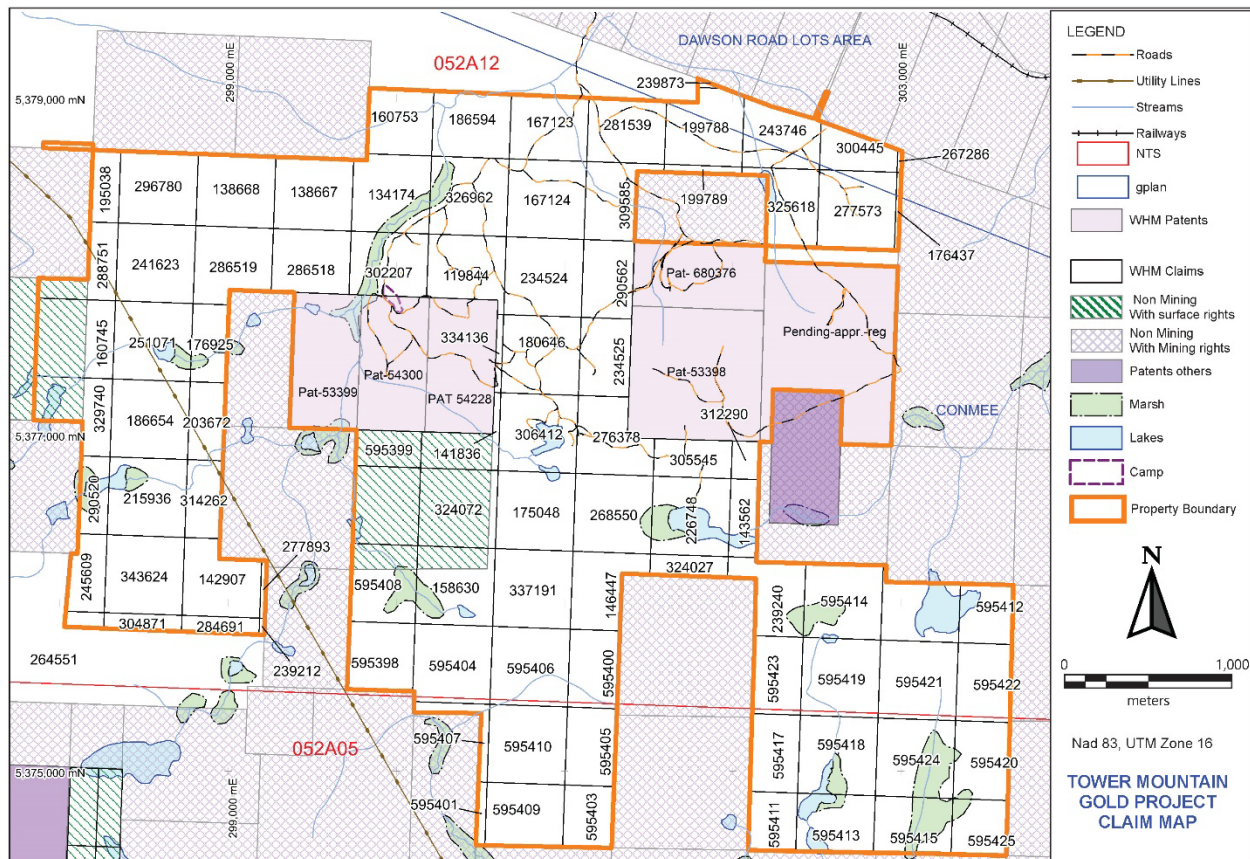


Figure 3: Tower Mountain Gold Project Claim map.

2 Property Description

The Tower Mountain Gold Project is situated within the Thunder Bay Mining Division of northwestern Ontario on National Topographic System (NTS) maps 52A12 and 52A05 within gplans Conmee, (G-0647). The property is located approximately 55 km west of Thunder Bay on Trans-Canada Highway 11-17 south at Sunshine Hotel (Figure 4) with access directly to core shack on property on various all season roads for about 3.0 km. The claims consist of 81 single cell claims, 11 boundary cell claims for 1595 hectares, and 6 patents (221 hectares). Total property is 1816 hectares. A complete listing of all holdings is given in Appendix B. The Property is optioned from Melvin Stewart with additional claims added by White Metal. See figure 3 and appendix B for breakdown of claims.

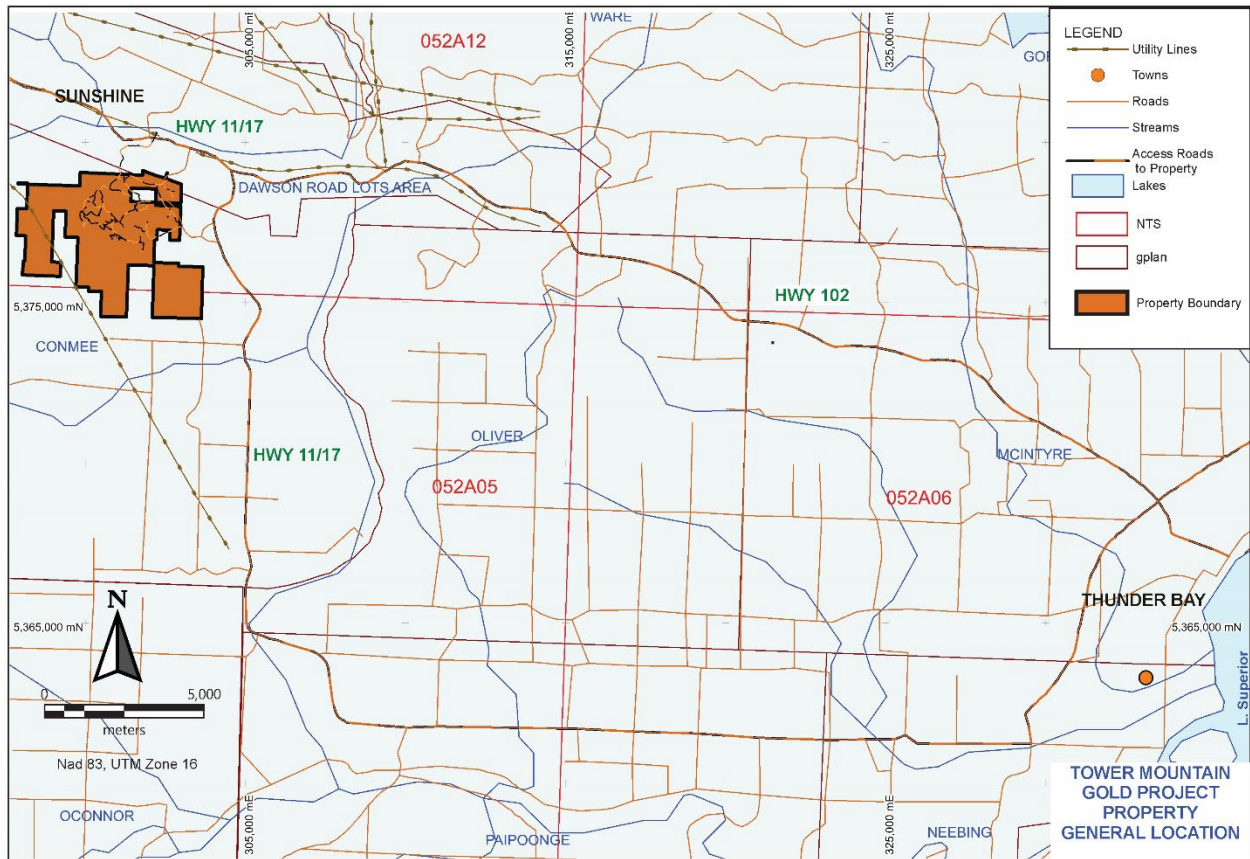


Figure 4: General location of project from Thunder Bay.

3 Accessibility, Physiography, and infrastructure

The Tower Mountain Gold Project is situated within the Thunder Bay Mining Division of northwestern Ontario on National Topographic System (NTS) maps 52A12 and 52A05 within g-plan Conmee, (G-0647). The property is located approximate 55 km west of Thunder Bay on the Trans-Canada Highway 11-17 (see figure 4). The property can be accessed by turning south at Sunshine Loop Rd then quickly turning west onto Aiken Road for 1.1 km and south onto (all season road) Glenwater Road. On Glenwater Road take the second left. This last section is about 2.3 km. Note that at 0.26 km on Glenwater road there is a railway crossing with a lock gate immediately after this.



Figure 5: Taken at gate on road leading to property, with TransCanada Highway in center of picture with railway running next to it. Bottom of pictures shows another railway. Arrow points to turnoff from the highway towards Aiken Road.

The topography on the Property is composed of multiple high areas especially in the center of property at Tower Mountain. There are minimal small lakes and swamping areas. The property is densely covered with trees. Except in the hydro line dissecting the western part of the property.

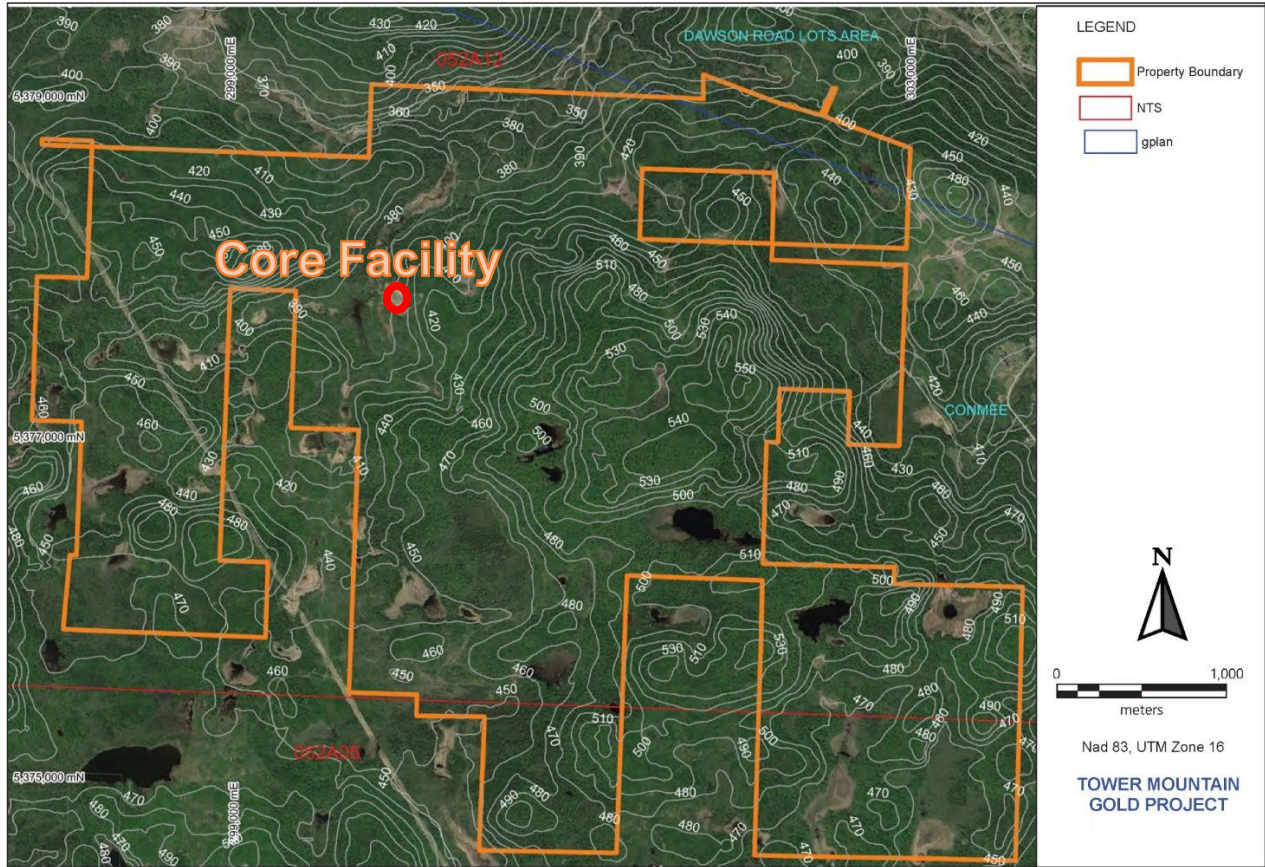


Figure 6: Google Earth map of property & physiography with contours.



Figure 7: Shows the topography and tree coverage on property/

4 Exploration History

Canadian Nickel Company – 1967: Drilled two holes totaling 300 m to test airborne anomalies in the southwest corner of the property

Phelps Dodge Corporation – 1968: Magnetic survey over the central part of the property

M. Stewart – 1984: Tower Mountain Property staked and prospected discovering gold showings and later optioned to Noranda, Inco, Avalon and Valgold. Valgold eventually owned the property but it was passed back to M. Stewart.

Noranda Exploration Limited- 1985-88: Mapping, ground geophysics (mag., VLF, I. P.), geochemical surveys, trenching and drilling 38 holes totaling 2880.5 m; Drilling during the period from 1985-87 discovered the A Zone, a 60,000 tonne resource grading 3.0 g/t gold in narrow veins. (This was an in-house calculation and does not conform to NI 43-101 standards). Noranda drilled a fence of 5 holes (S-85-1 to 5 series) across the south half of the property from the K-Zone to the A-D Zone, (current zone names). These revealed low grade gold over wide intersections. Noranda completed 38 holes for a total of 2880 metres, most of which were in the area of the A Zone. Noranda dropped the option in 1988.

Inco Exploration and Technical Services inc. – 1988-1990: Mapping, ground geophysics, trenching and drilling 22 holes totaling 2594.0 m; 19 gold occurrences identified using a 1 .0 g/t sample cut-off. cut N-S oriented grid lines and completed detailed geological, magnetic and rock geochemical surveys and presented the results on a series of 1 :2500 scale maps. A total of 19 showings of 1 g/t gold or better were evaluated by trenching and drilling (22 holes, 2594 metres). Inca terminated their agreement in 1990 presumably when the company decided to get out of gold exploration.

Ontario Geological Survey, 1990 had the Shebandowan Greenstone Belt flown utilizing the Aerodat Magnetic and Electromagnetic System, (Project J96441). Several EM conductors were detected on the Tower Mountain Property.

H. Lundmark-1989-1990: Stripping and trenching on current claims TB1202256 and TB1202258

Glamis Gold-1994-1995: Stripping and trenching on legacy claims TB1202256 & TB1202258. conducted a small program of prospecting and reported a grab sample of 50.0 g/t.

Avalon Ventures Ltd.: 1996-98: Data compilation, mapping, revaluation/detailed mapping of known gold occurrences, soil geochemical survey, I. P., trenching and drilling 4 holes totaling 1318.0m. In 1996, Avalon Ventures Ltd. optioned the property from the Stewarts and compiled all the

available property data at a scale of 1 :2500. Late in 1996, Avalon drilled a deep hole (739 m) in the A-D Zone under the Band C Showings. Two wide intercepts of low-grade gold mineralization were discovered; the B Zone, 0.5 g/t Au over 156 metres and the C Zone, 0.5 g/t Au over 105 metres. This led Avalon to conclude that the mineralization persisted to a depth of at

least 350 metres. Avalon contracted out an IP survey over a portion of the grid which increased the area covered by previous surveys. However, a gap in the coverage exists in the area of Valgold's UV Zone. The property was returned to the Stewart's when gold prices dropped in the late 1990' s.

Valgold Resources Ltd.-2002: Reconnaissance mapping and lithochemical sampling, trenching and drilling 5 holes totaling 1042.0m Highlights of the drilling included a wide, low grade gold zone in TM-02-3, 1.05 g/t over 73.5 metres and a high

grade intercept of 23.17 g/t over 1.5 metres in hole TM-02-2. Additional work was recommended

for 2003. Trenching and drillings programs were completed in the spring of 2003. Two new gold showings

with values of one gram or better in channel samples were discovered by trenching, one in the AD Zone area (TR 03-6) and the second southwest of the UV Zone (TR 03-1). Drilling results for the 5-hole program were best in TM-03-2 with 11.177 g/t Au over 3.0 metres and in TM-03-3, 2.06 g/t over 7.5 m and 1.01 g/t over 22.5 m. These intersections may form part of the UV Zone mineralization trend.

Valgold Resources, fall of 2003, seven drill holes tested the UV Zone, the A-Zone and the D-Zone. Two

holes (TM-03-6, 7) into the eastern projection of the A-Zone failed to hit significant mineralization. The D-Zone target returned a wide, low-grade intersection of 0.55 g/t Au over 49.5 metres including a maximum value of 1.6 g/t over 1.5 m. in TM-03-S. The remaining holes (TM-03-9 to 12) tested the UV Zone along strike at 100 and 200 metre step outs. The results confirm the presence of several narrow, high grade gold zones in the UV Zone within a wider, auriferous envelope. Some of the better results are as follows:

A wide, low grade gold zone was partially defined in the lower section of some of these holes with widths of up to 25 metres and grading 0.5 g/t or better.

Recommendations for more drilling were warranted from these results and led to an expanded program in 2004-05.

Valgold, 2004 – 2005 additional stripping and drilling 50 drill holes at 13,000m

Highlights from drilling.

- TM04-09 2.4g/t over 61.50m
- TM04-19 1.04 g/t Au over 73.48 included 68911 over 1.5m
- TM04-31 0.93 G/T Au pver 109.5m
- TM04-36 3.66 g/t Au over 24m include 50,033 g/t Au over 1.5m
- TM05-0.72 g/t Au pver 24m

Valgold from 2007 to 2012 concentrated on drilling with 35 holes totalling 6471m.

Highlights from drilling.

- TM07-56 58,197 g/t Au over 1.5m
- T11-63 0.89 g/t Au over 63.0m
- TM11-67 0.89 g/t Au over 58.5m
- TM11-84 1.12 G/T Au over 39m

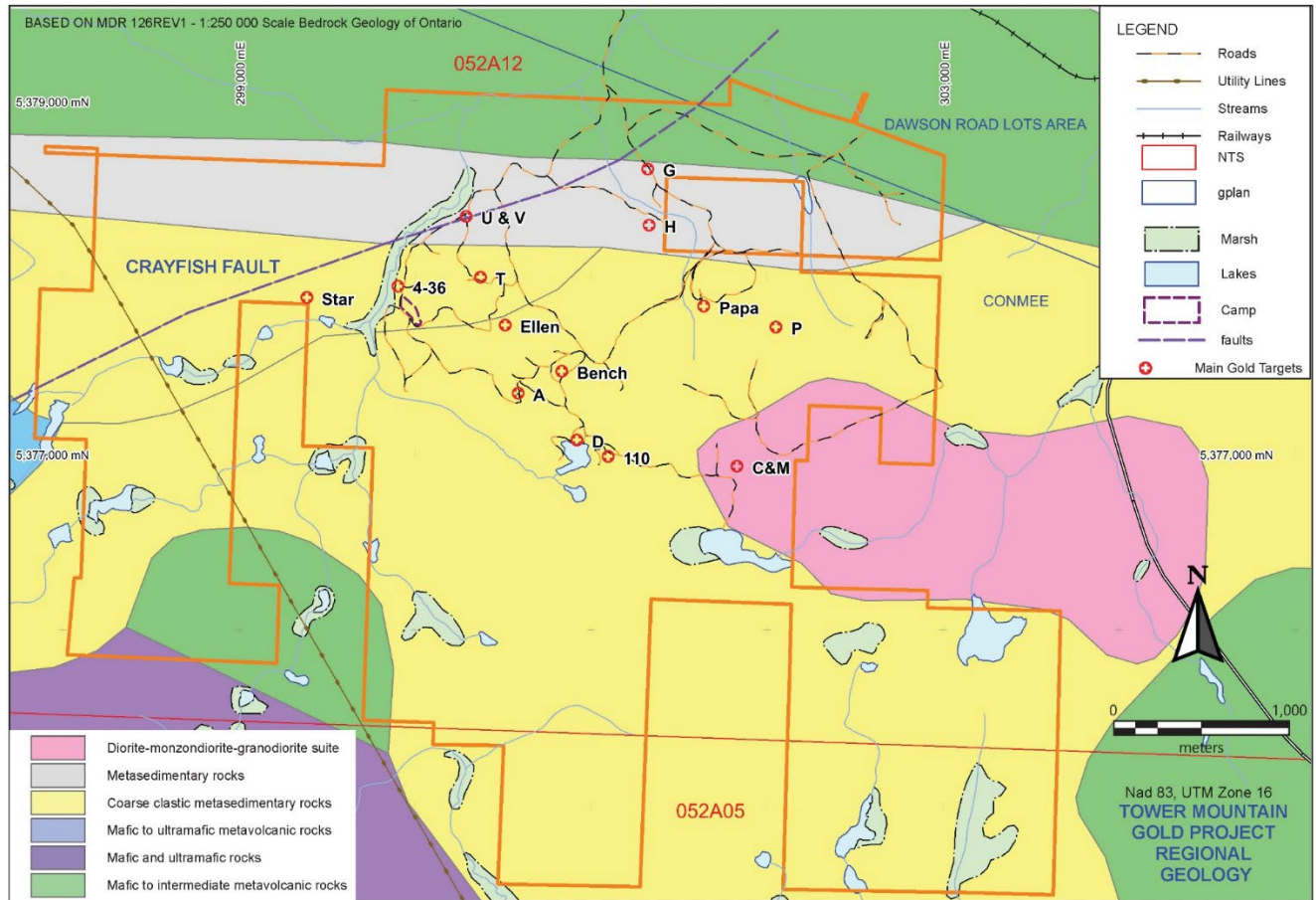


Figure 8: Regional geology map. (MRD126REV1)

5 Regional Geology

The Tower Mountain property is located within the western extension of the Abitibi-Wawa Shebandowan subprovince of the Superior structural province of the Canadian Shield (see figure 8). On a local scale, the property is situated near the eastern end of the Shebandowan Greenstone Belt wedged between metasediment of the Quetico Province to the north and granitic terrain to the south.

Stratigraphy of the Shebandowan Greenstone Belt comprises two opposite dipping Keewatin age assemblages, termed the Greenwater and Burchell, and a third unconformably overlying assemblage of Timiskaming age referred to as the Shebandowan. The two older, volcanic

dominated assemblages typically include a suite of mafic to felsic volcanic cycles consisting of tholeiitic to calc-alkaline rocks and some komatiitic units. The younger, unconformably overlying suite of sedimentary and volcanic rocks, including units of alkalic affinity, resemble rocks of the Timiskaming Group near Kirkland Lake.

The Shebandowan assemblage occurs as two linear belts of fluvial-alluvial sediments, alkalic volcanics and intrusive rocks deposited in fault bound basins within the older Keewatin stratigraphy. These structurally controlled basins are inferred to be products of localized extension during early regional transpression of the greenstone sequences. This extension led to the formation of pull-apart basins that were later infilled with the Timiskaming-like sequences (i.e. Shebandowan assemblage).

The Shebandowan Greenstone Belt is host to numerous gold occurrences particularly within the two belts of Timiskaming-like rocks. The southern of these two belts is referred to as the Matawin Gold Belt. The Tower Mountain property is situated within the eastern limits of this belt.

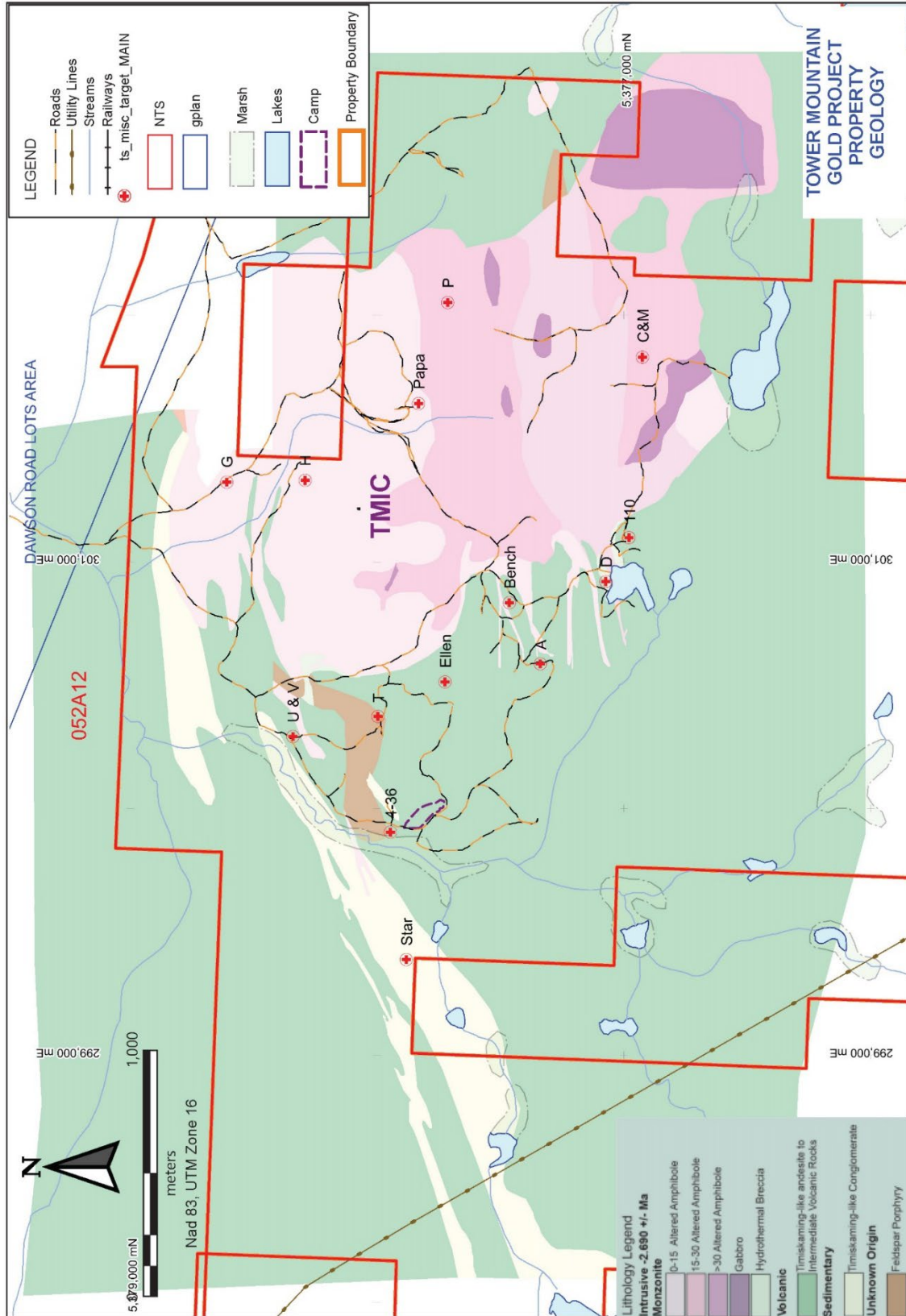


Figure 9: Property geology map based on Miscellaneous Release—Data 330

6 Property Geology

6.1 Lithology

The principal rock types are alkaline to felsic in nature, including monzonite, syenite/trachyte, feldspar porphyry, sub-aerial volcanic breccias, hydrothermal breccias and microporphyratic to fragmental intermediate volcanic to hypabyssal rocks. The main intrusive monzonite underlies the eastern portion of the property which was intruded into massive Timiskaming aged intermediate volcanic rocks. Previous workers and reports suggest that the intrusion was contemporaneous with the broad volcanic package. Numerous examples from core logging of what is termed here as 'injection' textures of syenite within volcanics are well-developed locally and appears to confirm this. Occasionally where somewhat rounded on a cm-scale within the volcanics the syenite could be misconstrued as 'clasts' but it is more common as forming highly irregular contacts. The volcanic/hypabyssal units commonly exhibit a mostly mafic 'spotted' medium grained texture what is identified in current logging as a phyrlic texture. This may or may not be correct as this texture may also be a result of alteration, but the term was kept for consistency. Historical logging generally identifies almost all of the volcanic units from core as various volcanoclastic tuffaceous units. This appears to be correct at the 04-36 Zone but overall, within the majority of holes drilled the paucity of any kind of bedding, sorting, accretionary lapilli textures and fiamme textures plus the presence of local vesicular textures, noted both empirically and from petrology strongly suggests that most of not all volcanics are flows. Petrology also shows strong evidence of auto-brecciation locally. With regards to trachyte this term was used more as a textural term (as opposed to chemical) where medium grained mafic, and less common plagioclase, laths are clearly aligned. Petrology also shows this texture to be common on a microscopic scale and thus not identified from core logging.

6.2 Alteration

Although not common where rocks do not exhibit secondary alteration there is pervasive background of chlorite alteration attributed to regional sub-greenschist metamorphism. By far the dominant secondary alteration throughout most of the property is calcite and hematite.

Calcite is very common within the matrix of most units and can occur associated with hairline calcite stringers but it's just as common if not more so where stringers are absent occurring as alteration of the matrix. Additionally, there a number of intersections of calcite veining from 3-20% where the matrix doesn't exhibit calcic alteration. Hematite occurs from weak and patchy to well-developed and semi-pervasive at almost all targets usually associated, but not always, with various syenite/trachyte dykes and small apophysis'. Field relationships noted from logging suggest that the Ca-Fe alteration was the first phase of alteration. Post-dating this

initial alteration and almost as common includes sericitization, a second phase of carbonatization (calcite>>ankerite) and chlorite alteration commonly occurring together as local patchy infill or along fractures. The secondary calcite/ankerite + chlorite alteration along with pyrite appears to be important with regards to gold mineralization and is attributed to hydrothermal activity emanating from the intrusive. Locally developed in the southern area (A Zone, D Zone and to a lesser extent the Bench Zone) is fairly well-developed patchy epidote. Tourmaline does occur observed from logging and petrology but is highly localized and overall does not appear to be a significant part of the property scale hydrothermal alteration assemblage.

6.3 Mineralization

Another defining characteristic of the Tower property is the ubiquitous pyrite in all lithological units and alteration types. Pyrite can occur in a number of styles and textures. The following is noted from various logs as a summary of pyrite variability throughout the various zones;

- 1) ~5% as very fine grained and disseminated
- 2) assoc w/ calcite + chlorite infill occurring as rounded alteration patches which overprints hematite
- 3) disseminated within black matrix of local breccia
- 4) assoc w/ quartz + chlorite vnlt

- 5) well developed within black nodules
- 6) cm-scale patches

Gold intercepts are generally associated with 1), 2), 3) and 4) with very fine grained disseminated seemingly the most common.

7 Exploration

From August 31 to September 15, 2020, grab samples were collected by Michael Stares and Cliff Hickman totaling 322 samples. This covered an approximate area of 2.0 km by 1.2 km on the center claims. See Appendix D for list of samples with descriptions and assays.

Table 1 Grab samples 2020 with gold values greater than 1g/t

Sample No#	Easting N83Z16	Northing N83Z16	Sample Description	Au G/T
878477	300938	5377074	Breccia mor green rubble from trench TM03-08	1
1022606	301303	5377645	No Descriptions	1.07
878461	300247	5377833	Red Synite 2%py subcrop lee patent	1.07
878465	301102	5377442	Altered synite oc 5% py lage oc	1.12
878362	300684	5377576	Syn brecc 5%py old channel sample	1.13
1022519	300532	5377385	Nor tr unit 2 py coarser	1.14
878399	301345	5378288	Brch syn slight altd 3% pyr up to	1.16
1022511	300566	5377368	Nor tr 1 u1 very sil 7%py	1.17
1022732	301266	5378317	Ol tr decem pyr	1.18
878161	300593	5378202	Same as 161	1.24
878163	300591	5378198	Altered and carb 3%py sil	1.26
878357	300678	5377574	Sil fractured bre grab sampl	1.27
1022723	300090	5377860	Largeboulldr sil grey 2%py	1.32
878372	300500	5377738	Syl syn 1% pyr fractured	1.33
1022535	300561	5377368	Nor tr 2u2fin py	1.38
1022513	300571	5377365	Nor tr 1 very sil 5%py	1.4
1022520	300534	5377382	Nor tr 2 unit 2 fine and coarse py pitted 5%	1.55
878394	301267	5378314	Syn brch alt otcrop 3% pyr	1.7
878396	301275	5378315	Sub boulder syn brch	1.74
1022523	300533	5377375	Nor tr 2 grey sil fine grained u2	1.74
1022711	300082	5377910	Sil grey boulder 2%py	1.76
878359	300676	5377575	Sil syn bre2% py old channel sampl	1.93

878360	300675	5377574	Sil bre syn 3% py old channel sample	2.04
878398	301321	5378298	Lrg boulder brch syn 2% pyr	2.16
1022631	300375	5377982	Silsmal frags 2%py old vale trench	2.19
878474	300935	5377103	Tr 0308 Litle shear in red synite breccia 5% py	2.42
1022521	300538	5377369	Nor tr u2 sil grey fine py	2.66
878361	300681	5377578	Bre syn 2%py old channl sample	2.98
1022734	301261	5378342	Rubbly syn 2% pyr	3.39
1022716	300556	5378282	Same area s 878195	3.49
878302	300970	5377555	Rubble peices subcrop 5% py near qtz vein	4.02
1022522	300536	5377371	Nor tr 2 u2 cor and fine py	4.12
1022537	300554	5377360	Nor tr 2 look more like u1 sil lighter gry 3py	4.35
1022628	300516	5377361	No Descriptions	4.6
878498	300575	5377365	Nor tr 2 u1 sil 5%py rd frags	5.31
1022536	300556	5377365	Nor tr 2 u1 fn and cor py	6.1
1022534	300565	5377362	Nor tr 2 u2 brighter grey red frags medium grainey	7.68
1022539	300541	5377367	Nor tr2 unit 2 cor and fine py	8
1022538	300546	5377365	Nor tr unit 2more intusive looking 4%py fn cor	16.2

8 Sample Preparation and Analyst

All samples were delivered by Michael Stares and Cliff Hickman to Activation Laboratories Ltd. and preparation facility in Thunder Bay, Ontario. The Actlabs analytical package requested were Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay), QOP AA-Au (Au - Fire Assay Gravimetric) and Code 1E3-Tbay Aqua Regia ICP(AQUAGEO). The samples were processed, and representative pulps sent to Activation Laboratories Ltd.'s analytical facility in Ancaster, Ontario for analysis. See appendix V for explanation of Actlab's methods.

9 Conclusions

Late alkaline plutons are common along major structural discontinuities in Archean greenstone belts. In the Abitibi subprovince, they are usually of limited surface area (<10 km²), although the largest ones may attain 100 km². They display rounded to elliptical shape. Their compositions vary from gabbro to granite, with large variations in alkali related both to primary signature and late potassic mobility. However, they do form a distinct assemblage termed 'sanukitoid'

suggesting formation by fractionation of the same type of magmatic reservoir. Numerous gold deposits have been associated with such magmatism, including the large Canadian Malartic gold deposit. In fact, Canadian Malartic is now recognized as a complex system developed in two main stages; (1) an early gold mineralization event related to “syn-Timiskaming” porphyritic intrusions and characterized by potassic alteration, stockworks and a complex metallic assemblage of Au + Te +W+ Bi ± Ag ± Mo ± Pb; (2) a syn-deformation gold mineralization which consists of either remobilization of the first gold concentration or mineralization associated with a super imposed hydrothermal system. This is consistent with the model described for intrusion-related gold deposits that have a positive, central high, magnetic signature, such as Beattie and Young-Davidson.

The early alteration stage of potassic alteration (K-feldspar) is usually magnetite producing or, at least, magnetite remains stable. Magnetite and K-feldspar crystallisation are produced by biotite and/or amphibole iron oxidation. In oxidized-alkaline systems such as the Abitibi alkaline-related gold deposits, potassic alteration is abundant but the magnetite-hematite transition is the key to gold precipitation.

A high-magnetic response is expected for magnetite-rich zones whereas the phyllic and propylitic alteration zones are magnetite-destructive, with crystallization of pyrite and hematite and are therefore less magnetic. In several deposits in the AGB (e.g. O’Brien, Douay, Beattie, Young-Davidson, Golden Arrow), gold mineralization is frequently associated with pyrite-hematite-rich zones, and therefore should be located in zone of lower magnetic susceptibility resulting in a low aeromagnetic response.

Phanerozoic Cu-(Au) porphyry deposits are related to small intrusions which are the expression of a late magmatic evolution of a large un-mineralized parental batholith. Geochemical compositions of late- Archean intrusions show that these stocks may represent three differentiation stages of the same parental magma. Therefore, it is possible to draw a parallel between Phanerozoic porphyry deposits and late- Archean intrusion related gold deposits where the large, heterogeneous, un-mineralized intrusions would be equivalent to Phanerozoic parental

batholiths. Small, more felsic, mineralized intrusions—“positive-like” and “annular-like”—would be the equivalent of Phanerozoic mineralized porphyries.

In conclusion, small intrusions, less than 3 km², are highly prospective with 50% of the intrusives from the AGB hosting gold occurrences and/or deposits. Gold mineralization is associated with either (1) extensive metasomatism of the host rocks around the intrusion due to magmatic fluids and (2) metasomatized syenite due to magmatic-metamorphic fluid mixing. These two styles of mineralization correspond to (1) “annular” and (2) “positive” patterns respectively with both types equally prospective.

It is recommended that the area be covered by an Induced polarization (IP) geophysical survey along with diamond drilling.

10 Certification of Qualifications

I, Cathy Salo, of 475 Francis St. East, Thunder Bay, Ontario, do hereby certify that:

1. I hold a Bachelor of Science Degree in Earth Science (1989) from Memorial University of Newfoundland, St. John's, Newfoundland and Labrador.
2. I have practiced my profession in Ontario since 1989 and have been employed directing by Ontario mining exploration companies for the last 20 years as the sole proprietary of Salo Geoscience Services.

A handwritten signature in cursive script that reads "Cathy Salo". The signature is written in black ink and is positioned to the left of the typed name and company information.

Cathy Salo, P.Ge

Salo Geoscience Services

Date: August 20, 2022

11 References

Chataway, R. T., March 20, 2011, Assessment Report for The Drilling Program on Valgold Resources Ltd.'s Tower Mountain Property, Thunder Bay Mining District, Ontario.

Jobin-Bevans, S, Kelso, L, Cullen, D, February 9, 2006 Independent Mineral Resources on Tower Mountain Gold Deposit , Conmee Township , Northwestern Ontario, Canada

Ludovic Bigot, L, Jébrak, M. Gold Mineralization at the Syenite-Hosted Beattie Gold Deposit, Duparquet, Neoproterozoic Abitibi Belt, Canada, Département des Sciences de la Terre et de l'Atmosphère, Université du Québec à Montréal (UQÀM), C.P. 8888 Succ. Centre-ville, Montréal, Québec H3C 3P8, Canada

Ontario Geological Survey, Gélinas B. R. , Lodge, R.W.D., Gibson, H.L.: Miscellaneous Release—Data 330, Characterization of the Mineralization and Alteration at Tower Mountain, Conmee Township, Shebandowan Greenstone Belt, Ontario

Ontario Geological Survey, 2011 1:250 000 Scale Bedrock Geology of Ontario Miscellaneous Release – Data, 126REV1

APPENDIX A

List of personnel and contractors

Brett LaPeare, project geologist – internal document used for part of assessment report.

Cliff Hickman (Hickman Prospecting) – prospecting and collection of samples

Michael Stares - prospecting and collection of samples

Cathy Salo (Salo Geoscience services) – drafting and report.

Activation Laboratories Ltd., 1201 Walsh Street West, Thunder Bay, Ontario, Canada

Appendix B

Claim List

Tower Mountain Gold Project's Claim List

Tenure num	Type	Tenure	Issue date	Anniversary	Claim due	Holder
199789	Single Cell Mining Claim	Active	20180410	20231203	20231203	(100) MELVIN ANGUS STEWART
203672	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
215936	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
226748	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
234524	Single Cell Mining Claim	Active	20180410	20231122	20231122	(100) MELVIN ANGUS STEWART
234525	Single Cell Mining Claim	Active	20180410	20231122	20231122	(100) MELVIN ANGUS STEWART
239240	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
243746	Single Cell Mining Claim	Active	20180410	20231203	20231203	(100) MELVIN ANGUS STEWART
241623	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
251071	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
268550	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
267286	Single Cell Mining Claim	Active	20180410	20231203	20231203	(100) MELVIN ANGUS STEWART
277893	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
276378	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
277573	Single Cell Mining Claim	Active	20180410	20231203	20231203	(100) MELVIN ANGUS STEWART
286518	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
286519	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
288751	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
290562	Single Cell Mining Claim	Active	20180410	20231122	20231122	(100) MELVIN ANGUS STEWART
290520	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
296780	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
302207	Single Cell Mining Claim	Active	20180410	20231211	20231211	(100) MELVIN ANGUS STEWART
300445	Single Cell Mining Claim	Active	20180410	20231203	20231203	(100) MELVIN ANGUS STEWART
305545	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
306412	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
309585	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
312290	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
314262	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
324072	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
324027	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
325618	Single Cell Mining Claim	Active	20180410	20231203	20231203	(100) MELVIN ANGUS STEWART
326962	Single Cell Mining Claim	Active	20180410	20231206	20231206	(100) MELVIN ANGUS STEWART
329740	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
337191	Single Cell Mining Claim	Active	20180410	20231126	20231126	(100) MELVIN ANGUS STEWART
343624	Single Cell Mining Claim	Active	20180410	20231217	20231217	(100) MELVIN ANGUS STEWART
334136	Single Cell Mining Claim	Active	20180410	20231122	20231122	(100) MELVIN ANGUS STEWART

Appendix C – Assay Certificates



Report No.: A20-12655
Report Date: 23-Nov-20
Date Submitted: 13-Oct-20
Your Reference: Tower Stock Gold Property

White Metal Resources
3250 Highway,130 Rosslyn
ON
Canada

ATTN: Mike Stares

CERTIFICATE OF ANALYSIS

163 Rock samples were submitted for analysis.

Table with 3 columns: Sample ID, Analytical Package, Testing Date. Rows include 1A2-Tbay, 1A3-Tbay, and 1E3-Tbay.

REPORT A20-12655

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained.

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:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A20-12655

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
878351	169	0.6	< 0.5	53	498	7	18	23	53	1.42	63	15	44	1.1	< 2	0.80	28	12	4.06	< 10	< 1	0.66	60
878352	206	0.6	< 0.5	84	605	< 1	16	82	62	1.59	55	< 10	40	< 0.5	4	0.99	16	43	6.34	10	< 1	0.18	69
878353	83	< 0.2	< 0.5	21	385	4	9	20	48	1.43	40	15	21	0.9	3	0.55	11	12	5.86	< 10	2	0.98	44
878354	173	0.3	< 0.5	18	165	7	5	29	26	1.17	60	11	25	0.9	4	0.26	7	5	5.79	< 10	< 1	0.64	61
878355	222	0.4	< 0.5	48	146	9	18	43	32	1.37	120	22	34	1.0	< 2	0.35	12	32	5.19	< 10	< 1	0.64	38
878356	142	0.3	< 0.5	47	267	2	47	15	43	1.45	112	15	32	1.0	< 2	0.84	22	71	4.94	< 10	< 1	0.49	35
878357	1270	0.7	< 0.5	26	538	4	136	5	36	1.98	18	< 10	15	< 0.5	2	1.20	25	248	5.26	< 10	< 1	0.14	13
878358	107	0.3	< 0.5	70	299	< 1	118	2	19	2.07	18	< 10	29	< 0.5	< 2	0.37	21	274	4.94	10	< 1	0.27	20
878359	1930	0.4	< 0.5	35	293	2	126	3	19	1.44	17	< 10	20	< 0.5	3	1.89	26	228	4.94	< 10	< 1	0.25	11
878360	2040	0.4	< 0.5	48	520	1	112	< 2	33	1.77	17	< 10	20	< 0.5	2	1.80	31	219	5.27	< 10	1	0.22	13
878361	2980	0.6	< 0.5	181	521	5	139	3	24	1.28	24	< 10	32	< 0.5	3	1.62	26	330	5.00	< 10	< 1	0.11	15
878362	1130	2.4	< 0.5	80	649	23	329	24	31	1.09	34	< 10	< 10	< 0.5	12	1.10	57	381	10.7	< 10	2	0.10	< 10
878363	31	< 0.2	< 0.5	22	379	1	87	8	58	1.95	25	< 10	74	< 0.5	< 2	0.24	14	173	3.93	< 10	< 1	0.27	26
878364	142	0.3	< 0.5	11	1490	16	233	10	25	1.04	15	10	40	0.5	< 2	4.15	32	106	5.10	< 10	< 1	0.40	< 10
878365	99	0.4	< 0.5	27	638	< 1	128	6	51	2.17	13	< 10	44	< 0.5	< 2	1.19	26	159	4.76	10	< 1	0.07	18
878366	26	< 0.2	< 0.5	52	1340	2	20	4	106	1.61	8	< 10	80	0.8	< 2	2.06	16	13	4.47	< 10	< 1	0.60	42
878367	98	< 0.2	< 0.5	9	385	2	275	12	20	1.42	32	< 10	26	< 0.5	< 2	0.56	32	306	3.84	< 10	< 1	0.21	< 10
878368	40	< 0.2	< 0.5	101	746	10	19	4	55	1.63	12	17	133	1.2	< 2	1.40	24	26	4.07	< 10	< 1	0.80	82
878369	250	0.7	< 0.5	39	478	< 1	223	9	21	1.80	11	< 10	20	0.5	7	1.38	34	387	5.53	< 10	1	0.38	< 10
878370	103	0.3	< 0.5	50	553	2	21	6	31	1.32	10	< 10	22	< 0.5	< 2	1.96	20	22	5.26	< 10	< 1	0.18	19
878371	101	0.3	< 0.5	27	933	2	132	2	37	1.73	13	< 10	31	< 0.5	2	2.99	23	240	5.08	< 10	< 1	0.11	11
878372	1330	4.8	< 0.5	276	634	2	254	4	31	1.47	15	< 10	14	< 0.5	3	1.19	36	375	5.45	< 10	< 1	0.20	< 10
878373	465	5.4	< 0.5	514	513	3	253	11	31	1.23	15	< 10	< 10	< 0.5	3	0.68	36	335	7.95	< 10	2	0.18	< 10
878374	793	0.3	0.5	189	946	< 1	170	< 2	37	2.28	10	< 10	54	< 0.5	< 2	2.54	34	354	4.71	< 10	< 1	0.19	< 10
878375	172	0.4	< 0.5	36	826	< 1	158	< 2	42	1.91	15	< 10	25	< 0.5	< 2	2.20	28	269	5.68	< 10	1	0.09	15
878376	80	0.2	< 0.5	22	51	31	14	18	< 2	0.57	43	< 10	67	< 0.5	< 2	0.02	2	55	5.44	< 10	< 1	0.53	16
878377	42	0.3	< 0.5	24	377	3	60	8	23	1.57	21	< 10	99	< 0.5	4	1.00	7	181	5.70	< 10	< 1	0.32	< 10
878181	66	0.2	< 0.5	69	404	3	31	7	68	1.58	41	22	26	1.0	< 2	0.81	26	26	5.76	< 10	1	0.61	44
878182	99	0.3	< 0.5	124	578	2	21	9	55	0.83	46	30	22	0.5	< 2	0.69	31	17	4.95	< 10	< 1	0.27	44
878183	83	0.4	< 0.5	104	1160	1	31	5	78	1.50	66	18	40	0.7	< 2	3.07	25	16	5.16	< 10	< 1	0.58	41
878184	40	0.4	< 0.5	16	1030	5	17	11	19	0.27	11	33	27	< 0.5	< 2	1.40	20	11	4.71	< 10	< 1	0.18	42
878185	63	< 0.2	< 0.5	34	491	3	22	6	53	1.08	31	20	31	0.7	< 2	1.04	25	18	4.57	< 10	< 1	0.42	41
878186	179	0.3	< 0.5	120	827	3	22	10	35	0.65	46	25	18	< 0.5	2	1.27	36	15	4.57	< 10	< 1	0.26	39
878187	75	0.2	< 0.5	108	857	2	21	10	38	0.64	17	28	19	0.5	< 2	1.48	28	19	4.01	< 10	< 1	0.29	52
878188	109	0.2	< 0.5	77	1340	12	14	14	82	1.63	33	12	22	0.5	< 2	0.92	22	11	6.17	< 10	< 1	0.37	52
878189	24	< 0.2	< 0.5	21	356	8	13	10	35	0.81	17	< 10	212	0.5	< 2	0.23	9	28	3.68	< 10	< 1	0.32	26
878190	79	0.2	< 0.5	31	87	11	14	10	22	0.88	23	18	36	0.6	4	0.27	14	14	3.17	< 10	< 1	0.46	47
878191	36	< 0.2	< 0.5	30	821	10	29	8	42	0.71	14	28	28	< 0.5	< 2	1.20	19	42	4.22	< 10	< 1	0.14	44
878192	44	0.3	< 0.5	75	1920	3	48	5	61	1.05	17	19	63	0.7	< 2	2.14	22	110	4.33	< 10	< 1	0.25	68
878193	142	0.8	< 0.5	44	474	5	52	8	95	1.57	40	11	45	0.6	2	0.44	22	98	4.77	< 10	< 1	0.35	43
878194	362	2.1	< 0.5	191	392	7	45	73	41	0.64	50	13	21	< 0.5	5	0.56	22	41	5.44	< 10	< 1	0.42	25
878195	708	1.1	< 0.5	54	452	4	15	31	30	0.58	14	18	26	< 0.5	< 2	0.49	20	8	4.91	< 10	< 1	0.38	49
878196	232	0.8	< 0.5	595	620	7	12	20	29	1.02	18	28	15	0.6	< 2	1.01	15	12	4.87	< 10	< 1	0.60	51
878197	327	3.2	< 0.5	720	308	14	9	35	26	0.79	23	48	21	< 0.5	< 2	0.50	13	12	4.46	< 10	< 1	0.49	48
878198	9	< 0.2	< 0.5	65	946	< 1	17	5	67	1.59	22	30	101	1.0	< 2	1.05	19	32	4.09	< 10	< 1	0.65	42
878199	10	< 0.2	< 0.5	117	1220	5	28	3	68	1.57	14	44	55	0.8	3	2.01	24	40	5.19	< 10	< 1	0.35	43
878200	12	< 0.2	< 0.5	111	949	2	23	7	79	1.55	25	41	30	0.8	4	0.79	24	33	5.20	< 10	< 1	0.45	46
878151	109	0.3	< 0.5	34	357	8	61	12	14	0.54	75	71	20	< 0.5	< 2	0.61	33	24	5.01	< 10	< 1	0.28	35
878152	190	1.2	< 0.5	41	381	23	24	21	12	0.95	20	67	19	0.7	4	0.81	33	15	4.76	< 10	< 1	0.55	44
878153	113	0.5	< 0.5	39	249	11	78	9	15	0.56	60	122	20	0.5	< 2	0.26	43	62	4.67	< 10	< 1	0.29	19
878154	169	0.6	< 0.5	158	414	8	146	24	22	0.86	64	127	14	0.7	4	0.34	53	86	7.58	< 10	1	0.48	12

Results

Activation Laboratories Ltd.

Report: A20-12655

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
878155	479	0.4	< 0.5	350	638	6	25	11	21	0.54	32	90	61	< 0.5	< 2	1.11	12	30	3.09	< 10	< 1	0.36	15
878156	118	< 0.2	< 0.5	358	587	9	21	8	19	0.85	23	52	30	0.6	3	1.27	23	15	3.98	< 10	< 1	0.50	31
878157	99	0.3	< 0.5	61	220	4	72	14	12	0.39	15	150	17	< 0.5	5	0.33	35	38	4.94	< 10	< 1	0.09	< 10
878158	72	< 0.2	< 0.5	267	503	4	39	9	12	0.49	20	127	25	0.5	< 2	1.23	21	16	4.42	< 10	< 1	0.26	29
878159	537	0.3	< 0.5	79	342	5	19	7	19	0.88	40	66	26	0.7	3	0.46	23	20	5.19	< 10	< 1	0.60	33
878160	154	0.4	< 0.5	567	448	14	37	7	35	1.00	23	59	51	0.6	< 2	0.58	16	46	3.94	< 10	< 1	0.60	25
878161	1240	0.6	< 0.5	599	1020	21	74	4	75	1.60	13	79	30	0.9	< 2	0.42	24	94	5.36	< 10	< 1	0.71	25
878162	63	0.3	< 0.5	49	287	6	31	14	19	0.58	16	104	11	< 0.5	2	0.59	25	10	6.41	< 10	2	0.30	36
878163	1260	1.7	< 0.5	432	189	14	31	14	32	0.71	13	82	46	< 0.5	2	0.04	4	81	8.54	< 10	2	0.46	11
878164	105	0.7	< 0.5	60	448	1	27	7	23	0.77	16	15	72	< 0.5	< 2	1.36	13	36	2.69	< 10	< 1	0.47	20
878165	228	0.2	< 0.5	19	390	2	26	8	18	0.66	24	11	21	< 0.5	2	1.72	13	32	2.89	< 10	< 1	0.42	16
878481	38	0.3	< 0.5	30	58	18	39	5	11	1.55	12	27	25	< 0.5	3	0.14	18	65	2.88	< 10	< 1	1.05	15
878482	18	< 0.2	< 0.5	15	66	2	29	12	8	0.99	9	19	55	< 0.5	< 2	0.06	15	45	2.44	< 10	2	0.70	< 10
878483	228	0.3	< 0.5	13	173	23	44	6	7	1.03	7	35	27	< 0.5	< 2	0.37	25	49	2.31	< 10	4	0.60	< 10
878484	126	< 0.2	< 0.5	16	79	30	34	4	9	1.51	12	46	38	< 0.5	3	0.09	16	58	2.69	< 10	1	0.94	14
878485	32	< 0.2	< 0.5	141	1180	3	28	2	61	2.55	17	< 10	29	1.1	< 2	3.29	34	21	6.92	10	1	0.23	47
878486	60	< 0.2	< 0.5	34	251	2	46	5	16	1.67	13	28	33	0.7	4	0.35	26	76	3.34	< 10	< 1	1.16	12
878487	13	0.2	< 0.5	18	50	1	6	9	11	1.45	12	33	59	< 0.5	3	0.16	7	7	1.89	< 10	< 1	1.02	35
878488	82	< 0.2	< 0.5	28	57	2	7	10	9	1.31	11	28	18	< 0.5	< 2	0.11	10	9	2.62	< 10	1	0.83	28
878489	54	< 0.2	< 0.5	27	372	2	6	11	20	1.44	9	30	36	0.5	3	1.09	7	6	2.17	< 10	< 1	0.92	32
878490	30	< 0.2	< 0.5	31	57	5	4	10	6	1.14	4	26	67	< 0.5	3	0.07	4	7	1.82	< 10	< 1	0.71	36
878491	99	0.4	< 0.5	30	862	2	25	9	37	2.24	27	44	18	0.9	4	1.90	26	14	5.51	< 10	2	1.43	45
878492	188	0.4	< 0.5	104	974	< 1	25	14	46	1.75	6	24	22	0.6	2	2.60	27	16	5.37	< 10	2	1.05	32
878493	213	0.2	< 0.5	100	1160	1	27	7	61	2.11	6	22	35	0.7	< 2	1.59	29	19	4.86	< 10	2	1.11	45
878494	81	0.2	< 0.5	56	742	2	22	6	42	1.41	5	23	20	0.7	< 2	2.36	22	20	3.92	< 10	< 1	0.86	42
878495	95	0.5	< 0.5	172	159	2	24	14	21	1.73	4	30	12	< 0.5	2	0.52	27	13	6.09	< 10	3	1.20	52
878496	44	0.2	< 0.5	28	1040	2	27	21	73	2.10	5	14	16	0.8	3	1.31	24	28	6.04	< 10	2	0.77	54
878497	68	0.4	< 0.5	51	1010	1	28	13	42	1.65	12	26	25	0.7	3	2.89	26	15	4.75	< 10	1	1.05	35
878498	> 5000	1.4	< 0.5	233	112	2	22	9	24	1.73	8	26	11	0.7	209	0.53	30	15	6.47	< 10	1	1.13	41
878499	317	0.6	< 0.5	116	549	7	29	12	24	1.08	5	15	15	< 0.5	12	0.38	18	17	4.77	< 10	< 1	0.69	44
878500	424	0.7	< 0.5	41	632	2	26	9	37	1.67	10	38	19	0.7	7	0.90	26	21	4.93	< 10	2	1.07	40
878460	2010	0.9	< 0.5	38	1400	1	13	10	51	1.25	13	14	22	0.5	< 2	3.11	17	8	4.04	< 10	< 1	0.71	37
878461	1070	2.0	< 0.5	149	552	4	11	11	48	1.55	14	15	13	0.5	< 2	1.06	15	11	4.07	< 10	< 1	0.82	45
878462	33	< 0.2	< 0.5	141	935	8	19	5	42	1.21	10	12	18	0.6	< 2	2.80	25	12	4.77	< 10	< 1	0.53	49
878463	40	< 0.2	< 0.5	63	1110	2	16	5	45	1.71	14	14	199	0.8	< 2	1.00	16	19	5.55	< 10	< 1	0.98	68
878464	32	< 0.2	< 0.5	23	788	3	34	10	76	0.83	13	13	19	< 0.5	< 2	1.56	16	23	3.03	< 10	< 1	0.37	24
878465	1120	1.6	< 0.5	351	1410	5	26	5	45	1.76	3	< 10	11	< 0.5	< 2	2.66	19	31	5.58	10	2	0.20	34
878466	18	< 0.2	< 0.5	133	1230	1	37	5	98	2.16	10	12	42	1.0	< 2	2.80	28	42	5.08	< 10	2	0.84	59
878467	36	< 0.2	< 0.5	40	850	1	87	3	70	2.78	19	13	26	< 0.5	< 2	2.60	27	157	5.06	< 10	3	0.22	< 10
878468	274	0.6	< 0.5	99	178	2	28	7	24	1.57	8	29	21	0.5	< 2	0.40	22	30	4.94	< 10	11	0.91	12
878469	38	< 0.2	< 0.5	72	978	< 1	21	5	61	2.57	7	< 10	< 10	< 0.5	< 2	0.74	23	22	6.74	10	1	0.26	31
878470	196	0.2	< 0.5	132	897	2	29	6	29	2.08	3	< 10	11	0.6	< 2	1.91	78	10	7.25	< 10	2	0.39	< 10
878471	430	0.8	< 0.5	52	1540	2	29	6	83	1.67	5	< 10	< 10	< 0.5	< 2	2.51	34	3	6.23	< 10	3	0.51	< 10
878472	338	< 0.2	< 0.5	62	991	< 1	24	< 2	110	2.47	3	< 10	103	< 0.5	< 2	1.88	16	4	5.53	10	2	0.46	12
878473	516	0.4	< 0.5	28	1200	< 1	27	3	112	2.65	13	< 10	18	< 0.5	< 2	1.57	37	5	6.63	10	2	0.47	11
878474	2420	2.3	< 0.5	55	670	24	34	10	74	1.76	13	< 10	< 10	< 0.5	< 2	0.65	37	6	6.66	< 10	2	0.51	< 10
878475	368	0.4	< 0.5	501	882	< 1	40	7	115	2.39	5	< 10	< 10	< 0.5	< 2	0.31	32	5	7.36	10	< 1	0.43	< 10
878476	270	0.5	< 0.5	41	828	< 1	23	5	83	2.06	12	< 10	13	< 0.5	< 2	0.75	25	5	7.40	10	2	0.55	< 10
878477	998	1.2	< 0.5	34	1100	< 1	39	7	113	2.83	11	< 10	12	< 0.5	< 2	0.37	39	5	8.39	10	2	0.68	< 10
878478	157	0.2	< 0.5	37	1010	2	52	8	89	2.43	33	< 10	15	< 0.5	2	1.73	32	12	7.37	10	2	0.27	10
878479	13	< 0.2	< 0.5	68	718	1	24	6	44	1.66	17	< 10	13	< 0.5	< 2	1.84	21	26	4.81	10	< 1	0.22	56

Results

Activation Laboratories Ltd.

Report: A20-12655

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
878480	430	0.4	< 0.5	22	525	2	13	11	40	1.67	16	11	17	< 0.5	< 2	0.86	17	14	6.12	10	1	0.18	< 10
878125	38	0.4	< 0.5	179	150	2	4	20	26	1.23	3	< 10	52	0.6	< 2	0.04	3	15	1.92	< 10	< 1	0.27	30
878301	124	0.5	< 0.5	9	217	3	14	7	9	0.77	11	15	18	< 0.5	3	0.67	15	19	2.31	< 10	< 1	0.47	19
878302	4020	3.9	< 0.5	55	392	17	27	16	23	1.32	12	< 10	< 10	0.7	4	0.67	30	49	6.87	< 10	1	0.22	40
878303	1300	0.9	< 0.5	147	493	3	121	6	20	0.92	15	< 10	17	< 0.5	< 2	1.06	27	394	4.93	< 10	< 1	0.29	< 10
878304	32	< 0.2	< 0.5	103	1040	3	8	10	38	1.04	5	12	169	0.7	< 2	1.80	12	10	3.29	< 10	< 1	0.63	69
878305	13	< 0.2	< 0.5	227	1120	< 1	29	18	140	2.68	5	10	44	1.1	< 2	1.54	24	33	6.56	10	1	0.93	63
878166	44	< 0.2	< 0.5	138	886	3	21	4	61	1.39	10	< 10	48	< 0.5	< 2	1.67	18	31	4.13	< 10	< 1	0.20	37
878167	59	< 0.2	< 0.5	47	721	4	16	7	66	1.40	14	< 10	44	< 0.5	< 2	0.67	12	31	4.71	< 10	< 1	0.27	27
878168	38	< 0.2	< 0.5	22	853	< 1	11	22	13	0.37	25	< 10	11	< 0.5	< 2	0.83	11	5	4.72	< 10	< 1	0.04	28
878169	24	< 0.2	< 0.5	77	812	5	26	4	70	1.75	11	< 10	60	0.6	< 2	1.48	20	39	4.62	10	< 1	0.28	38
878170	40	0.3	< 0.5	58	1080	9	23	12	44	0.93	18	< 10	24	< 0.5	< 2	2.55	19	30	4.11	< 10	< 1	0.20	31
878171	36	< 0.2	< 0.5	20	1500	3	26	7	33	0.96	22	14	31	0.6	< 2	2.88	15	11	4.04	< 10	< 1	0.44	32
878172	22	< 0.2	< 0.5	17	173	13	10	10	5	0.42	11	13	14	< 0.5	< 2	0.46	11	9	2.60	< 10	< 1	0.21	45
878173	48	0.3	< 0.5	21	180	25	10	24	12	0.32	39	14	< 10	< 0.5	< 2	0.25	8	15	4.00	< 10	< 1	0.16	31
878174	148	< 0.2	< 0.5	100	799	9	21	11	17	1.13	28	37	14	0.7	< 2	0.94	25	17	4.45	< 10	< 1	0.67	48
878175	44	0.3	< 0.5	121	604	11	11	8	16	1.11	43	41	45	0.7	< 2	0.68	14	16	2.88	< 10	< 1	0.62	52
878176	200	0.5	< 0.5	191	1630	3	23	13	39	0.80	81	18	18	0.6	< 2	3.51	21	18	5.15	< 10	< 1	0.42	27
878177	37	0.4	< 0.5	115	1480	< 1	21	7	73	1.37	23	17	33	0.7	< 2	5.25	26	15	5.85	< 10	< 1	0.65	40
878178	68	0.2	< 0.5	86	820	2	22	9	73	2.43	30	18	65	1.2	< 2	1.41	26	21	5.76	10	2	0.74	57
878179	86	0.3	< 0.5	238	477	15	18	8	43	1.10	27	50	10	0.7	< 2	0.82	25	14	4.38	< 10	< 1	0.52	42
878180	104	0.3	< 0.5	165	646	2	18	9	34	0.87	38	76	< 10	0.6	< 2	2.01	23	13	4.01	< 10	< 1	0.44	44
1022520	1550	1.0	< 0.5	246	545	2	35	15	67	2.12	6	16	11	0.9	30	0.96	25	35	6.85	< 10	1	0.66	44
1022521	2660	0.5	< 0.5	1030	307	< 1	29	12	32	1.73	3	< 10	11	0.5	15	0.81	26	42	5.16	< 10	2	0.42	28
1022522	4120	0.7	< 0.5	21	289	1	23	13	22	1.56	8	< 10	< 10	0.5	47	0.88	21	34	6.89	< 10	1	0.30	35
1022523	1740	0.4	< 0.5	33	348	1	33	9	39	1.93	7	10	14	0.9	15	1.35	22	45	5.55	< 10	1	0.54	28
1022524	476	0.4	< 0.5	15	674	2	26	36	59	1.48	9	< 10	11	0.8	24	1.47	28	26	7.81	< 10	1	0.40	42
1022525	584	0.8	< 0.5	165	111	4	20	8	18	1.26	4	23	15	< 0.5	2	0.43	26	12	4.49	< 10	< 1	0.93	52
1022526	34	< 0.2	< 0.5	42	706	2	23	5	27	1.34	8	18	79	0.7	2	0.72	15	34	2.84	< 10	< 1	0.83	23
1022527	504	0.6	< 0.5	30	225	16	23	12	8	0.46	32	58	10	< 0.5	< 2	0.33	24	15	4.13	< 10	< 1	0.24	45
1022528	347	< 0.2	< 0.5	71	739	4	14	5	28	1.37	13	26	64	0.8	< 2	0.66	15	15	3.16	< 10	< 1	0.87	78
1022529	124	0.9	< 0.5	52	517	1	24	7	30	0.91	8	14	17	< 0.5	2	0.77	11	37	2.88	< 10	< 1	0.50	18
1022530	541	1.0	< 0.5	24	502	38	36	15	11	0.42	51	53	< 10	< 0.5	< 2	0.88	30	26	5.03	< 10	< 1	0.29	43
1022531	244	1.1	< 0.5	43	203	15	14	21	9	0.57	19	22	13	< 0.5	3	0.61	17	12	3.43	< 10	< 1	0.36	72
1022532	114	0.4	< 0.5	53	249	11	21	22	18	1.07	89	33	< 10	0.7	< 2	0.38	143	11	6.75	< 10	1	0.64	44
1022533	70	0.5	< 0.5	59	387	24	10	14	18	0.98	25	43	16	0.6	< 2	1.29	21	4	3.86	< 10	< 1	0.58	89
1022534	> 5000	1.4	< 0.5	394	162	2	21	12	25	1.36	12	29	13	0.6	104	0.51	27	17	5.83	< 10	2	0.93	48
1022535	1380	0.6	< 0.5	19	463	2	24	32	77	1.45	18	< 10	< 10	0.7	21	0.99	42	29	8.37	< 10	2	0.39	52
1022536	> 5000	1.1	< 0.5	124	405	2	22	19	51	1.58	13	< 10	< 10	0.6	45	0.87	36	29	8.55	10	1	0.25	38
1022537	4350	1.1	< 0.5	229	444	2	23	12	20	0.76	9	< 10	< 10	< 0.5	64	0.83	46	22	6.55	< 10	1	0.37	39
1022538	> 5000	2.0	< 0.5	94	473	2	34	10	28	1.51	6	14	11	0.7	114	1.13	46	32	6.56	< 10	2	0.59	41
1022539	> 5000	1.0	< 0.5	173	191	2	23	10	20	2.09	12	16	11	0.7	67	0.61	41	23	7.00	< 10	< 1	0.74	66
1022501	216	0.5	< 0.5	52	797	2	41	7	62	1.48	9	22	17	0.5	5	0.91	25	23	5.62	< 10	2	0.85	30
1022502	146	1.0	< 0.5	37	305	3	27	8	21	1.60	5	31	14	0.7	7	0.71	33	18	5.27	< 10	2	1.06	47
1022503	144	1.3	< 0.5	55	657	2	32	19	23	1.57	12	30	14	0.7	3	0.88	29	15	5.32	< 10	3	1.03	38
1022504	63	0.5	< 0.5	111	1390	< 1	95	7	42	1.62	8	28	29	0.7	5	1.94	41	69	5.37	< 10	1	0.91	11
1022505	274	0.7	< 0.5	732	579	3	43	12	58	2.10	4	33	16	0.7	3	0.73	29	35	6.39	< 10	2	1.26	39
1022506	130	0.9	< 0.5	37	848	4	40	12	32	1.48	6	29	16	0.7	3	1.40	28	33	6.61	< 10	3	0.89	33
1022507	104	0.7	< 0.5	338	944	2	28	17	36	0.84	3	16	20	< 0.5	< 2	2.15	18	20	4.19	< 10	< 1	0.50	34
1022508	82	0.7	< 0.5	24	1910	2	27	9	68	1.46	3	< 10	10	0.7	< 2	1.57	25	30	6.97	< 10	2	0.35	47
1022509	364	0.5	< 0.5	31	93	3	20	10	12	1.35	6	24	32	< 0.5	3	0.42	23	20	3.42	< 10	< 1	0.90	41

Results

Activation Laboratories Ltd.

Report: A20-12655

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1022510	303	0.8	< 0.5	879	501	1	47	11	58	1.59	7	29	12	0.6	11	0.86	34	29	7.68	< 10	4	0.91	48
1022511	1170	0.4	< 0.5	75	331	1	45	11	56	1.48	6	27	< 10	0.5	8	0.63	32	29	8.23	< 10	3	0.84	40
1022512	870	0.4	< 0.5	147	184	2	32	10	26	1.42	12	31	12	0.6	6	0.48	28	20	6.92	< 10	2	0.91	48
1022513	1400	0.7	< 0.5	441	124	3	17	15	25	1.27	6	24	13	< 0.5	10	0.50	24	19	5.62	< 10	3	0.86	41
1022514	304	0.7	< 0.5	58	119	2	29	10	21	1.28	5	27	12	0.6	7	0.53	32	19	5.58	< 10	4	0.88	49
1022515	167	0.3	< 0.5	31	228	3	25	10	19	1.35	7	19	12	< 0.5	3	0.54	26	17	4.72	< 10	< 1	0.92	44
1022516	76	0.3	< 0.5	23	142	4	24	12	20	1.08	5	18	11	< 0.5	4	0.45	30	13	5.27	< 10	< 1	0.73	39
1022517	114	0.3	< 0.5	43	219	5	27	12	16	1.33	6	20	15	< 0.5	< 2	0.49	27	18	4.22	< 10	< 1	0.90	38
1022518	471	0.7	< 0.5	618	687	< 1	24	9	34	1.14	5	11	14	0.5	13	1.91	14	27	5.54	< 10	1	0.46	46
1022519	1140	1.3	< 0.5	418	421	2	29	27	62	2.01	11	< 10	10	0.7	24	1.46	25	44	7.41	10	1	0.39	29

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
878351	0.47	0.046	0.181	1.84	5	4	93	< 0.01	< 20	< 1	< 2	< 10	46	175	15	5	
878352	1.50	0.065	0.208	2.16	3	11	146	0.37	< 20	6	< 2	< 10	178	< 10	16	8	
878353	1.15	0.081	0.248	2.41	5	9	104	0.09	< 20	2	< 2	< 10	133	< 10	10	11	
878354	0.53	0.056	0.214	2.32	4	3	66	< 0.01	< 20	2	< 2	< 10	78	< 10	8	6	
878355	0.62	0.067	0.207	2.15	5	5	77	0.01	< 20	3	< 2	< 10	80	< 10	7	6	
878356	0.98	0.052	0.190	3.47	4	7	110	0.01	< 20	2	< 2	< 10	89	< 10	8	12	
878357	2.92	0.053	0.080	3.50	< 2	12	23	0.26	< 20	5	< 2	< 10	96	43	6	30	
878358	2.40	0.042	0.088	2.85	3	10	28	0.12	< 20	5	< 2	< 10	84	< 10	6	40	
878359	1.82	0.065	0.078	4.16	< 2	10	38	0.06	< 20	3	< 2	< 10	85	< 10	4	24	
878360	2.17	0.064	0.099	3.89	< 2	14	44	0.14	< 20	4	< 2	< 10	120	67	6	22	
878361	1.77	0.049	0.100	3.09	2	13	35	0.19	< 20	6	< 2	< 10	123	40	5	25	
878362	1.54	0.030	0.092	10.2	5	18	22	0.22	< 20	8	< 2	< 10	97	42	5	23	
878363	2.40	0.047	0.073	1.39	3	4	25	0.03	< 20	< 1	< 2	< 10	45	< 10	3	17	
878364	2.20	0.036	0.052	2.89	3	11	121	< 0.01	< 20	1	< 2	< 10	33	< 10	4	18	
878365	3.09	0.063	0.098	2.06	< 2	6	30	0.34	< 20	4	< 2	< 10	108	< 10	6	37	
878366	1.90	0.061	0.187	0.79	3	8	186	0.01	< 20	< 1	< 2	< 10	68	< 10	11	5	
878367	1.64	0.049	0.042	3.21	3	5	13	< 0.01	< 20	2	< 2	< 10	50	< 10	2	19	
878368	0.76	0.057	0.215	0.49	16	5	111	0.02	< 20	< 1	< 2	< 10	79	26	18	5	
878369	2.14	0.044	0.052	4.90	< 2	6	29	< 0.01	< 20	5	< 2	< 10	54	< 10	3	18	
878370	1.66	0.057	0.182	4.58	2	5	40	< 0.01	< 20	< 1	< 2	< 10	88	< 10	6	12	
878371	2.47	0.056	0.101	3.41	< 2	8	48	0.12	< 20	< 1	< 2	< 10	93	< 10	5	33	
878372	2.02	0.055	0.048	4.55	< 2	9	31	0.01	< 20	4	< 2	< 10	78	< 10	2	18	
878373	1.60	0.039	0.044	7.77	3	8	20	0.01	< 20	3	< 2	< 10	77	< 10	3	18	
878374	2.97	0.064	0.045	2.00	< 2	12	57	0.22	< 20	5	< 2	< 10	100	< 10	5	26	
878375	2.69	0.061	0.083	3.90	2	10	60	0.08	< 20	1	< 2	< 10	114	< 10	5	25	
878376	0.08	0.041	0.078	0.57	7	3	21	< 0.01	< 20	2	< 2	< 10	24	< 10	2	10	
878377	1.63	0.067	0.124	0.41	2	5	121	0.39	< 20	3	< 2	< 10	133	10	8	11	
878181	0.90	0.041	0.211	3.86	3	5	106	< 0.01	< 20	< 1	< 2	< 10	67	< 10	13	7	
878182	0.53	0.051	0.210	3.70	3	4	107	< 0.01	< 20	< 1	< 2	< 10	33	< 10	8	10	
878183	1.59	0.053	0.499	2.56	4	16	227	0.01	< 20	< 1	< 2	< 10	109	< 10	13	3	
878184	0.45	0.046	0.153	3.15	2	3	183	< 0.01	< 20	4	< 2	< 10	19	< 10	11	11	
878185	0.75	0.072	0.181	3.16	4	4	142	< 0.01	< 20	< 1	< 2	< 10	48	< 10	9	8	
878186	0.65	0.054	0.177	3.69	2	4	145	< 0.01	< 20	2	< 2	< 10	31	< 10	9	13	
878187	0.63	0.073	0.171	2.95	2	5	156	< 0.01	< 20	< 1	< 2	< 10	35	< 10	12	8	
878188	1.04	0.055	0.242	1.99	4	7	122	0.01	< 20	< 1	< 2	< 10	88	< 10	13	5	
878189	0.37	0.081	0.130	0.26	3	5	68	< 0.01	< 20	1	< 2	< 10	56	< 10	5	6	
878190	0.27	0.057	0.130	2.19	5	2	50	< 0.01	< 20	3	< 2	< 10	29	< 10	7	11	
878191	0.89	0.085	0.118	2.85	< 2	4	167	< 0.01	< 20	< 1	< 2	< 10	37	< 10	11	20	
878192	1.35	0.068	0.155	1.41	3	11	165	< 0.01	< 20	< 1	< 2	< 10	81	< 10	19	6	
878193	1.28	0.074	0.143	2.04	4	8	64	< 0.01	< 20	< 1	< 2	< 10	80	< 10	11	12	
878194	0.42	0.054	0.168	3.99	16	6	94	< 0.01	< 20	3	< 2	< 10	29	< 10	8	20	
878195	0.38	0.038	0.182	3.55	4	3	74	< 0.01	< 20	4	< 2	< 10	21	< 10	10	13	
878196	0.48	0.134	0.196	3.43	15	5	115	< 0.01	< 20	3	< 2	< 10	44	< 10	11	6	
878197	0.19	0.138	0.206	3.61	53	3	78	< 0.01	< 20	4	< 2	< 10	34	< 10	11	5	
878198	0.91	0.143	0.186	0.55	3	7	78	0.02	< 20	< 1	< 2	< 10	106	< 10	12	3	
878199	1.69	0.158	0.206	1.44	3	7	145	0.01	< 20	< 1	< 2	< 10	101	< 10	15	4	
878200	1.13	0.156	0.201	1.96	4	8	118	0.02	< 20	< 1	< 2	< 10	101	< 10	9	4	
878151	0.60	0.128	0.116	4.30	4	3	63	< 0.01	< 20	< 1	< 2	< 10	16	< 10	7	28	
878152	0.35	0.107	0.208	4.19	3	5	86	< 0.01	< 20	< 1	< 2	< 10	32	< 10	11	8	
878153	0.28	0.088	0.111	3.82	4	3	53	< 0.01	< 20	2	< 2	< 10	18	< 10	5	25	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
878154	0.64	0.070	0.084	7.54	13	7	50	< 0.01	< 20	< 1	< 2	< 10	30	< 10	6	37	
878155	0.65	0.067	0.087	1.30	2	4	67	< 0.01	< 20	< 1	< 2	< 10	24	< 10	5	12	
878156	0.97	0.098	0.154	2.34	3	5	80	< 0.01	< 20	< 1	< 2	< 10	27	< 10	8	5	
878157	0.28	0.131	0.123	3.99	< 2	3	53	< 0.01	< 20	< 1	< 2	< 10	15	< 10	4	23	
878158	0.59	0.121	0.112	3.37	2	3	96	< 0.01	< 20	< 1	< 2	< 10	13	< 10	6	18	
878159	0.37	0.074	0.149	2.49	4	4	63	< 0.01	< 20	< 1	< 2	< 10	26	< 10	7	9	
878160	0.39	0.107	0.144	1.42	5	4	71	< 0.01	< 20	< 1	< 2	< 10	29	< 10	7	6	
878161	1.23	0.067	0.139	1.15	4	7	49	0.02	< 20	< 1	2	< 10	54	< 10	6	10	
878162	0.37	0.128	0.217	5.99	4	3	75	0.01	< 20	2	< 2	< 10	21	< 10	10	15	
878163	0.13	0.104	0.080	1.50	8	5	55	< 0.01	< 20	1	< 2	< 10	51	< 10	4	22	
878164	1.01	0.127	0.070	1.14	12	5	68	< 0.01	< 20	1	< 2	< 10	33	< 10	5	12	
878165	0.89	0.118	0.068	1.39	< 2	5	134	< 0.01	< 20	< 1	< 2	< 10	25	< 10	5	7	
878481	0.16	0.019	0.059	1.95	5	4	15	< 0.01	< 20	< 1	< 2	< 10	34	< 10	3	19	
878482	0.09	0.077	0.054	1.38	4	3	18	< 0.01	< 20	2	< 2	< 10	18	< 10	2	13	
878483	0.11	0.068	0.053	2.00	3	3	19	< 0.01	< 20	< 1	< 2	< 10	19	< 10	4	18	
878484	0.12	0.027	0.046	1.25	4	4	31	< 0.01	< 20	< 1	< 2	< 10	35	< 10	2	19	
878485	2.62	0.059	0.297	2.01	4	16	110	0.06	< 20	< 1	< 2	< 10	157	< 10	12	4	
878486	0.24	0.018	0.065	1.69	7	4	26	< 0.01	< 20	< 1	< 2	< 10	32	97	4	18	
878487	0.12	0.021	0.065	1.19	15	1	15	< 0.01	< 20	2	< 2	< 10	16	< 10	5	9	
878488	0.09	0.069	0.061	1.98	4	1	25	< 0.01	< 20	< 1	< 2	< 10	17	< 10	4	27	
878489	0.26	0.080	0.064	1.25	3	1	44	< 0.01	< 20	< 1	< 2	< 10	17	< 10	5	12	
878490	0.10	0.074	0.062	1.07	3	< 1	20	< 0.01	< 20	4	< 2	< 10	13	< 10	5	4	
878491	0.71	0.032	0.266	5.14	8	8	91	0.01	< 20	2	< 2	< 10	79	14	14	4	
878492	1.04	0.048	0.213	4.11	7	7	129	0.01	< 20	1	< 2	< 10	73	< 10	13	4	
878493	0.87	0.036	0.231	1.73	6	6	144	0.01	< 20	< 1	< 2	< 10	63	< 10	15	2	
878494	0.91	0.088	0.182	2.77	5	6	123	< 0.01	< 20	< 1	< 2	< 10	64	< 10	13	3	
878495	0.17	0.018	0.234	6.88	6	5	66	0.01	< 20	2	< 2	< 10	73	67	12	7	
878496	1.52	0.081	0.243	3.60	5	7	49	0.01	< 20	1	< 2	< 10	96	< 10	14	3	
878497	1.17	0.053	0.221	3.79	7	7	107	0.01	< 20	1	< 2	< 10	64	< 10	13	3	
878498	0.18	0.035	0.233	7.36	6	5	48	0.02	< 20	135	< 2	< 10	60	< 10	13	7	5.31
878499	0.18	0.062	0.128	3.92	5	4	41	< 0.01	< 20	8	2	< 10	33	< 10	11	6	
878500	0.39	0.017	0.218	4.37	8	7	76	0.01	< 20	4	< 2	< 10	66	< 10	11	4	
878460	0.77	0.090	0.136	2.09	4	3	90	< 0.01	< 20	3	< 2	< 10	47	< 10	12	3	
878461	0.39	0.142	0.156	1.70	3	5	56	< 0.01	< 20	4	< 2	< 10	64	19	11	2	
878462	1.10	0.098	0.192	1.93	< 2	8	87	< 0.01	< 20	< 1	< 2	< 10	42	< 10	11	2	
878463	0.99	0.113	0.243	0.02	6	11	83	< 0.01	< 20	< 1	< 2	< 10	110	< 10	16	2	
878464	0.71	0.103	0.098	2.05	< 2	3	53	< 0.01	< 20	4	< 2	< 10	20	< 10	5	3	
878465	1.73	0.123	0.198	2.47	< 2	9	72	< 0.01	< 20	2	< 2	< 10	136	< 10	13	3	
878466	1.71	0.089	0.226	0.77	< 2	12	83	< 0.01	< 20	< 1	< 2	< 10	118	< 10	14	2	
878467	1.90	0.061	0.077	1.56	2	12	104	0.21	< 20	1	< 2	< 10	96	< 10	9	13	
878468	0.45	0.060	0.126	3.49	17	10	32	0.02	< 20	7	< 2	< 10	101	< 10	6	18	
878469	2.32	0.140	0.197	2.58	2	6	29	0.01	< 20	< 1	< 2	< 10	124	< 10	12	4	
878470	1.11	0.078	0.136	3.45	< 2	8	23	< 0.01	< 20	< 1	< 2	< 10	97	< 10	12	8	
878471	1.19	0.093	0.127	3.39	< 2	10	44	< 0.01	< 20	2	< 2	< 10	90	< 10	8	5	
878472	1.50	0.077	0.128	0.50	< 2	10	29	0.02	< 20	< 1	< 2	< 10	144	< 10	7	2	
878473	1.70	0.077	0.136	2.32	< 2	10	32	0.01	< 20	1	< 2	< 10	141	< 10	10	7	
878474	1.06	0.025	0.092	4.21	< 2	7	18	0.01	< 20	3	< 2	< 10	100	< 10	5	16	
878475	1.88	0.032	0.135	3.13	< 2	10	12	0.03	< 20	< 1	< 2	< 10	147	< 10	9	12	
878476	1.42	0.039	0.133	2.47	< 2	12	13	0.03	< 20	< 1	< 2	< 10	159	< 10	9	11	
878477	1.78	0.045	0.105	3.74	3	12	11	0.02	< 20	< 1	< 2	< 10	154	< 10	10	16	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
878478	1.59	0.089	0.104	2.79	2	12	78	0.33	<20	4	<2	<10	163	<10	10	15	
878479	1.64	0.139	0.183	3.05	3	5	55	0.01	<20	<1	<2	<10	86	<10	12	4	
878480	1.51	0.134	0.167	2.55	<2	7	16	0.21	<20	4	<2	<10	119	<10	7	13	
878125	1.18	0.047	0.012	0.03	<2	<1	8	<0.01	<20	<1	<2	<10	7	<10	5	31	
878301	0.27	0.104	0.047	1.49	3	2	46	<0.01	<20	1	<2	<10	14	<10	3	7	
878302	1.39	0.108	0.215	5.64	<2	6	34	0.21	<20	8	<2	<10	101	23	12	19	
878303	1.35	0.067	0.094	1.10	2	7	26	0.31	<20	7	<2	<10	116	<10	11	14	
878304	0.43	0.125	0.105	0.18	<2	3	88	0.03	<20	<1	<2	<10	45	<10	15	2	
878305	2.31	0.175	0.137	0.70	<2	12	98	0.27	<20	2	<2	<10	187	<10	19	3	
878166	1.58	0.187	0.157	1.12	2	9	147	<0.01	<20	<1	<2	<10	107	<10	10	2	
878167	1.19	0.203	0.168	0.57	2	9	82	<0.01	<20	<1	<2	<10	109	<10	7	2	
878168	0.33	0.231	0.137	2.75	<2	6	42	<0.01	<20	2	<2	<10	23	<10	8	4	
878169	1.58	0.162	0.155	1.12	<2	10	111	0.02	<20	<1	<2	<10	124	<10	11	3	
878170	1.45	0.148	0.146	1.85	3	9	176	<0.01	<20	<1	<2	<10	76	<10	10	3	
878171	1.40	0.107	0.095	1.93	2	5	245	<0.01	<20	<1	<2	<10	42	<10	13	3	
878172	0.05	0.208	0.233	1.90	2	2	178	<0.01	<20	<1	<2	<10	17	<10	11	2	
878173	0.10	0.153	0.065	2.54	3	1	161	<0.01	<20	2	<2	<10	19	<10	5	5	
878174	0.48	0.084	0.185	3.01	4	4	94	<0.01	<20	1	<2	<10	30	<10	13	3	
878175	0.32	0.115	0.167	1.37	3	5	92	<0.01	<20	1	<2	<10	36	<10	14	3	
878176	1.14	0.099	0.176	3.58	2	5	330	<0.01	<20	1	<2	<10	44	<10	11	2	
878177	1.90	0.064	0.258	1.97	<2	8	528	<0.01	<20	<1	<2	<10	70	<10	13	2	
878178	1.34	0.094	0.247	1.40	6	8	130	0.02	<20	<1	<2	<10	110	<10	15	3	
878179	0.45	0.144	0.191	3.50	4	3	143	<0.01	<20	2	<2	<10	47	<10	12	3	
878180	0.78	0.137	0.193	2.53	<2	6	218	0.01	<20	<1	<2	<10	41	<10	12	2	
1022520	1.73	0.057	0.198	5.83	4	5	48	0.01	<20	14	<2	<10	78	<10	12	7	
1022521	1.50	0.109	0.126	4.29	<2	4	38	0.01	<20	7	<2	<10	68	<10	7	7	
1022522	1.43	0.110	0.207	5.10	3	6	53	0.02	<20	26	<2	<10	98	<10	10	6	
1022523	1.58	0.081	0.154	4.21	<2	6	59	0.03	<20	5	<2	<10	89	<10	10	8	
1022524	1.69	0.105	0.195	7.72	3	6	80	0.01	<20	7	<2	<10	91	<10	11	14	
1022525	0.17	0.035	0.206	4.31	6	5	63	0.01	<20	3	<2	<10	65	<10	12	3	
1022526	0.56	0.114	0.080	0.79	3	4	49	<0.01	<20	<1	<2	<10	32	<10	7	3	
1022527	0.14	0.150	0.113	3.62	3	3	61	<0.01	<20	2	<2	<10	20	<10	8	6	
1022528	0.48	0.103	0.133	0.83	3	4	67	<0.01	<20	2	<2	<10	42	<10	16	2	
1022529	0.62	0.151	0.077	1.37	14	5	79	<0.01	<20	1	<2	<10	37	<10	7	4	
1022530	0.28	0.120	0.175	4.14	2	5	112	<0.01	<20	2	<2	<10	30	<10	11	4	
1022531	0.20	0.115	0.146	3.15	6	3	91	<0.01	<20	1	<2	<10	25	<10	15	3	
1022532	0.29	0.085	0.135	7.01	10	2	63	<0.01	<20	3	<2	<10	31	<10	12	11	
1022533	0.63	0.118	0.138	3.43	18	2	165	<0.01	<20	<1	<2	<10	28	<10	15	4	
1022534	0.18	0.045	0.211	6.35	7	5	47	0.01	<20	64	<2	<10	64	<10	13	7	7.68
1022535	1.48	0.104	0.214	7.53	4	7	75	0.01	<20	10	<2	<10	112	<10	12	9	
1022536	1.72	0.085	0.203	7.91	3	6	46	0.01	<20	28	<2	<10	100	<10	10	13	6.10
1022537	0.56	0.110	0.155	5.26	3	4	46	0.01	<20	41	<2	<10	56	<10	9	5	
1022538	1.18	0.066	0.181	6.18	3	5	45	0.01	<20	66	<2	<10	62	<10	11	8	16.2
1022539	1.31	0.032	0.200	5.75	4	4	35	0.01	<20	36	<2	<10	64	<10	13	6	8.02
1022501	0.51	0.018	0.124	4.05	6	9	68	<0.01	<20	2	<2	<10	77	<10	8	6	
1022502	0.23	0.027	0.239	5.22	7	5	63	0.01	<20	5	<2	<10	59	<10	14	4	
1022503	0.21	0.018	0.247	5.18	12	4	104	<0.01	<20	3	<2	<10	45	>200	13	4	
1022504	1.05	0.054	0.079	4.20	7	9	182	<0.01	<20	6	<2	<10	48	<10	6	21	
1022505	0.46	0.044	0.240	5.65	11	7	80	0.02	<20	2	<2	<10	78	<10	14	5	
1022506	0.64	0.046	0.197	5.92	10	8	109	0.01	<20	3	<2	<10	64	<10	13	7	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
1022507	0.76	0.076	0.144	2.79	6	4	79	< 0.01	< 20	1	< 2	< 10	37	< 10	10	3	
1022508	1.64	0.115	0.224	4.86	3	8	68	< 0.01	< 20	1	< 2	< 10	101	< 10	13	7	
1022509	0.12	0.018	0.191	3.04	5	2	65	< 0.01	< 20	3	< 2	< 10	32	< 10	10	3	
1022510	0.59	0.047	0.232	7.61	29	8	103	0.02	< 20	7	< 2	< 10	72	< 10	14	9	
1022511	0.48	0.045	0.215	8.59	13	7	85	0.02	< 20	7	< 2	< 10	75	< 10	12	10	
1022512	0.22	0.044	0.217	6.66	11	5	56	0.01	< 20	7	< 2	< 10	61	< 10	13	6	
1022513	0.14	0.025	0.215	5.72	8	4	55	0.01	< 20	6	< 2	< 10	47	< 10	13	6	
1022514	0.18	0.023	0.247	5.70	7	5	51	0.01	< 20	6	< 2	< 10	60	< 10	14	4	
1022515	0.12	0.017	0.229	4.63	5	4	52	< 0.01	< 20	3	< 2	< 10	48	< 10	10	4	
1022516	0.09	0.016	0.213	5.57	4	3	64	< 0.01	< 20	1	< 2	< 10	44	< 10	10	5	
1022517	0.11	0.016	0.224	3.91	4	4	51	< 0.01	< 20	1	< 2	< 10	44	< 10	14	3	
1022518	1.23	0.124	0.176	4.10	3	7	71	0.01	< 20	6	< 2	< 10	66	< 10	12	5	
1022519	1.93	0.069	0.197	5.43	2	6	69	0.01	< 20	10	< 2	< 10	105	< 10	9	7	

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.4	< 0.5	74	1050	1	24	98	127	7.05	206	< 10	826	0.8	< 2	0.15	13	75	5.88	20	1	1.15	< 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
GXR-6 Meas		0.3	< 0.5	73	1050	1	25	98	127	7.02	222	< 10	771	0.8	< 2	0.13	12	76	5.79	20	1	1.10	< 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
GXR-6 Meas		0.4	< 0.5	74	1070	1	27	92	122	7.37	249	< 10	731	0.9	3	0.12	12	79	6.18	20	2	1.17	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2230	762	< 1	32	57	251	2.82	5		81	0.7	6	0.41	19	41	5.04	< 10		0.48	34
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2260	762	< 1	37	60	261	2.87	5		77	0.7	8	0.41	19	49	5.14	< 10		0.47	34
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		1.0	< 0.5	2150	767	< 1	34	56	241	2.87	8		76	0.8	8	0.40	20	43	5.14	< 10		0.50	33
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.8	< 0.5	4490	871	< 1	33	80	333	2.97	8		69	0.7	24	0.43	22	40	5.98	< 10		0.43	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 923 (AQUA REGIA) Meas		3.8	< 0.5	4340	862	< 1	32	79	332	2.87	6		65	0.6	22	0.41	21	39	5.89	< 10		0.40	32
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 923 (AQUA REGIA) Meas		2.8	< 0.5	4590	873	< 1	33	76	323	2.87	9		63	0.7	28	0.40	20	41	6.07	< 10		0.43	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 621 (Aqua Regia) Meas		68.9	291	3590	522	12	23	> 5000	> 10000	1.78	73			0.6	6	1.65	29	27	3.30	< 10	4	0.38	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 621 (Aqua Regia) Meas		66.6	285	3480	516	12	23	> 5000	> 10000	1.74	72			0.6	7	1.61	30	27	3.19	< 10	4	0.36	18
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 621 (Aqua Regia) Meas		68.0	291	3600	541	13	25	> 5000	> 10000	1.84	78			0.6	< 2	1.64	30	30	3.45	< 10	3	0.39	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 229b (Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 229b																							

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
(Fire Assay) Meas																							
OREAS 229b (Fire Assay) Cert																							
OREAS 45f (Aqua Regia) Meas				362	173	< 1	234	15	27	7.54			136	1.0	< 2	0.07	38	326	14.1	20	< 1	0.11	< 10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				357	169	< 1	234	12	27	7.38			134	1.0	< 2	0.07	38	329	14.1	20	< 1	0.10	< 10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3120																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3090																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3010																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3010																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3030																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3110																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3160																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 228b (Fire Assay) Meas	> 5000																						
OREAS 228b (Fire Assay) Cert	8570																						
OREAS 257b (Fire Assay) Meas																							
OREAS 257b (Fire Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	509																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	517																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	501																						
Oreas E1336 (Fire Assay) Cert	510																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay) Cert																							
Oreas E1336 (Fire Assay) Meas	490																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	500																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	500																						
Oreas E1336 (Fire Assay) Cert	510																						
878355 Orig		0.4	< 0.5	48	147	9	18	42	33	1.37	121	21	29	0.9	2	0.35	12	32	5.20	< 10	< 1	0.63	38
878355 Dup		0.4	< 0.5	48	144	9	19	43	32	1.38	120	22	39	1.0	< 2	0.35	12	32	5.18	< 10	< 1	0.65	38
878359 Orig	2060																						
878359 Dup	1800																						
878369 Orig	259																						
878369 Dup	240																						
878371 Orig		0.3	< 0.5	27	930	1	131	2	37	1.74	14	< 10	32	< 0.5	2	2.99	23	238	5.05	< 10	< 1	0.11	11
878371 Dup		0.3	< 0.5	27	936	2	134	3	37	1.73	12	< 10	30	< 0.5	2	3.00	22	242	5.12	< 10	< 1	0.11	11
878373 Orig	451																						
878373 Dup	479																						
878188 Orig		0.2	< 0.5	76	1330	12	14	14	82	1.61	32	12	21	0.5	< 2	0.92	22	10	6.10	< 10	2	0.36	51
878188 Dup		0.3	< 0.5	78	1350	13	14	14	82	1.65	33	12	23	0.5	< 2	0.92	22	11	6.23	< 10	< 1	0.38	52
878197 Orig	324																						
878197 Dup	330																						
878151 Orig		0.3	< 0.5	34	358	8	62	12	14	0.55	75	73	19	< 0.5	< 2	0.61	34	25	5.05	< 10	< 1	0.28	35
878151 Dup		0.3	< 0.5	33	356	8	61	12	14	0.52	75	68	21	< 0.5	< 2	0.60	32	23	4.97	< 10	< 1	0.27	35
878153 Orig	113	0.5	< 0.5	39	249	11	78	9	15	0.56	60	122	20	0.5	< 2	0.26	43	62	4.67	< 10	< 1	0.29	19
878153 Split PREP DUP	122	0.5	< 0.5	38	252	10	78	9	15	0.59	60	127	25	0.6	2	0.25	41	65	4.63	< 10	< 1	0.30	19
878156 Orig	115																						
878156 Dup	120																						
878160 Orig	144																						
878160 Dup	164																						
878164 Orig		0.7	< 0.5	61	448	1	27	7	23	0.77	15	15	75	< 0.5	4	1.36	14	36	2.70	< 10	< 1	0.47	20
878164 Dup		0.7	< 0.5	59	447	1	27	7	23	0.77	16	15	69	< 0.5	< 2	1.36	12	35	2.68	< 10	< 1	0.47	20
878492 Orig	182																						
878492 Dup	194																						
878496 Orig	45																						
878496 Dup	43																						
878461 Orig		2.0	< 0.5	150	554	4	11	11	48	1.55	14	15	13	0.5	< 2	1.06	15	11	4.07	< 10	< 1	0.82	46
878461 Dup		2.0	< 0.5	149	550	4	11	11	48	1.55	14	15	13	0.5	< 2	1.05	14	11	4.07	< 10	< 1	0.83	44
878465 Orig	1210																						
878465 Dup	1030																						
878469 Orig	37																						
878469 Dup	39																						
878475 Orig		0.4	< 0.5	505	884	< 1	40	9	116	2.40	4	< 10	< 10	< 0.5	< 2	0.31	32	5	7.39	10	< 1	0.43	< 10
878475 Dup		0.4	< 0.5	498	880	< 1	39	6	115	2.39	6	< 10	< 10	< 0.5	< 2	0.31	32	5	7.32	10	1	0.42	< 10
878477 Orig	998	1.2	< 0.5	34	1100	< 1	39	7	113	2.83	11	< 10	12	< 0.5	< 2	0.37	39	5	8.39	10	2	0.68	< 10
878477 Split PREP DUP	1090	1.1	< 0.5	36	1090	< 1	38	4	112	2.73	9	< 10	11	< 0.5	< 2	0.39	40	4	8.30	10	< 1	0.63	< 10

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
878166 Orig		< 0.2	< 0.5	138	883	3	20	4	61	1.38	11	< 10	43	< 0.5	< 2	1.67	18	31	4.14	< 10	< 1	0.20	36
878166 Dup		< 0.2	< 0.5	137	889	3	21	4	62	1.39	9	< 10	52	< 0.5	< 2	1.68	18	31	4.13	< 10	< 1	0.20	37
878168 Orig	38																						
878168 Dup	37																						
878178 Orig	69																						
878178 Dup	67																						
878180 Orig		0.3	< 0.5	166	652	2	18	10	35	0.89	38	77	< 10	0.6	< 2	2.03	23	13	4.05	< 10	< 1	0.44	44
878180 Dup		0.3	< 0.5	163	639	2	18	9	34	0.86	38	75	< 10	0.6	< 2	1.99	23	13	3.97	< 10	< 1	0.43	45
1022521 Orig	2660																						
1022521 Dup	2660																						
1022534 Orig																							
1022534 Dup																							
1022535 Orig		0.5	< 0.5	19	462	2	24	31	76	1.45	17	< 10	< 10	0.7	21	0.98	43	29	8.37	< 10	2	0.39	52
1022535 Dup		0.6	< 0.5	19	464	2	25	33	77	1.45	18	< 10	< 10	0.7	21	0.99	42	29	8.37	< 10	2	0.38	51
1022536 Orig																							
1022536 Dup																							
1022538 Orig																							
1022538 Dup																							
1022503 Orig	144																						
1022503 Dup	144																						
1022506 Orig	130	0.9	< 0.5	37	848	4	40	12	32	1.48	6	29	16	0.7	3	1.40	28	33	6.61	< 10	3	0.89	33
1022506 Split PREP DUP	128	0.8	< 0.5	38	850	4	40	12	32	1.52	5	31	17	0.7	2	1.42	28	35	6.64	< 10	3	0.92	34
1022509 Orig		0.4	< 0.5	31	92	3	20	9	12	1.35	6	24	36	< 0.5	3	0.41	22	20	3.35	< 10	< 1	0.90	42
1022509 Dup		0.5	< 0.5	32	94	4	20	10	12	1.35	6	24	27	< 0.5	3	0.43	23	20	3.50	< 10	< 1	0.90	41
1022512 Orig	856																						
1022512 Dup	883																						
1022516 Orig	76																						
1022516 Dup	75																						
Method Blank	5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	5																						
Method Blank																							
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 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
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
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
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
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	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
GXR-6 Meas	0.40	0.144	0.033	0.01	3	19	32	< 20	< 1	< 2	< 10	166	< 10	5	6		
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		
GXR-6 Meas	0.38	0.125	0.034	0.01	3	18	28	< 20	< 1	< 2	< 10	167	< 10	4	8		
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		
GXR-6 Meas	0.41	0.137	0.034	0.01	5	19	27	< 20	< 1	< 2	< 10	169	< 10	4	10		
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0	5.30	0.0180	2.20	1.54	186	1.90	14.0	110		
OREAS 922 (AQUA REGIA) Meas	1.27	0.031	0.061	0.35	< 2	4	16	< 20		< 2	< 10	35	< 10	20	20		
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0	14.5		0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 922 (AQUA REGIA) Meas	1.30	0.030	0.061	0.37	< 2	4	16	< 20		< 2	< 10	35	< 10	20	17		
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0	14.5		0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 922 (AQUA REGIA) Meas	1.30	0.030	0.060	0.36	2	4	15	< 20		< 2	< 10	35	< 10	18	29		
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0	14.5		0.14	1.98	29.4	1.12	16.0	22.3		
OREAS 923 (AQUA REGIA) Meas	1.40		0.059	0.66	2	4	15	< 20		< 2	< 10	36	< 10	19	20		
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 923 (AQUA REGIA) Meas	1.38		0.058	0.67	< 2	4	14	< 20		< 2	< 10	34	< 10	18	27		
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 923 (AQUA REGIA) Meas	1.41		0.058	0.68	< 2	4	14	< 20		< 2	< 10	35	< 10	17	33		
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 621 (Aqua Regia) Meas	0.42	0.184	0.033	4.44	115	2	20	< 20		< 2	< 10	13	< 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 621 (Aqua Regia) Meas	0.40	0.176	0.032	4.50	116	2	19	< 20		< 2	< 10	12	< 10	7	61		
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 621 (Aqua Regia) Meas	0.43	0.189	0.033	4.83	116	2	20	< 20		< 2	< 10	13	< 10	7	64		
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 229b (Fire Assay) Meas																	11.9
OREAS 229b (Fire Assay) Cert																	11.9

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
Oreas E1336 (Fire Assay) Cert																	
Oreas E1336 (Fire Assay) Meas																	
878355 Orig	0.62	0.068	0.207	2.16	5	5	76	0.01	< 20	1	< 2	< 10	79	< 10	7	5	
878355 Dup	0.62	0.067	0.206	2.13	6	5	77	0.01	< 20	4	< 2	< 10	80	< 10	7	6	
878359 Orig																	
878359 Dup																	
878369 Orig																	
878369 Dup																	
878371 Orig	2.46	0.056	0.101	3.35	3	8	48	0.12	< 20	2	< 2	< 10	92	< 10	5	32	
878371 Dup	2.48	0.056	0.101	3.46	< 2	9	48	0.12	< 20	< 1	< 2	< 10	93	< 10	5	34	
878373 Orig																	
878373 Dup																	
878188 Orig	1.03	0.054	0.240	1.96	4	7	121	0.01	< 20	< 1	< 2	< 10	88	< 10	12	5	
878188 Dup	1.05	0.055	0.244	2.01	5	7	122	0.01	< 20	1	< 2	< 10	88	< 10	13	5	
878197 Orig																	
878197 Dup																	
878151 Orig	0.61	0.129	0.117	4.32	4	3	63	< 0.01	< 20	< 1	< 2	< 10	17	< 10	7	23	
878151 Dup	0.60	0.127	0.116	4.27	4	3	63	< 0.01	< 20	< 1	< 2	< 10	16	< 10	7	34	
878153 Orig	0.28	0.088	0.111	3.82	4	3	53	< 0.01	< 20	2	< 2	< 10	18	< 10	5	25	
878153 Split PREP DUP	0.28	0.094	0.108	3.68	4	3	52	< 0.01	< 20	< 1	< 2	< 10	18	< 10	5	27	
878156 Orig																	
878156 Dup																	
878160 Orig																	
878160 Dup																	
878164 Orig	1.01	0.128	0.071	1.16	11	5	68	< 0.01	< 20	1	< 2	< 10	33	< 10	5	13	
878164 Dup	1.00	0.127	0.070	1.12	12	5	67	< 0.01	< 20	1	< 2	< 10	33	< 10	5	11	
878492 Orig																	
878492 Dup																	
878496 Orig																	
878496 Dup																	
878461 Orig	0.39	0.142	0.157	1.70	4	5	57	0.01	< 20	3	< 2	< 10	64	19	12	2	
878461 Dup	0.39	0.142	0.156	1.69	3	5	56	< 0.01	< 20	4	< 2	< 10	64	19	11	2	
878465 Orig																	
878465 Dup																	
878469 Orig																	
878469 Dup																	
878475 Orig	1.89	0.032	0.136	3.13	< 2	10	12	0.03	< 20	2	< 2	< 10	148	< 10	9	12	
878475 Dup	1.87	0.032	0.135	3.13	< 2	10	12	0.03	< 20	< 1	< 2	< 10	146	< 10	9	12	
878477 Orig	1.78	0.045	0.105	3.74	3	12	11	0.02	< 20	< 1	< 2	< 10	154	< 10	10	16	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
878477 Split PREP DUP	1.75	0.042	0.103	3.83	< 2	11	10	0.02	< 20	1	< 2	< 10	148	< 10	10	16	
878166 Orig	1.58	0.187	0.156	1.11	2	9	147	< 0.01	< 20	< 1	< 2	< 10	107	< 10	10	2	
878166 Dup	1.58	0.187	0.158	1.13	2	9	147	0.01	< 20	< 1	< 2	< 10	107	< 10	10	2	
878168 Orig																	
878168 Dup																	
878178 Orig																	
878178 Dup																	
878180 Orig	0.79	0.139	0.194	2.56	2	6	218	0.01	< 20	< 1	< 2	< 10	41	< 10	12	2	
878180 Dup	0.77	0.136	0.191	2.50	< 2	6	219	0.01	< 20	2	< 2	< 10	40	< 10	12	3	
1022521 Orig																	
1022521 Dup																	
1022534 Orig																	7.80
1022534 Dup																	7.56
1022535 Orig	1.48	0.105	0.213	7.51	4	7	76	0.01	< 20	10	< 2	< 10	112	< 10	12	9	
1022535 Dup	1.48	0.104	0.215	7.55	5	7	75	0.01	< 20	10	< 2	< 10	112	< 10	12	9	
1022536 Orig																	6.14
1022536 Dup																	6.06
1022538 Orig																	16.2
1022538 Dup																	16.2
1022503 Orig																	
1022503 Dup																	
1022506 Orig	0.64	0.046	0.197	5.92	10	8	109	0.01	< 20	3	< 2	< 10	64	< 10	13	7	
1022506 Split PREP DUP	0.64	0.047	0.198	6.04	10	8	111	0.01	< 20	2	< 2	< 10	65	< 10	13	7	
1022509 Orig	0.12	0.019	0.188	3.00	5	2	65	< 0.01	< 20	3	< 2	< 10	32	< 10	9	4	
1022509 Dup	0.12	0.018	0.194	3.08	4	2	66	< 0.01	< 20	3	< 2	< 10	32	< 10	10	3	
1022512 Orig																	
1022512 Dup																	
1022516 Orig																	
1022516 Dup																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	
Method Blank																	< 0.03
Method Blank																	
Method Blank																	< 0.03
Method Blank																	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr	Au
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g/tonne
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1	0.03
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	FA- GRA
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1	
Method Blank																	< 0.03



White Metal Resources
 684 Squier Street
 Thunder Bay ON P7B 4A8
 Canada

Report No.: A20-13364
 Report Date: 24-Nov-20
 Date Submitted: 26-Oct-20
 Your Reference: Tower Stock Gold Property

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

16 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-11-09 11:24:37
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-11-21 11:57:35

REPORT **A20-13364**

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 Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
 TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A20-13364

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
878388	13	< 0.2	< 0.5	71	1780	6	9	25	99	2.04	16	20	66	1.4	< 2	1.98	19	13	5.02	< 10	1	0.96	76
878389	77	0.2	< 0.5	50	1740	4	12	26	103	1.97	12	23	19	1.4	< 2	1.71	18	11	5.27	< 10	1	1.20	71
878390	108	0.3	< 0.5	31	1400	16	7	34	53	0.95	21	< 10	10	0.6	< 2	1.79	16	9	4.86	< 10	< 1	0.36	57
878391	8	< 0.2	< 0.5	75	1390	2	10	11	78	1.80	6	19	229	1.5	< 2	1.32	16	12	4.55	< 10	< 1	0.98	84
878392	7	< 0.2	< 0.5	76	1540	< 1	13	15	83	1.11	8	12	98	1.0	< 2	2.33	15	12	4.65	< 10	< 1	0.45	92
878393	598	0.8	< 0.5	110	1090	8	9	18	75	2.00	27	20	17	1.2	< 2	0.82	16	7	4.05	< 10	< 1	1.04	77
878394	1700	1.9	< 0.5	127	1780	11	9	23	121	2.09	63	16	19	1.0	< 2	1.71	16	10	5.00	< 10	2	1.11	81
878395	912	2.6	< 0.5	66	1050	6	7	41	71	1.26	31	13	10	0.8	< 2	0.81	10	7	5.03	< 10	3	0.80	42
878396	1740	9.6	< 0.5	63	1450	7	32	37	73	1.32	55	13	< 10	0.9	< 2	1.60	19	44	7.69	< 10	1	0.84	25
878397	97	< 0.2	< 0.5	352	972	48	21	15	109	1.73	5	< 10	45	0.7	< 2	1.20	31	33	3.82	10	< 1	0.39	138
878398	2160	0.6	< 0.5	66	1190	2	22	14	118	2.13	16	15	17	1.2	< 2	0.84	19	32	5.72	< 10	2	1.17	80
878399	1160	1.4	< 0.5	51	972	4	10	17	68	1.65	36	16	12	0.9	< 2	1.21	16	12	4.66	< 10	< 1	0.98	74
878400	882	0.3	< 0.5	56	1030	2	17	16	67	1.48	12	11	14	0.7	< 2	1.49	16	42	5.07	< 10	2	0.71	41
1022651	64	< 0.2	< 0.5	53	1390	< 1	28	13	128	2.30	3	15	293	1.0	< 2	2.29	21	48	5.08	< 10	2	1.04	78
1022652	250	< 0.2	< 0.5	91	765	< 1	35	10	98	2.23	6	15	84	0.9	< 2	1.11	26	73	5.40	< 10	2	0.94	76
1022653	19	< 0.2	< 0.5	52	1100	2	11	14	97	1.93	7	< 10	49	1.1	< 2	1.87	17	13	4.84	10	< 1	0.53	83

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
878388	1.51	0.117	0.189	0.81	4	8	348	0.04	< 20	< 1	< 2	< 10	115	< 10	21	3
878389	1.35	0.088	0.201	2.23	4	9	236	0.04	< 20	< 1	< 2	< 10	108	< 10	21	6
878390	0.86	0.128	0.134	2.88	< 2	5	331	< 0.01	< 20	1	< 2	< 10	41	< 10	16	7
878391	0.98	0.098	0.201	0.03	3	8	148	0.03	< 20	< 1	< 2	< 10	117	< 10	23	3
878392	1.33	0.108	0.195	0.38	< 2	8	217	0.03	< 20	< 1	< 2	< 10	107	< 10	25	2
878393	0.95	0.101	0.121	2.21	3	6	84	0.04	< 20	3	< 2	< 10	80	< 10	24	11
878394	1.33	0.082	0.132	2.13	< 2	5	117	0.08	< 20	4	< 2	< 10	96	< 10	25	9
878395	0.56	0.083	0.123	2.41	4	3	115	0.04	< 20	4	< 2	< 10	66	< 10	14	10
878396	0.90	0.067	0.226	5.31	3	5	135	0.04	< 20	11	< 2	< 10	97	< 10	16	10
878397	1.54	0.134	0.158	0.67	< 2	10	122	0.01	< 20	< 1	< 2	< 10	106	< 10	18	3
878398	1.51	0.115	0.157	2.39	3	10	101	0.09	< 20	< 1	< 2	< 10	118	< 10	19	17
878399	1.00	0.111	0.159	2.80	< 2	7	136	0.07	< 20	3	< 2	< 10	101	< 10	24	10
878400	1.04	0.109	0.186	2.14	< 2	6	151	0.07	< 20	< 1	< 2	< 10	114	< 10	21	8
1022651	2.26	0.153	0.137	0.07	2	11	192	0.11	< 20	2	< 2	< 10	120	< 10	20	7
1022652	1.60	0.112	0.197	0.65	< 2	9	103	0.09	< 20	< 1	< 2	< 10	119	< 10	16	6
1022653	1.70	0.115	0.197	0.69	< 2	9	156	0.05	< 20	< 1	< 2	< 10	138	< 10	24	4

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	71	1020	1	23	95	120	7.63	219	< 10	877	0.9	< 2	0.14	13	79	5.75	20	2	1.15	< 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
GXR-6 Meas		0.3	< 0.5	70	1010	< 1	23	93	121	7.70	219	< 10	880	0.8	3	0.14	13	79	5.73	20	2	1.14	< 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 98 (Aqua Regia) Meas		38.7		> 10000				259	1150						52		101						
OREAS 98 (Aqua Regia) Cert		42.8		14700 0.0				343	1302						92.8		111						
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2270	753	< 1	34	59	255	3.16	5		82	0.8	7	0.39	20	47	5.26	< 10		0.48	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2240	754	< 1	34	58	256	3.20	7		84	0.8	6	0.40	20	46	5.26	< 10		0.49	40
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.5	< 0.5	4420	853	< 1	32	80	334	3.18	6		64	0.7	23	0.39	22	42	6.08	< 10		0.41	36
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 923 (AQUA REGIA) Meas		1.5	< 0.5	4350	842	< 1	31	79	327	3.15	6		64	0.7	23	0.39	22	42	5.95	< 10		0.41	36
OREAS 923 (AQUA REGIA) Cert		1.62	0.40	4248	850	0.84	32.7	81	335	2.80	7.07		54	0.61	21.8	0.326	22.2	39.4	5.91	8.01		0.322	30.0
Oreas 96 (Aqua Regia) Meas		11.0		> 10000				87	411						74		47						
Oreas 96 (Aqua Regia) Cert		11.50		39100. 00				100	448						27.9		49.2						
Oreas 621 (Aqua Regia) Meas		71.0	301	3590	530	13	25	> 5000	> 10000	1.94	81			0.6	8	1.61	30	33	3.41	10	4	0.39	20
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 621 (Aqua Regia) Meas		69.1	304	3600	527	12	24	> 5000	> 10000	1.94	82			0.6	9	1.61	32	31	3.38	10	5	0.38	20
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 45f (Aqua Regia) Meas				360	168	< 1	231	10	26	8.04			148	1.0	4	0.06	40	350	14.6	20	< 1	0.11	11
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3080																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	518																						
Oreas E1336 (Fire Assay) Cert	510																						
878397 Orig	99																						
878397 Dup	95																						
878398 Orig		0.6	< 0.5	66	1190	2	22	14	118	2.15	17	15	16	1.2	< 2	0.84	19	32	5.77	< 10	2	1.18	80

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
878398 Dup		0.7	< 0.5	65	1190	2	22	15	117	2.10	14	15	18	1.2	< 2	0.83	19	32	5.68	< 10	2	1.15	81
Method Blank	< 5																						
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank		< 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-6 Meas	0.40	0.145	0.033	0.01	2	19	33		< 20	< 1	< 2	< 10	170	< 10	5	6
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
GXR-6 Meas	0.40	0.146	0.034	0.01	2	19	32		< 20	< 1	< 2	< 10	169	< 10	5	7
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 98 (Aqua Regia) Meas					18											
OREAS 98 (Aqua Regia) Cert					14.7											
OREAS 922 (AQUA REGIA) Meas	1.38	0.032	0.063	0.38	< 2	4	17		< 20		< 2	< 10	37	< 10	21	14
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.37	0.033	0.063	0.37	2	4	17		< 20		< 2	< 10	37	< 10	21	14
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.46		0.061	0.67	3	4	15		< 20		< 2	< 10	36	< 10	19	25
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 923 (AQUA REGIA) Meas	1.44		0.060	0.66	3	4	15		< 20		< 2	< 10	36	< 10	19	24
OREAS 923 (AQUA REGIA) Cert	1.43		0.061	0.684	0.58	3.09	13.6		14.3		0.12	1.80	30.6	1.96	14.3	22.5
Oreas 96 (Aqua Regia) Meas				3.97	5											
Oreas 96 (Aqua Regia) Cert				4.38	4.53											
Oreas 621 (Aqua Regia) Meas	0.44	0.185	0.034	4.71	102	3	19		< 20		< 2	< 10	13	< 10	8	60
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 621 (Aqua Regia) Meas	0.44	0.185	0.033	4.58	101	3	18		< 20		< 2	< 10	13	< 10	8	56
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 45f (Aqua Regia) Meas	0.18	0.050	0.021	0.02		26	14	0.12	< 20		< 2	< 10	208		5	14
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
878397 Orig																
878397 Dup																
878398 Orig	1.52	0.116	0.158	2.40	3	10	100	0.09	< 20	< 1	< 2	< 10	119	< 10	19	14

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
878398 Dup	1.50	0.115	0.157	2.37	3	10	102	0.09	< 20	< 1	< 2	< 10	117	< 10	19	19
Method Blank																
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.008	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1



White Metal Resources
 684 Squier Street
 Thunder Bay ON P7B 4A8
 Canada

Report No.: A20-14403
 Report Date: 24-Nov-20
 Date Submitted: 11-Nov-20
 Your Reference: Tower Stock Gold Property

ATTN: Mick Stares

CERTIFICATE OF ANALYSIS

107 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-Tbay	QOP AA-Au (Au - Fire Assay AA)	2020-11-22 15:45:49
1E3-Tbay	QOP AquaGeo (Aqua Regia ICPOES)	2020-11-21 11:57:35

REPORT **A20-14403**

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 Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
 TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A20-14403

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1022654	12	< 0.2	< 0.5	47	988	3	19	11	83	1.99	18	13	85	1.3	< 2	1.20	25	14	4.71	< 10	< 1	0.76	85
1022655	169	0.5	< 0.5	14	417	2	54	9	47	1.60	7	10	13	0.5	11	1.06	23	66	5.85	< 10	< 1	0.49	26
1022656	468	1.1	< 0.5	16	568	13	23	9	63	1.84	4	16	16	0.6	7	1.79	29	8	8.05	< 10	4	0.80	34
1022657	53	0.2	< 0.5	244	1080	< 1	81	< 2	44	1.94	12	25	77	0.7	< 2	2.33	38	85	3.35	< 10	< 1	0.98	14
1022658	54	< 0.2	< 0.5	14	741	< 1	105	6	55	2.56	20	< 10	55	< 0.5	< 2	1.82	28	200	4.82	< 10	< 1	0.06	20
1022659	39	< 0.2	0.6	18	655	< 1	108	7	73	2.61	90	11	26	< 0.5	< 2	1.56	24	129	3.81	< 10	2	0.47	< 10
1022660	66	< 0.2	< 0.5	9	289	7	27	17	9	0.67	30	14	25	< 0.5	2	0.70	16	21	2.53	< 10	< 1	0.39	23
1022661	37	< 0.2	< 0.5	76	1120	5	13	4	69	2.53	10	18	173	1.3	< 2	1.41	24	8	5.42	10	< 1	0.88	73
1022662	34	< 0.2	< 0.5	10	1140	2	170	5	17	1.60	45	14	48	0.8	6	3.65	34	223	3.86	< 10	< 1	0.99	13
1022663	483	< 0.2	< 0.5	7	1360	3	76	3	33	2.01	54	< 10	34	< 0.5	6	0.98	18	135	5.27	< 10	2	0.25	20
1022664	210	< 0.2	< 0.5	17	952	2	93	2	32	2.53	29	< 10	65	0.5	6	0.59	21	181	4.11	< 10	< 1	0.35	18
1022665	256	0.3	< 0.5	41	436	3	72	5	29	2.21	68	< 10	70	< 0.5	5	0.19	21	158	4.92	< 10	2	0.34	18
1022666	11	< 0.2	< 0.5	76	717	4	100	< 2	30	2.10	4	< 10	110	< 0.5	< 2	1.72	26	155	3.28	< 10	< 1	0.24	17
1022667	64	< 0.2	< 0.5	118	1430	< 1	22	11	79	1.79	33	21	36	1.0	< 2	1.36	34	24	5.45	< 10	2	0.64	58
1022668	32	< 0.2	< 0.5	91	1240	< 1	9	13	93	1.11	11	10	24	1.0	< 2	1.88	22	3	4.94	< 10	< 1	0.42	127
1022669	16	< 0.2	< 0.5	127	1150	< 1	8	5	147	2.22	10	< 10	61	0.6	< 2	3.91	14	7	4.50	< 10	1	0.34	94
1022670	250	1.1	< 0.5	73	971	3	100	8	105	1.02	29	< 10	21	< 0.5	< 2	1.57	25	45	3.96	< 10	2	0.45	12
1022701	75	0.2	< 0.5	27	301	12	23	27	19	0.69	48	73	< 10	< 0.5	< 2	0.60	18	15	4.65	< 10	< 1	0.35	54
1022702	1150	2.0	< 0.5	54	1050	< 1	11	14	42	0.94	56	< 10	17	< 0.5	< 2	2.63	18	7	4.13	< 10	< 1	0.47	41
1022703	628	1.2	< 0.5	285	830	17	35	17	69	1.41	28	< 10	65	< 0.5	< 2	1.11	15	92	3.52	< 10	< 1	0.44	21
1022704	141	0.2	< 0.5	12	726	5	77	5	87	1.43	14	10	53	0.5	< 2	1.69	24	119	3.55	< 10	< 1	0.38	21
1022705	< 5	< 0.2	< 0.5	18	882	< 1	90	4	50	2.11	3	< 10	139	< 0.5	< 2	4.07	20	103	4.14	< 10	< 1	0.31	14
1022706	9	< 0.2	< 0.5	25	766	< 1	7	5	42	1.24	16	< 10	53	< 0.5	< 2	3.92	13	2	3.49	< 10	< 1	0.25	26
1022707	203	0.3	< 0.5	62	1330	< 1	19	10	99	0.84	15	< 10	70	0.6	< 2	2.85	16	12	4.00	< 10	< 1	0.34	62
1022708	27	< 0.2	< 0.5	23	1370	10	68	21	95	1.05	24	10	60	< 0.5	< 2	4.16	30	5	5.78	< 10	2	0.34	24
1022709	45	1.1	1.2	118	1850	< 1	134	3	313	1.62	7	< 10	48	< 0.5	< 2	5.02	24	108	4.50	< 10	< 1	0.35	15
1022710	86	1.5	0.7	223	777	1	50	9	85	0.81	61	< 10	39	< 0.5	< 2	2.36	25	25	3.68	< 10	< 1	0.27	< 10
1022711	1760	4.6	1.1	319	1070	6	17	37	261	0.66	45	< 10	15	< 0.5	2	2.18	21	8	5.80	< 10	3	0.35	28
1022712	42	0.9	< 0.5	14	287	3	38	20	10	0.91	14	18	34	0.6	< 2	0.48	19	12	2.96	< 10	< 1	0.47	37
1022713	54	0.4	< 0.5	63	656	2	28	26	98	1.74	60	11	23	0.9	< 2	0.89	30	19	5.51	< 10	1	0.63	59
1022714	49	< 0.2	0.6	12	1770	< 1	80	18	121	1.59	47	< 10	43	< 0.5	< 2	0.75	18	135	3.49	< 10	< 1	0.22	18
1022715	37	< 0.2	< 0.5	96	1060	< 1	21	6	127	2.31	44	12	79	0.8	< 2	1.20	22	27	5.97	10	2	0.52	53
1022716	3490	5.9	< 0.5	856	520	20	13	16	32	0.59	25	25	39	< 0.5	< 2	0.41	18	8	3.81	< 10	< 1	0.32	63
1022717	66	< 0.2	< 0.5	25	1210	2	100	5	43	1.70	22	14	68	0.6	< 2	1.42	26	126	3.76	< 10	1	0.60	33
1022718	14	< 0.2	< 0.5	13	616	1	87	24	31	1.03	41	13	24	< 0.5	< 2	0.19	19	74	3.08	< 10	2	0.45	12
1022719	14	< 0.2	< 0.5	62	1390	23	192	4	32	1.73	11	24	43	0.7	< 2	1.19	43	159	3.94	< 10	< 1	0.99	14
1022720	530	< 0.2	< 0.5	42	351	12	14	12	12	0.49	20	54	17	< 0.5	< 2	0.88	20	13	4.23	< 10	< 1	0.30	54
1022721	80	< 0.2	< 0.5	61	1410	25	22	4	57	2.15	6	10	82	0.7	< 2	1.63	22	15	4.45	< 10	< 1	0.57	50
1022722	30	< 0.2	< 0.5	130	46	6	24	8	10	0.88	140	13	14	< 0.5	< 2	0.40	24	16	4.56	< 10	< 1	0.54	48
1022723	1320	1.3	< 0.5	98	1550	3	34	22	85	1.21	76	< 10	23	0.5	< 2	3.11	20	23	5.48	< 10	1	0.36	57
878083	70	< 0.2	< 0.5	56	1000	18	66	9	58	2.11	17	33	27	< 0.5	< 2	0.60	30	52	4.88	< 10	2	0.95	34
878084	12	< 0.2	< 0.5	29	1080	2	153	< 2	91	3.71	3	< 10	61	< 0.5	< 2	1.75	31	148	5.80	10	3	0.34	35
878085	46	< 0.2	< 0.5	81	1090	< 1	16	4	40	1.85	15	31	97	0.7	< 2	2.39	20	11	4.50	< 10	< 1	0.92	38
878086	< 5	< 0.2	< 0.5	28	1100	< 1	220	6	105	2.96	6	12	40	0.5	< 2	2.12	28	207	3.97	< 10	< 1	0.79	13
878087	15	< 0.2	< 0.5	215	977	< 1	199	2	72	2.29	13	25	50	0.8	< 2	2.04	38	198	3.17	< 10	2	1.13	17
878088	49	< 0.2	< 0.5	27	490	2	57	4	31	1.28	19	19	96	< 0.5	2	0.28	32	68	2.51	< 10	4	0.74	28
878089	282	0.3	< 0.5	64	560	6	52	13	99	2.49	8	48	21	0.6	< 2	0.84	52	26	6.46	< 10	9	1.31	32
878090	29	0.4	< 0.5	109	1250	3	44	3	92	2.43	33	59	84	0.7	< 2	1.23	37	21	6.47	< 10	4	1.39	45
878091	180	1.4	< 0.5	127	179	9	67	9	78	0.44	16	< 10	< 10	< 0.5	2	0.11	22	88	4.83	< 10	15	0.26	12
878092	23	< 0.2	< 0.5	16	867	2	93	7	46	1.79	13	38	58	< 0.5	< 2	0.90	23	86	3.75	< 10	3	1.16	14
878093	70	< 0.2	< 0.5	12	533	< 1	92	4	77	2.05	9	34	59	0.6	< 2	0.82	23	126	3.07	< 10	1	0.88	13

Results

Activation Laboratories Ltd.

Report: A20-14403

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
878094	93	< 0.2	< 0.5	19	1080	1	40	4	23	0.96	9	18	92	< 0.5	< 2	0.64	19	63	2.35	< 10	2	0.62	14
878095	111	2.4	< 0.5	122	96	8	14	29	21	1.02	14	24	28	< 0.5	3	0.26	25	7	3.93	< 10	2	0.70	43
878378	102	0.5	< 0.5	19	129	25	18	39	9	0.41	11	< 10	19	< 0.5	< 2	0.24	12	16	5.38	< 10	3	0.26	60
878379	225	1.6	< 0.5	33	503	3	21	32	54	1.25	14	< 10	< 10	0.7	17	0.87	23	20	9.11	< 10	2	0.21	45
878380	146	0.5	< 0.5	22	441	1	49	42	57	1.74	7	< 10	16	< 0.5	4	0.96	20	71	6.33	< 10	2	0.33	17
13201	23	< 0.2	< 0.5	140	752	< 1	22	13	94	2.02	18	16	36	1.1	< 2	0.65	26	20	4.43	< 10	< 1	0.72	73
13202	15	< 0.2	< 0.5	34	1740	1	11	9	59	0.96	8	< 10	115	0.5	< 2	1.91	16	13	5.01	< 10	< 1	0.39	59
13203	8	< 0.2	< 0.5	116	841	1	9	5	62	1.35	8	17	107	0.8	< 2	2.02	13	9	3.34	< 10	< 1	0.61	66
13204	13	< 0.2	< 0.5	60	963	< 1	15	7	54	1.32	6	14	129	0.7	< 2	1.74	20	9	3.61	< 10	< 1	0.58	77
13205	38	< 0.2	< 0.5	139	650	4	20	21	124	1.80	4	16	119	0.8	< 2	0.93	29	37	5.49	< 10	2	0.84	101
1022612	390	0.3	< 0.5	150	680	3	26	8	68	2.08	9	13	88	0.7	< 2	2.08	20	30	4.82	< 10	< 1	0.51	47
1022613	764	0.4	< 0.5	157	781	5	29	8	67	2.16	9	15	87	0.7	< 2	2.70	19	31	5.11	< 10	< 1	0.55	53
1022614	18	< 0.2	< 0.5	109	909	2	39	7	85	2.26	3	< 10	94	0.6	< 2	3.41	23	58	5.48	10	2	0.29	51
1022615	25	< 0.2	< 0.5	100	1030	< 1	44	8	84	2.60	5	14	125	0.8	< 2	3.70	21	72	5.41	10	1	0.56	56
1022616	55	< 0.2	< 0.5	100	716	2	32	5	71	2.22	7	15	112	0.7	< 2	2.42	20	53	4.53	< 10	< 1	0.60	54
1022617	6	< 0.2	< 0.5	115	1050	1	55	4	94	2.49	< 2	11	73	0.6	< 2	3.78	24	105	5.58	10	1	0.43	55
1022618	25	< 0.2	< 0.5	94	887	2	32	3	82	2.18	5	14	119	0.6	< 2	3.35	19	39	4.77	< 10	1	0.54	56
1022619	26	0.2	< 0.5	77	955	3	117	< 2	77	2.50	4	< 10	301	0.8	< 2	2.57	53	156	14.7	10	3	0.36	23
1022620	7	< 0.2	0.5	99	1320	< 1	78	5	169	0.78	86	< 10	79	< 0.5	< 2	3.55	37	75	4.68	< 10	< 1	0.15	< 10
1022621	< 5	< 0.2	< 0.5	84	1290	< 1	80	5	160	0.82	87	< 10	61	< 0.5	< 2	3.36	35	80	4.70	< 10	< 1	0.11	< 10
1022622	9	< 0.2	< 0.5	88	1250	< 1	79	4	147	0.84	89	< 10	81	< 0.5	< 2	3.20	37	80	4.38	< 10	< 1	0.14	< 10
1022623	< 5	< 0.2	< 0.5	66	1110	< 1	412	2	51	0.50	329	< 10	46	< 0.5	< 2	3.77	47	151	6.41	< 10	2	0.26	< 10
1022624	< 5	< 0.2	< 0.5	59	1100	< 1	394	5	50	0.41	339	< 10	37	< 0.5	< 2	4.09	43	138	6.28	< 10	3	0.21	< 10
1022625	37	0.3	< 0.5	37	1450	2	39	12	96	1.31	56	21	42	0.6	< 2	1.74	30	36	5.77	< 10	2	0.26	54
1022626	32	0.2	< 0.5	144	1340	2	25	8	109	1.65	55	12	70	0.7	< 2	2.34	26	28	5.58	< 10	< 1	0.48	50
1022627	23	0.2	< 0.5	63	1340	4	19	23	72	1.05	19	12	25	0.7	< 2	2.58	24	24	5.43	< 10	1	0.46	50
1022628	4600	1.2	< 0.5	1480	781	1	21	14	58	1.33	5	< 10	< 10	0.5	40	1.43	20	23	7.51	< 10	3	0.23	35
1022629	187	< 0.2	< 0.5	20	112	4	94	6	5	0.51	31	13	18	< 0.5	< 2	0.44	25	110	4.14	< 10	< 1	0.26	< 10
1022630	362	< 0.2	< 0.5	47	238	4	50	7	12	1.02	39	15	19	0.5	4	1.11	29	17	5.08	< 10	< 1	0.54	18
1022631	2190	0.4	< 0.5	24	632	11	41	12	28	0.56	44	15	22	< 0.5	3	1.81	14	16	2.95	< 10	< 1	0.30	15
1022632	99	< 0.2	< 0.5	8	135	9	31	6	11	0.81	28	17	31	0.6	4	0.68	17	20	2.05	< 10	< 1	0.44	18
1022633	340	< 0.2	< 0.5	8	261	12	15	10	23	0.49	48	12	54	< 0.5	< 2	1.08	8	10	1.82	< 10	< 1	0.27	18
1022634	93	< 0.2	< 0.5	5	215	2	11	13	18	0.70	39	24	50	< 0.5	< 2	0.74	5	9	1.61	< 10	< 1	0.37	18
1022635	140	< 0.2	< 0.5	97	393	1	93	3	22	1.42	29	11	23	< 0.5	3	2.35	26	86	4.05	< 10	< 1	0.53	17
1022636	39	< 0.2	< 0.5	5	286	< 1	22	5	13	0.69	14	12	54	< 0.5	2	1.21	11	20	2.05	< 10	< 1	0.35	13
1022637	54	< 0.2	< 0.5	12	237	1	51	4	11	0.93	31	13	28	< 0.5	3	1.41	21	41	2.93	< 10	< 1	0.49	13
1022638	172	< 0.2	< 0.5	8	179	3	14	13	10	0.61	48	23	53	< 0.5	4	0.55	7	7	1.88	< 10	< 1	0.29	20
1022639	58	< 0.2	< 0.5	25	275	43	108	4	16	1.44	27	17	< 10	< 0.5	< 2	1.83	29	94	4.49	< 10	< 1	0.63	11
1022640	417	< 0.2	< 0.5	14	224	3	52	7	22	1.70	35	24	19	0.6	< 2	0.80	25	36	3.41	< 10	< 1	0.73	30
1022641	102	< 0.2	< 0.5	24	162	6	48	10	24	1.68	27	24	13	0.5	< 2	0.47	24	48	4.64	< 10	< 1	0.83	37
1022642	89	< 0.2	< 0.5	37	249	6	15	10	18	1.55	19	25	14	0.6	< 2	0.84	19	7	4.13	< 10	< 1	0.85	46
1022643	34	< 0.2	< 0.5	52	149	2	27	9	14	1.79	35	22	16	0.8	< 2	0.69	23	11	4.74	< 10	1	0.95	48
1022644	184	< 0.2	< 0.5	12	475	26	139	13	13	0.65	20	27	28	< 0.5	2	1.24	40	97	3.62	< 10	< 1	0.32	< 10
1022645	62	< 0.2	< 0.5	54	1330	3	11	17	106	1.55	6	12	204	1.0	< 2	1.32	19	14	4.17	< 10	< 1	0.60	89
1022646	20	< 0.2	< 0.5	57	1500	1	13	36	113	1.79	11	18	327	1.0	< 2	1.19	14	14	4.80	< 10	< 1	0.66	95
1022647	18	< 0.2	< 0.5	107	1330	2	34	33	119	2.28	33	13	41	1.1	< 2	2.08	25	80	5.79	10	2	0.96	59
1022648	611	0.6	< 0.5	192	426	3	29	9	79	2.30	88	19	21	1.0	< 2	0.76	33	31	5.14	10	3	0.74	66
1022649	129	0.6	< 0.5	64	646	< 1	30	13	107	2.61	52	10	24	0.8	3	0.78	26	47	6.97	10	1	0.38	51
1022650	98	0.5	< 0.5	147	723	3	16	11	126	2.40	49	10	56	0.7	< 2	1.01	29	14	6.23	10	1	0.34	67
1022731	405	0.4	< 0.5	32	1570	< 1	7	27	90	1.24	17	< 10	16	0.7	< 2	1.29	13	9	5.31	< 10	2	0.55	33
1022732	1180	0.7	< 0.5	226	1260	28	12	15	128	2.21	13	19	36	1.5	< 2	1.32	18	12	4.05	< 10	< 1	1.43	79

Results

Activation Laboratories Ltd.

Report: A20-14403

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1022733	840	0.3	< 0.5	42	1110	< 1	12	25	89	1.79	13	16	19	0.9	< 2	1.14	16	16	5.44	< 10	2	0.79	82
1022734	3390	0.6	< 0.5	123	905	12	10	15	89	1.88	28	19	29	1.1	< 2	0.76	17	10	4.22	< 10	< 1	0.85	119
1022735	357	0.3	< 0.5	145	2000	7	34	11	110	2.48	24	17	24	1.2	< 2	2.45	25	68	6.12	< 10	1	1.12	49
1022736	127	< 0.2	< 0.5	106	862	4	7	31	70	2.25	79	22	35	1.5	< 2	0.55	12	7	4.89	< 10	2	0.97	64
1022737	13	< 0.2	< 0.5	39	784	6	9	26	114	2.04	19	17	219	1.3	< 2	0.52	16	10	4.66	< 10	< 1	0.67	108

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
1022654	0.89	0.059	0.204	0.75	9	6	87	0.02	< 20	< 1	< 2	< 10	84	< 10	21	3
1022655	1.14	0.070	0.099	5.18	3	4	40	< 0.01	< 20	5	< 2	< 10	39	< 10	7	11
1022656	0.82	0.048	0.231	8.07	4	5	64	< 0.01	< 20	4	< 2	< 10	54	< 10	13	12
1022657	1.02	0.029	0.100	1.53	4	7	36	< 0.01	< 20	< 1	< 2	< 10	37	< 10	7	3
1022658	2.71	0.096	0.099	1.74	< 2	11	111	0.26	< 20	< 1	< 2	< 10	89	< 10	6	24
1022659	2.47	0.042	0.069	1.55	3	4	42	< 0.01	< 20	2	< 2	< 10	39	< 10	4	11
1022660	0.28	0.056	0.064	2.28	< 2	2	37	< 0.01	< 20	< 1	< 2	< 10	13	< 10	5	11
1022661	1.59	0.082	0.278	0.56	10	8	96	0.02	< 20	< 1	< 2	< 10	117	17	20	3
1022662	1.19	0.031	0.061	2.91	3	10	102	0.02	< 20	3	< 2	< 10	38	< 10	8	16
1022663	2.01	0.081	0.088	2.50	2	7	17	< 0.01	< 20	2	< 2	< 10	73	< 10	7	20
1022664	2.70	0.056	0.077	1.18	2	5	17	< 0.01	< 20	1	< 2	< 10	57	< 10	3	15
1022665	2.18	0.082	0.095	1.32	3	5	24	< 0.01	< 20	3	< 2	< 10	67	< 10	3	8
1022666	2.05	0.074	0.058	0.50	2	4	62	< 0.01	< 20	< 1	< 2	< 10	52	< 10	5	15
1022667	1.06	0.075	0.226	2.15	5	7	295	0.01	< 20	< 1	< 2	< 10	79	< 10	17	5
1022668	0.59	0.051	0.267	2.26	3	3	103	< 0.01	< 20	< 1	< 2	< 10	41	< 10	22	3
1022669	1.51	0.081	0.216	1.23	2	3	153	< 0.01	< 20	1	< 2	< 10	73	< 10	19	3
1022670	0.82	0.049	0.073	2.57	18	5	39	< 0.01	< 20	4	< 2	< 10	25	< 10	4	14
1022701	0.43	0.068	0.232	4.08	4	2	161	0.01	< 20	2	< 2	< 10	22	< 10	12	8
1022702	0.80	0.063	0.140	2.87	4	4	119	< 0.01	< 20	4	< 2	< 10	41	57	11	6
1022703	0.90	0.066	0.077	1.12	5	5	38	< 0.01	< 20	2	< 2	< 10	37	< 10	4	6
1022704	1.45	0.050	0.076	1.68	3	5	45	< 0.01	< 20	1	< 2	< 10	33	< 10	5	13
1022705	2.32	0.048	0.065	0.34	< 2	5	110	< 0.01	< 20	< 1	< 2	< 10	29	< 10	4	5
1022706	0.96	0.068	0.158	1.26	< 2	4	117	< 0.01	< 20	< 1	< 2	< 10	24	< 10	6	2
1022707	0.75	0.077	0.141	1.35	4	3	67	< 0.01	< 20	1	< 2	< 10	23	< 10	12	3
1022708	1.17	0.056	0.226	2.11	3	5	73	< 0.01	< 20	1	< 2	< 10	44	< 10	14	3
1022709	2.49	0.044	0.093	0.45	11	9	120	< 0.01	< 20	< 1	< 2	< 10	36	< 10	7	4
1022710	1.03	0.038	0.044	1.41	77	3	48	< 0.01	< 20	3	< 2	< 10	11	< 10	3	11
1022711	1.11	0.075	0.183	4.89	4	5	63	< 0.01	< 20	7	< 2	< 10	46	< 10	10	6
1022712	0.15	0.047	0.145	2.48	5	2	19	< 0.01	< 20	3	< 2	< 10	16	< 10	5	4
1022713	0.82	0.065	0.234	3.21	4	7	71	< 0.01	< 20	1	< 2	< 10	57	< 10	14	5
1022714	1.73	0.077	0.100	1.55	< 2	4	13	< 0.01	< 20	< 1	< 2	< 10	43	< 10	4	9
1022715	1.76	0.123	0.208	1.22	4	11	146	0.02	< 20	< 1	< 2	< 10	134	< 10	14	4
1022716	0.21	0.059	0.194	1.86	4	3	73	< 0.01	< 20	7	< 2	< 10	21	< 10	11	5
1022717	1.06	0.053	0.104	1.28	6	6	38	< 0.01	< 20	< 1	< 2	< 10	38	< 10	8	5
1022718	0.60	0.018	0.047	1.67	6	5	24	< 0.01	< 20	< 1	< 2	< 10	36	< 10	4	22
1022719	0.81	0.034	0.059	1.05	9	9	26	0.02	< 20	1	< 2	< 10	44	< 10	6	14
1022720	0.43	0.061	0.173	3.40	3	2	117	< 0.01	< 20	< 1	< 2	< 10	16	< 10	9	9
1022721	1.74	0.085	0.135	0.94	3	5	105	< 0.01	< 20	2	< 2	< 10	52	< 10	14	5
1022722	0.09	0.050	0.231	4.68	5	2	103	< 0.01	< 20	2	< 2	< 10	31	< 10	10	5
1022723	1.37	0.074	0.176	3.86	3	4	84	< 0.01	< 20	5	< 2	< 10	58	< 10	14	6
878083	0.95	0.015	0.174	2.71	9	7	49	0.02	< 20	1	< 2	< 10	59	< 10	10	8
878084	3.67	0.045	0.137	0.57	3	8	32	0.01	< 20	< 1	< 2	< 10	88	< 10	11	4
878085	1.22	0.047	0.202	1.06	9	8	110	< 0.01	< 20	< 1	< 2	< 10	85	< 10	13	2
878086	3.26	0.027	0.043	0.15	6	9	60	0.02	< 20	< 1	< 2	< 10	36	< 10	5	19
878087	1.63	0.021	0.058	0.39	11	9	53	0.01	< 20	< 1	< 2	< 10	37	< 10	6	11
878088	0.22	0.040	0.083	0.82	9	5	21	< 0.01	< 20	< 1	< 2	< 10	27	< 10	5	3
878089	1.19	0.018	0.309	4.11	19	16	56	0.04	< 20	1	< 2	< 10	126	44	14	6
878090	1.41	0.024	0.332	1.23	42	16	91	0.04	< 20	< 1	< 2	< 10	111	11	16	4
878091	0.11	0.070	0.040	3.58	74	4	46	< 0.01	< 20	2	< 2	< 10	24	< 10	4	36
878092	0.93	0.021	0.059	1.50	11	7	50	0.02	< 20	2	< 2	< 10	39	< 10	6	37
878093	1.32	0.033	0.065	1.06	8	8	39	0.01	< 20	1	< 2	< 10	41	< 10	5	7

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
878094	0.18	0.026	0.066	0.52	5	6	16	< 0.01	< 20	2	< 2	< 10	23	< 10	5	6
878095	0.11	0.044	0.181	3.24	66	3	45	< 0.01	< 20	2	< 2	< 10	43	< 10	9	6
878378	0.04	0.058	0.190	3.68	8	2	40	< 0.01	< 20	2	< 2	< 10	31	< 10	9	6
878379	1.53	0.065	0.238	8.12	4	9	50	0.01	< 20	5	< 2	< 10	109	< 10	12	14
878380	1.66	0.071	0.099	5.26	2	4	38	< 0.01	< 20	2	< 2	< 10	52	< 10	6	27
13201	1.19	0.069	0.172	1.86	4	8	114	0.02	< 20	< 1	< 2	< 10	89	< 10	20	7
13202	0.70	0.099	0.219	0.57	3	4	145	0.01	< 20	< 1	< 2	< 10	70	< 10	20	3
13203	0.93	0.067	0.196	0.63	< 2	5	176	0.01	< 20	4	< 2	< 10	53	< 10	17	2
13204	0.74	0.061	0.163	0.66	< 2	6	97	< 0.01	< 20	< 1	< 2	< 10	41	< 10	18	3
13205	1.16	0.086	0.172	0.47	3	8	118	0.03	< 20	< 1	< 2	< 10	87	< 10	25	5
1022612	1.33	0.069	0.183	1.22	6	7	118	0.01	< 20	< 1	< 2	< 10	94	14	13	5
1022613	1.38	0.085	0.177	1.33	6	8	146	0.01	< 20	< 1	< 2	< 10	101	11	14	4
1022614	2.05	0.076	0.176	0.06	3	9	217	0.02	< 20	< 1	< 2	< 10	134	< 10	13	3
1022615	1.91	0.085	0.186	0.05	4	8	214	0.02	< 20	< 1	< 2	< 10	118	13	15	3
1022616	1.40	0.079	0.177	0.25	5	7	156	0.01	< 20	< 1	< 2	< 10	101	49	13	3
1022617	1.94	0.066	0.187	0.01	3	10	198	0.01	< 20	< 1	< 2	< 10	123	< 10	14	3
1022618	1.35	0.083	0.181	0.05	7	7	315	0.01	< 20	< 1	< 2	< 10	98	118	14	2
1022619	3.08	0.107	0.098	0.02	6	16	109	0.26	< 20	2	< 2	< 10	392	< 10	8	22
1022620	1.54	0.113	0.061	1.12	4	15	179	< 0.01	< 20	2	< 2	< 10	66	< 10	5	7
1022621	1.56	0.086	0.046	0.92	4	16	168	< 0.01	< 20	2	< 2	< 10	73	< 10	4	6
1022622	1.46	0.096	0.040	0.82	4	16	163	< 0.01	< 20	< 1	< 2	< 10	72	< 10	4	6
1022623	7.48	0.020	0.062	0.02	3	17	363	< 0.01	< 20	1	< 2	< 10	24	< 10	4	4
1022624	7.68	0.016	0.062	0.02	4	16	401	< 0.01	< 20	< 1	< 2	< 10	21	< 10	5	4
1022625	1.65	0.080	0.199	2.50	3	9	228	0.01	< 20	< 1	< 2	< 10	93	< 10	16	6
1022626	1.62	0.077	0.210	1.35	3	10	212	0.02	< 20	< 1	< 2	< 10	106	< 10	14	4
1022627	1.66	0.072	0.191	2.80	3	9	239	0.03	< 20	< 1	< 2	< 10	101	< 10	18	12
1022628	1.79	0.061	0.217	6.62	3	7	74	< 0.01	< 20	18	< 2	< 10	91	< 10	11	10
1022629	0.20	0.072	0.062	4.21	2	3	23	< 0.01	< 20	1	< 2	< 10	19	< 10	4	26
1022630	0.51	0.046	0.114	4.12	11	5	51	< 0.01	< 20	2	< 2	< 10	30	< 10	7	10
1022631	0.85	0.053	0.060	1.92	5	2	88	< 0.01	< 20	< 1	< 2	< 10	11	< 10	6	10
1022632	0.33	0.041	0.063	1.71	3	3	48	< 0.01	< 20	3	< 2	< 10	15	< 10	4	12
1022633	0.51	0.063	0.052	1.37	3	2	63	< 0.01	< 20	1	< 2	< 10	9	< 10	3	16
1022634	0.34	0.095	0.053	1.05	2	< 1	42	< 0.01	< 20	< 1	< 2	< 10	9	< 10	3	9
1022635	1.84	0.062	0.074	3.31	4	7	74	< 0.01	< 20	< 1	< 2	< 10	36	< 10	6	17
1022636	0.61	0.097	0.063	1.53	< 2	2	77	< 0.01	< 20	1	< 2	< 10	12	< 10	4	12
1022637	0.75	0.084	0.065	2.83	3	4	82	< 0.01	< 20	2	< 2	< 10	20	< 10	4	16
1022638	0.28	0.086	0.052	1.12	< 2	< 1	34	< 0.01	< 20	< 1	< 2	< 10	6	< 10	3	11
1022639	1.44	0.062	0.081	4.51	4	6	91	< 0.01	< 20	1	< 2	< 10	37	< 10	5	19
1022640	0.88	0.070	0.168	2.99	4	5	66	< 0.01	< 20	< 1	< 2	< 10	41	< 10	8	6
1022641	0.63	0.075	0.145	4.10	6	5	53	< 0.01	< 20	4	< 2	< 10	55	< 10	9	10
1022642	0.44	0.074	0.176	3.31	5	3	94	< 0.01	< 20	2	< 2	< 10	41	< 10	13	4
1022643	0.40	0.068	0.199	4.99	5	6	50	< 0.01	< 20	1	< 2	< 10	45	< 10	13	6
1022644	0.62	0.096	0.034	3.00	3	3	68	< 0.01	< 20	2	< 2	< 10	14	< 10	5	28
1022645	1.23	0.122	0.166	0.42	< 2	7	124	0.03	< 20	< 1	< 2	< 10	99	< 10	24	4
1022646	1.19	0.145	0.153	0.27	< 2	6	164	0.05	< 20	< 1	< 2	< 10	93	< 10	27	4
1022647	2.13	0.115	0.208	0.73	2	10	203	0.09	< 20	< 1	< 2	< 10	128	< 10	18	5
1022648	1.48	0.117	0.204	3.02	4	8	96	0.02	< 20	2	< 2	< 10	110	< 10	18	8
1022649	1.88	0.103	0.257	2.48	3	7	53	0.01	< 20	2	< 2	< 10	162	< 10	15	4
1022650	1.71	0.117	0.261	1.36	3	6	99	< 0.01	< 20	< 1	< 2	< 10	140	< 10	18	3
1022731	1.02	0.145	0.113	3.20	< 2	5	167	0.04	< 20	< 1	< 2	< 10	93	< 10	16	27
1022732	1.71	0.134	0.135	1.44	< 2	6	180	0.11	< 20	2	< 2	< 10	111	< 10	23	16

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
1022733	0.89	0.112	0.187	2.98	2	7	112	0.04	< 20	< 1	< 2	< 10	103	< 10	26	10
1022734	0.83	0.117	0.123	2.14	2	6	104	0.03	< 20	< 1	< 2	< 10	93	< 10	25	8
1022735	2.04	0.089	0.204	1.87	3	11	177	0.07	< 20	1	< 2	< 10	122	< 10	19	10
1022736	0.71	0.086	0.164	1.77	2	4	45	0.01	< 20	< 1	< 2	< 10	80	< 10	26	4
1022737	1.07	0.134	0.137	0.37	2	4	80	0.02	< 20	< 1	< 2	< 10	88	< 10	29	3

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas		0.3	< 0.5	66	978	1	23	91	121	7.34	219	< 10	866	0.8	< 2	0.14	13	76	5.38	20	2	1.10	< 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
GXR-6 Meas		0.3	< 0.5	68	990	1	21	94	119	7.47	219	< 10	850	0.8	< 2	0.13	13	78	5.49	20	2	1.11	< 10
GXR-6 Cert		1.30	1.00	66.0	1010	2.40	27.0	101	118	17.7	330	9.80	1300	1.40	0.290	0.180	13.8	96.0	5.58	35.0	0.0680	1.87	13.9
OREAS 922 (AQUA REGIA) Meas		0.9	< 0.5	2080	735	< 1	31	56	240	3.06	5		86	0.7	9	0.38	19	44	4.96	< 10		0.48	38
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 922 (AQUA REGIA) Meas		0.8	< 0.5	2220	737	< 1	33	57	254	3.14	7		85	0.8	10	0.39	20	45	5.13	< 10		0.50	39
OREAS 922 (AQUA REGIA) Cert		0.851	0.28	2176	730	0.69	34.3	60	256	2.72	6.12		70	0.65	10.3	0.324	19.4	40.7	5.05	7.62		0.376	32.5
OREAS 923 (AQUA REGIA) Meas		1.7	< 0.5	4360	833	< 1	30	75	325	3.13	6		74	0.7	27	0.39	21	41	5.83	< 10		0.43	36
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 923 (AQUA REGIA) Meas		1.7	< 0.5	4480	841	< 1	32	78	326	3.17	8		71	0.7	27	0.39	22	42	5.99	< 10		0.42	36
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 621 (Aqua Regia) Meas		68.1	294	3470	517	13	24	> 5000	> 10000	1.88	76			0.6	5	1.56	31	31	3.31	< 10	4	0.37	20
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 621 (Aqua Regia) Meas		69.0	299	3490	521	13	22	> 5000	> 10000	1.95	78			0.6	6	1.58	30	28	3.35	10	4	0.38	20
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 45f (Aqua Regia) Meas				342	169	< 1	224	6	27	8.10			144	1.0	2	0.06	36	339	14.0	20	< 1	0.11	10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 45f (Aqua Regia) Meas				352	171	< 1	230	6	27	8.22			145	1.0	3	0.06	38	348	14.3	20	< 1	0.11	10
OREAS 45f (Aqua Regia) Cert				336	150	1.19	192	12.4	22.2	4.81			158	0.980	0.170	0.0750	39.2	341	13.7	20.3	0.0310	0.0820	10.7
OREAS 238 (Fire Assay) Meas	3170																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3150																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3120																						
OREAS 238 (Fire Assay) Cert	3030																						
OREAS 238 (Fire Assay) Meas	3140																						
OREAS 238 (Fire Assay) Cert	3030																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
Assay Cert																							
OREAS 238 (Fire Assay) Meas	3120																						
OREAS 238 (Fire Assay) Cert	3030																						
Oreas E1336 (Fire Assay) Meas	515																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	515																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	510																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	515																						
Oreas E1336 (Fire Assay) Cert	510																						
Oreas E1336 (Fire Assay) Meas	520																						
Oreas E1336 (Fire Assay) Cert	510																						
1022658 Orig		< 0.2	< 0.5	14	739	< 1	106	6	55	2.56	22	< 10	57	< 0.5	< 2	1.82	28	200	4.82	< 10	2	0.06	20
1022658 Dup		< 0.2	< 0.5	14	743	< 1	104	7	54	2.55	18	< 10	52	< 0.5	< 2	1.81	28	199	4.81	< 10	< 1	0.05	20
1022662 Orig	34																						
1022662 Dup	33																						
1022667 Orig		< 0.2	< 0.5	117	1420	< 1	22	11	78	1.76	32	21	36	0.9	< 2	1.36	34	23	5.43	< 10	2	0.62	58
1022667 Dup		< 0.2	< 0.5	119	1430	< 1	23	12	79	1.82	33	22	35	1.0	< 2	1.37	35	24	5.47	< 10	2	0.66	58
1022702 Orig	1140																						
1022702 Dup	1160																						
1022706 Orig	9																						
1022706 Dup	8																						
1022716 Orig		5.8	< 0.5	846	512	20	13	16	31	0.57	25	24	41	< 0.5	< 2	0.41	18	8	3.74	< 10	< 1	0.31	62
1022716 Dup		6.0	< 0.5	866	527	20	13	16	33	0.61	26	25	37	< 0.5	< 2	0.42	18	9	3.88	< 10	< 1	0.34	64
878086 Orig	6																						
878086 Dup	< 5																						
878092 Orig	23	< 0.2	< 0.5	16	867	2	93	7	46	1.79	13	38	58	< 0.5	< 2	0.90	23	86	3.75	< 10	3	1.16	14
878092 Split PREP DUP	23	< 0.2	< 0.5	16	878	2	93	5	45	1.84	14	40	58	< 0.5	2	0.91	24	90	3.78	< 10	3	1.20	14
878094 Orig		< 0.2	< 0.5	19	1080	1	40	3	23	0.96	9	18	92	< 0.5	4	0.64	19	63	2.35	< 10	2	0.62	14
878094 Dup		< 0.2	< 0.5	19	1090	1	40	4	23	0.96	10	18	92	< 0.5	< 2	0.64	19	62	2.36	< 10	2	0.61	14
878095 Orig	115																						
878095 Dup	106																						
13201 Orig	22																						
13201 Dup	23																						
1022617 Orig		< 0.2	< 0.5	117	1060	2	55	4	95	2.50	< 2	11	72	0.6	< 2	3.79	24	105	5.60	10	1	0.43	55
1022617 Dup		< 0.2	< 0.5	114	1040	1	55	4	93	2.48	< 2	11	73	0.6	< 2	3.76	24	104	5.56	10	1	0.44	55
1022626 Orig		0.2	< 0.5	145	1340	2	25	8	109	1.66	55	12	70	0.7	< 2	2.34	26	28	5.60	< 10	< 1	0.49	50
1022626 Dup		0.2	< 0.5	144	1330	2	25	9	108	1.64	55	13	71	0.7	< 2	2.33	26	28	5.56	< 10	1	0.48	50
1022628 Orig	4450																						
1022628 Dup	4750																						

Analyte Symbol	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg	K	La
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
Lower Limit	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1	0.01	10
Method Code	FA-AA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1022638 Orig	172																						
1022638 Dup	171																						
1022642 Orig	82																						
1022642 Dup	95																						
1022645 Orig		< 0.2	< 0.5	54	1330	3	11	16	105	1.54	6	12	203	1.0	< 2	1.32	19	14	4.14	< 10	< 1	0.59	89
1022645 Dup		< 0.2	< 0.5	55	1340	3	10	17	107	1.56	5	12	205	1.1	< 2	1.33	20	14	4.19	< 10	< 1	0.60	90
1022650 Orig	98	0.5	< 0.5	147	723	3	16	11	126	2.40	49	10	56	0.7	< 2	1.01	29	14	6.23	10	1	0.34	67
1022650 Split PREP DUP	101	0.5	< 0.5	146	723	3	14	13	125	2.41	50	10	64	0.7	2	1.00	29	14	6.23	10	1	0.35	67
1022735 Orig	348																						
1022735 Dup	365																						
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
Method Blank		< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1	< 0.01	< 10
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-6 Meas	0.38	0.139	0.032	0.01	3	19	31		< 20	< 1	< 2	< 10	165	< 10	5	9
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
GXR-6 Meas	0.39	0.144	0.033	0.01	4	19	32		< 20	< 1	< 2	< 10	166	< 10	5	8
GXR-6 Cert	0.609	0.104	0.0350	0.0160	3.60	27.6	35.0		5.30	0.0180	2.20	1.54	186	1.90	14.0	110
OREAS 922 (AQUA REGIA) Meas	1.28	0.032	0.061	0.35	< 2	4	16		< 20		< 2	< 10	35	< 10	21	26
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 922 (AQUA REGIA) Meas	1.34	0.031	0.063	0.37	3	4	16		< 20		< 2	< 10	37	< 10	21	26
OREAS 922 (AQUA REGIA) Cert	1.33	0.021	0.063	0.386	0.57	3.15	15.0		14.5		0.14	1.98	29.4	1.12	16.0	22.3
OREAS 923 (AQUA REGIA) Meas	1.41		0.058	0.67	< 2	4	14		< 20		< 2	< 10	35	< 10	20	28
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 923 (AQUA REGIA) Meas	1.43		0.060	0.68	3	4	15		< 20		< 2	< 10	35	< 10	20	33
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 621 (Aqua Regia) Meas	0.43	0.177	0.034	4.60	112	2	18		< 20		< 2	< 10	13	< 10	8	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 621 (Aqua Regia) Meas	0.44	0.180	0.034	4.66	112	2	19		< 20		< 2	< 10	13	< 10	8	69
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 45f (Aqua Regia) Meas	0.18	0.051	0.021	0.02		25	14	0.14	< 20		< 2	< 10	200		5	19
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 45f (Aqua Regia) Meas	0.18	0.050	0.021	0.02		26	14	0.13	< 20		< 2	< 10	204		5	16
OREAS 45f (Aqua Regia) Cert	0.152	0.0320	0.0220	0.0270		31.4	13.2	0.0970	7.67		0.120	1.09	217		6.74	30.0
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																

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 Cert																
OREAS 238 (Fire Assay) Meas																
OREAS 238 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
Oreas E1336 (Fire Assay) Meas																
Oreas E1336 (Fire Assay) Cert																
1022658 Orig	2.71	0.098	0.099	1.75	< 2	11	112	0.26	< 20	< 1	< 2	< 10	89	< 10	6	23
1022658 Dup	2.72	0.094	0.099	1.74	2	11	110	0.26	< 20	5	< 2	< 10	89	< 10	6	25
1022662 Orig																
1022662 Dup																
1022667 Orig	1.05	0.074	0.226	2.15	5	7	293	0.01	< 20	< 1	< 2	< 10	77	< 10	17	5
1022667 Dup	1.07	0.075	0.226	2.15	5	7	296	0.01	< 20	< 1	< 2	< 10	81	< 10	17	5
1022702 Orig																
1022702 Dup																
1022706 Orig																
1022706 Dup																
1022716 Orig	0.21	0.059	0.191	1.83	3	3	71	< 0.01	< 20	7	< 2	< 10	20	< 10	11	5
1022716 Dup	0.22	0.059	0.197	1.89	4	3	74	< 0.01	< 20	7	< 2	< 10	22	< 10	12	4
878086 Orig																
878086 Dup																
878092 Orig	0.93	0.021	0.059	1.50	11	7	50	0.02	< 20	2	< 2	< 10	39	< 10	6	37
878092 Split PREP DUP	0.94	0.023	0.059	1.50	10	7	51	0.02	< 20	< 1	< 2	< 10	40	< 10	6	38
878094 Orig	0.18	0.027	0.065	0.52	5	6	15	< 0.01	< 20	2	< 2	< 10	23	< 10	5	4
878094 Dup	0.18	0.024	0.066	0.52	6	6	16	< 0.01	< 20	1	< 2	< 10	22	< 10	5	8
878095 Orig																
878095 Dup																
13201 Orig																
13201 Dup																
1022617 Orig	1.94	0.065	0.188	0.01	3	10	198	0.01	< 20	< 1	< 2	< 10	122	< 10	14	2
1022617 Dup	1.93	0.067	0.186	0.01	2	10	197	0.01	< 20	< 1	< 2	< 10	123	< 10	14	3
1022626 Orig	1.63	0.077	0.211	1.35	3	10	212	0.02	< 20	1	< 2	< 10	106	< 10	14	4
1022626 Dup	1.62	0.077	0.210	1.35	2	10	212	0.02	< 20	< 1	< 2	< 10	105	< 10	14	4
1022628 Orig																
1022628 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
1022638 Orig																
1022638 Dup																
1022642 Orig																
1022642 Dup																
1022645 Orig	1.22	0.121	0.165	0.41	< 2	7	123	0.03	< 20	< 1	< 2	< 10	98	< 10	24	5
1022645 Dup	1.24	0.123	0.167	0.42	< 2	7	125	0.03	< 20	< 1	< 2	< 10	100	< 10	24	4
1022650 Orig	1.71	0.117	0.261	1.36	3	6	99	< 0.01	< 20	< 1	< 2	< 10	140	< 10	18	3
1022650 Split PREP DUP	1.68	0.122	0.263	1.40	2	6	101	< 0.01	< 20	2	< 2	< 10	139	< 10	18	3
1022735 Orig																
1022735 Dup																
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.007	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank	< 0.01	0.012	< 0.001	< 0.01	< 2	< 1	< 1	< 0.01	< 20	< 1	< 2	< 10	< 1	< 10	< 1	< 1
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																
Method Blank																



Report No.: A20-15259-Au
Report Date: 04-Dec-20
Date Submitted: 27-Nov-20
Your Reference: Tower Stock Gold Property

White Metal Resources
3250 Highway,130 Rosslyn
ON
Canada

ATTN: Mike Stares

CERTIFICATE OF ANALYSIS

21 Rock samples were submitted for analysis.

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 1A2-Tbay, GOP AA-Au (Au - Fire Assay AA), 2020-12-04 18:40:05

REPORT A20-15259-Au

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

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
1022724	486
1022725	113
1022726	976
1022727	21
1022728	34
1022729	22
1022730	41
1022738	52
1022739	22
1022740	< 5
1022741	49
1022742	46
1022743	95
1022744	209
1022551	169
1022552	235
013206	59
013207	26
013208	36
013209	36
013210	52

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 238 (Fire Assay) Meas	3020
OREAS 238 (Fire Assay) Cert	3030
Oreas E1336 (Fire Assay) Meas	509
Oreas E1336 (Fire Assay) Cert	510
1022739 Orig	22
1022739 Dup	22
013208 Orig	35
013208 Dup	36
Method Blank	< 5
Method Blank	< 5

Appendix D – Assay Results, Locations and Descriptions

GRAB SAMPLES COLLECTED IN 2020

Sample No#	Easting N83Z16	Northing N83Z16	Sample Description	Au G/T	Ag ppm 0#2 AR ICP	Cu ppm 1 AR ICP
1022724	300882	5378490	Same as 1022725 cliff area sample	0.49	0.9	82
1022725	300879	5378486	Sub crop altered syn carb felspar in place cliff s	0.11	0.5	122
1022726	300195	5377752	Same place as 1022720	0.98	0.3	36
1022727	300452	5377927	Very large boulder fra sil fine gra syn 3%py	0.02	< 0.2	19
1022728	300453	5377925	Altered por ser boulder	0.03	< 0.2	10
1022729	300258	5377973	Very nice sil oc in low area	0.02	0.4	20
1022730	300244	5377985	Altered back stingers tour rusty oc 10plus m wid	0.04	< 0.2	16
1022738	300244	5377985	Extremly altered green fuch 2%py	0.05	0.6	41
1022739	300451	5377930	Syl fine 4%pyr	0.02	< 0.2	12
1022552	301425	5378534	Area of G ZONE Brick red alteretion 3%py	0.24	< 0.2	103
13208	300246	5377981	Fine grin vol with 2%py	0.04	< 0.2	39
13209	300245	5377976	Bre por? wit caarb	0.04	< 0.2	41
13210	300249	5377972	Syl vol bre wit carb 5%py	0.05	< 0.2	36
1022654	301320	5378733	Old pit sil syn trace pyr	0.01	< 0.2	47
1022655	300496	5377403	Syl mf ith 4% pyr strike 90 dip 70 to the SW	0.17	0.5	14
1022656	300490	5377404	Syl maf outc old NOR TRENCH west lee 3% pyr	0.47	1.1	16
1022657	300547	5377569	Sil mafic 2%py oc	0.05	0.2	244
1022658	300507	5377642	Sil mafc gabbro 2%py oc	0.05	< 0.2	14
1022659	300477	5377660	Oc mod alt mafic tr py	0.04	< 0.2	18
1022660	300468	5377744	Sil boulder in creek grey green 2% py	0.07	< 0.2	9
1022661	300477	5377734	Largeboulder 2%fractured py in altered syn	0.04	< 0.2	76
1022662	300433	5377790	Boulder sil mafic ? 2%py	0.03	< 0.2	10
1022663	300538	5377807	Sil breccia oc rbble 2%py	0.48	< 0.2	7
1022664	300538	5377812	Sil mafic syn? 2%py oc	0.21	< 0.2	17
1022665	300534	5377811	Rubble on hill rusty semi sil syn?2%py	0.26	0.3	41
1022666	300547	5377793	Simalar to new creek showing fine grained rusty s	0.01	< 0.2	76
1022667	300148	5377828	Large bouldes syn 2%frac py	0.06	< 0.2	118
1022668	300117	5377846	Sil carb tamisk tr py oc	0.03	< 0.2	91
1022669	300200	5377832	Unaltered syn 1%py oc	0.02	< 0.2	127
1022670	300206	5377829	Sil maic carb altered 3%py oc	0.25	1.1	73
1022701	300232	5377829	Old sample 878462 reassay	0.08	0.2	27
1022703	300248	5377839	Alted gabbro tr to 1% py oc	0.63	1.2	285
1022704	300250	5377836	Altered gabbro carb 1%py subcrop	0.14	0.2	12
1022705	300195	5377644	Large carb shear tr to 1%py	0	< 0.2	18
1022706	300200	5377636	Large seare mafic unit carb 2%py	0.01	< 0.2	25
1022707	300235	5377728	High carb zone mafic1%py oc	0.2	0.3	62
1022708	300240	5377737	Higly altered shear carb sercte 1py	0.03	< 0.2	23
1022709	300241	5377746	Sil mafic 1%py carb siltly sil	0.05	1.1	118
1022710	300243	5377757	Sil shear mafic oc 1%py large area of altereat	0.09	1.5	223
1022711	300082	5377910	Sil grey boulder 2%py	1.76	4.6	319
1022712	300089	5377903	Sil grey boulder 2%py	0.04	0.9	14
1022713	300105	5377915	Very large boulder syn breccia locl ?	0.05	0.4	63
1022714	300130	5377901	Rubble alterd gabro ? 2py carb sil	0.05	< 0.2	12
1022715	300718	5378456	Syb brch fract 2% pyr	0.04	< 0.2	96
1022716	300556	5378282	Same area s 878195	3.49	5.9	856

GRAB SAMPLES COLLECTED IN 2020

Sample No#	Easting N83Z16	Northing N83Z16	Sample Description	Au G/T	Ag ppm 0#2 AR ICP	Cu ppm 1 AR ICP
1022718	300680	5377380	Syn pink colour alt fractured	0.01	< 0.2	13
1022719	300669	5377396	Rusty alt fract syn outcrop	0.01	< 0.2	62
1022720	300192	5377749	Sil sub crop mafic syn 3% py good stuff	0.53	< 0.2	42
1022721	300183	5377759	Sil syn boulder like new creek showing	0.08	< 0.2	61
1022723	300090	5377860	Largebouldr sil grey 2%py	1.32	1.3	98
878083	300709	5377333	Syn brch 1% pyr sul outrop	0.07	< 0.2	56
878084	300719	5377330	Unaltered green syn	0.01	< 0.2	29
878085	300708	5377331	Alt syn fract 1% pyr	0.05	< 0.2	81
878086	300685	5377372	Maf vc slightly syl with 1% pyr	0	< 0.2	28
878087	300687	5377368	Fine grain syn 1%pyr outcrp nor tr	0.02	< 0.2	215
878088	300694	5377356	Syl syn outcrop	0.05	< 0.2	27
878089	300699	5377350	Same as 878090	0.28	0.3	64
878090	300696	5377357	Fine grain sy frct syl 2%pyr outcrop	0.03	0.4	109
878091	300696	5377345	Fine gran sy withfracture cotrol pyr	0.18	1.4	127
878092	300698	5377344	Fie grain syn with pink outcrop	0.02	< 0.2	16
878093	300698	5377340	Syl maf 3% pyr	0.07	< 0.2	12
878094	300710	5377333	Brech extreme wth 1% pyr oucrop?	0.09	< 0.2	19
878095	300713	5377332	Outcrop syn bre 2 pyr	0.11	2.4	122
878378	300716	5377340	Sil syne 2% py oc old nor trench	0.1	0.5	19
878379	300491	5377383	Syl gra maf	0.23	1.6	33
878380	300491	5377381	Sil mafic 3% py old nor west tr rubble	0.15	0.5	22
13201	301120	5378256	No Descriptions	0.02	< 0.2	140
13202	301126	5378247	No Descriptions	0.02	< 0.2	34
13203	301135	5378251	No Descriptions	0.01	< 0.2	116
13204	301150	5378250	No Descriptions	0.01	< 0.2	60
13205	301226	5378259	No Descriptions	0.04	< 0.2	139
1022612	301307	5377649	No Descriptions	0.39	0.3	150
1022613	301307	5377649	No Descriptions	0.76	0.4	157
1022614	301307	5377649	No Descriptions	0.02	< 0.2	109
1022615	301307	5377649	No Descriptions	0.03	< 0.2	100
1022616	301307	5377649	No Descriptions	0.06	< 0.2	100
1022617	301307	5377649	No Descriptions	0.01	< 0.2	115
1022618	301307	5377649	No Descriptions	0.03	< 0.2	94
1022619	301165	5377590	No Descriptions	0.03	0.2	77
1022620	301096	5377580	No Descriptions	0.01	< 0.2	99
1022621	298339	5378973	No Descriptions	0	< 0.2	84
1022622	298339	5378973	No Descriptions	0.01	< 0.2	88
1022623	297956	5378951	No Descriptions	0	< 0.2	66
1022624	297960	5378963	No Descriptions	0	< 0.2	59
1022625	300740	5378484	No Descriptions	0.04	0.3	37
1022626	300727	5378451	No Descriptions	0.03	0.2	144
1022627	300731	5378475	No Descriptions	0.02	0.2	63
1022628	300516	5377361	No Descriptions	4.6	1.2	1480
1022629	300381	5377974	Grab e o trench sil green 3%py old vale trench	0.19	< 0.2	20
1022630	300376	5377978	Sil green zone 3%py 3/4m chip old vale trnch	0.36	< 0.2	47

GRAB SAMPLES COLLECTED IN 2020

Sample No#	Easting N83Z16	Northing N83Z16	Sample Description	Au G/T	Ag ppm 0#2 AR ICP	Cu ppm 1 AR ICP
1022631	300375	5377982	Silsmal frags 2%py old vale trench	2.19	0.4	24
1022632	301396	5378281	Rusty brch 1% pyr local	0.1	< 0.2	8
1022633	300373	5377982	Sil por 3%py old vale tr	0.34	< 0.2	8
1022634	300368	5377986	Grab sil por 2%py old vale tr	0.09	< 0.2	5
1022635	300362	5378000	Old val tre chip over 6m sil green grey 3%py	0.14	< 0.2	97
1022636	300355	5377996	Grab sil green 3%py old vale trench	0.04	< 0.2	5
1022637	300357	5378003	Grab from trench sil green 3%py	0.05	< 0.2	12
1022638	300367	5377993	Sil altered por 2%py old grab old vale tr	0.17	< 0.2	8
1022639	300354	5378009	Sil green grey 3%py old val cha 4m chip	0.06	< 0.2	25
1022640	300346	5378013	Sil green alter 3%py old val chn 3meters chi	0.42	< 0.2	14
1022641	300346	5378024	Old vale tr chan 3/4 met sil green aler 3% py	0.1	< 0.2	24
1022642	300342	5378023	Old v tre sil green chann sample 3/4meter	0.09	< 0.2	37
1022643	300345	5378017	Grab sil green alter 3%py	0.03	< 0.2	52
1022644	300378	5377979	Grab sil green alter 3%py fucsite old vale trench	0.18	< 0.2	12
1022645	301315	5378297	No Descriptions	0.06	< 0.2	54
1022646	301191	5378326	No Descriptions	0.02	< 0.2	57
1022647	301191	5378325	No Descriptions	0.02	< 0.2	107
1022648	300880	5378490	No Descriptions	0.61	0.6	192
1022649	301051	5378253	No Descriptions	0.13	0.6	64
1022650	301046	5378252	No Descriptions	0.1	0.5	147
1022731	301255	5378310	Brch syn dec pyr old tr	0.41	0.4	32
1022732	301266	5378317	Ol tr decem pyr	1.18	0.7	226
1022733	301265	5378329	Alt brech 20%pyr	0.84	0.3	42
1022734	301261	5378342	Rubbly syn 2% pyr	3.39	0.6	123
1022735	301252	5378339	Syn rubble sub 2% py	0.36	0.3	145
1022736	301231	5378364	Alt syn2% pyr	0.13	< 0.2	106
1022737	301225	5378368	Weak alt syn with 2 % string pyr	0.01	< 0.2	39
878388	301327	5378515	Oc synitered aler 2% py	0.01	< 0.2	71
878389	301312	5378511	Ocsyn red alteration 2%py	0.08	0.2	50
878390	301302	5378502	Rubble in creek altered syn 1%py	0.11	0.3	31
878391	301227	5378471	Altered yn no py oc	0.01	< 0.2	75
878392	301193	5378438	Oc synte mod altere mag ? tr to 1% py	0.01	< 0.2	76
878393	301256	5378326	Syn brch altered syl 3% pyr	0.6	0.8	110
878394	301267	5378314	Syn brch alt otcrop 3% pyr	1.7	1.9	127
878395	301267	5378310	Syl brech syn 2% pyr oc	0.91	2.6	66
878396	301275	5378315	Sub boulder syn brch	1.74	9.6	63
878397	301312	5378302	Brch syn wit carb alt tra oc	0.1	< 0.2	352
878398	301321	5378298	Lrg boulder brch syn 2% pyr	2.16	0.6	66
878399	301345	5378288	Brch syn slight altd 3% pyr up to	1.16	1.4	51
878400	301349	5378284	Syl brech sub 3% pyr	0.88	0.3	56
1022651	301386	5378283	Syn brech sigyt altd no pyr	0.06	< 0.2	53
878381	300721	5377968	Mod altered syn tr py oc	0.03	< 0.2	57
878382	301281	5378211	Mod altered syn 3%py	0.02	< 0.2	105
878383	300758	5378412	Sil slightly altered syn 2% py	0.15	< 0.2	93
878384	300748	5378410	Sil syn 2%py	0.34	1.3	99

GRAB SAMPLES COLLECTED IN 2020

Sample No#	Easting N83Z16	Northing N83Z16	Sample Description	Au G/T	Ag ppm 0#2 AR ICP	Cu ppm 1 AR ICP
878385	300744	5378404	Sil syn altered oc	0.15	0.5	45
878386	300743	5378435	Sil alter syn bre2%py oc	0.08	0.2	61
878387	300741	5378429	Same 878386 oc	0.17	0.5	164
1022601	301069	5377508	ALT SIN 10% PY	0.02	< 0.2	146
1022602	301098	5377578	No Descriptions	0.11	< 0.2	502
1022603	301228	5377675	No Descriptions	0.02	< 0.2	167
1022604	301229	5377676	No Descriptions	0.01	< 0.2	133
1022605	301277	5377676	No Descriptions	0.04	0.5	98
1022606	301303	5377645	No Descriptions	1.07	0.9	65
1022607	301365	5377767	No Descriptions	0.05	0.5	116
1022608	301365	5377767	No Descriptions	0.03	< 0.2	185
1022609	301277	5377770	No Descriptions	0.05	0.7	128
1022610	301277	5377770	No Descriptions	0.05	0.5	53
1022611	301307	5377649	No Descriptions	0.02	< 0.2	110
878351	300952	5378424	Old noranda trench syn with minor veins carb alten	0.17	0.6	53
878352	300950	5378316	Synte breccia maybe a mineralized frags 1% py	0.21	0.6	84
878354	300709	5378240	Large oc of synite breccia 3%py	0.17	0.3	18
878355	300678	5378250	Altered synite breccia 3%Py	0.22	0.4	48
878356	300675	5378248	Altered breccia synite large area 2%py	0.14	0.3	47
878357	300678	5377574	Sil fractured bre grab sampl	1.27	0.7	26
878358	300675	5377568	Sil bre 2% py old channel sample	0.11	0.3	70
878359	300676	5377575	Sil syn bre2% py old channel sampl	1.93	0.4	35
878360	300675	5377574	Sil bre syn 3% py old channel sample	2.04	0.4	48
878361	300681	5377578	Bre syn 2%py old channl sample	2.98	0.6	181
878362	300684	5377576	Syn brecc 5%py old channel sample	1.13	2.4	80
878363	300499	5377658	Rustic mafic 2% py	0.03	< 0.2	22
878364	300506	5377666	Syl mafic 1% fine py	0.14	0.3	11
878366	300487	5377715	Syl frCTURED BOULDER SYN	0.03	< 0.2	52
878367	300483	5377718	Syl ande altered 2% py boulder in creek	0.1	< 0.2	9
878368	300478	5377725	Syl syn 1% pyr frac bre	0.04	< 0.2	101
878369	300479	5377736	Ande bre l 3% fine py VERY LARGE SUB CROP BOULDER?	0.25	0.7	39
878370	300483	5377742	Syl andy 2% finr pyr	0.1	0.3	50
878371	300499	5377743	Brech sub crop outcrop	0.1	0.3	27
878372	300500	5377738	Syl syn 1% pyr fractured	1.33	4.8	276
878373	300504	5377740	Syl syn 44% pyr	0.47	5.4	514
878374	300508	5377732	Syn mafic syl with 2% pyr	0.79	0.3	189
878375	300512	5377737	Syl andy sy	0.17	0.4	36
878376	300599	5377694	Rsty oc mafic 2%PY	0.08	0.2	22
878377	300689	5377793	Oc sil rusty fg synite 2%py	0.04	0.3	24
878181	300866	5378367	Oc shear frac 5%py tr 50 deg dip40 300dgress	0.07	0.2	69
878182	300873	5378363	Sil breccia synite 3%py oc 3meter wide nice	0.1	0.3	124
878183	300854	5378350	Sil breccia synite 3%py subcrop	0.08	0.4	104
878184	300861	5378366	Synite breccia % py subcrop trench	0.04	0.4	16
878185	300858	5378374	Sil sub crop syn breccia 2%py	0.06	< 0.2	34
878186	300863	5378365	Sil breccia synite 2%py oc	0.18	0.3	120

GRAB SAMPLES COLLECTED IN 2020

Sample No#	Easting N83Z16	Northing N83Z16	Sample Description	Au G/T	Ag ppm 0#2 AR ICP	Cu ppm 1 AR ICP
878187	300862	5378361	Sil breccia synite small py band 2% diss py	0.08	0.2	108
878188	300805	5378241	Oc frc synite minor qtz 3%py	0.11	0.2	77
878189	300783	5378215	Highly fractured synite 2%py rubble oc	0.02	< 0.2	21
878190	300780	5378211	Breccia sil synite 2%py oc	0.08	0.2	31
878191	300779	5378212	Fractiurd sil syn crb 2% py oc sub	0.04	< 0.2	30
878192	300766	5378208	Brecciated syn 2%py sub crop	0.04	0.3	75
878193	300771	5378223	Sil breccia syne 3%py Old nor blast pit	0.14	0.8	44
878194	300550	5378295	Sil breccia syn? 3%py oc north of trench	0.36	2.1	191
878195	300545	5378287	Sil breccia syn oc rub 2% py oc	0.71	1.1	54
878196	300538	5378284	Sil breccia synite altered 2%py sub crop	0.23	0.8	595
878197	300540	5378290	Sil breccia syn alteed 2%py	0.33	3.2	720
878198	300791	5378480	Synite sil unatered tr py VERY LARGE OC	0.01	< 0.2	65
878199	300886	5378435	Sil rust synite 3%py fractured sil oc big area	0.01	< 0.2	117
878200	300889	5378435	Sil synite 3%py sub crop	0.01	< 0.2	111
878151	300557	5378229	Sil por synite ? 3%py	0.11	0.3	34
878152	300564	5378227	Sil andesite 2%py breccia	0.19	1.2	41
878153	300569	5378226	Sil andesite breccia 2%py	0.11	0.5	39
878154	300577	5378223	Sil andesie brccia 3%py	0.17	0.6	158
878155	300577	5378221	Sil ande 4%py fractued	0.48	0.4	350
878156	300583	5378217	Sil ande qrz strig 10% py in masses	0.12	< 0.2	358
878157	300589	5378215	Sil breccia ande sil rings of py	0.1	0.3	61
878158	300588	5378214	Sil breccia ande some massisses py sil	0.07	< 0.2	267
878159	300592	5378210	Breccia ande sil 3%py	0.54	0.3	79
878160	300597	5378209	Altered ande hairline qtz 4%py	0.15	0.4	567
878161	300593	5378202	Same as 161	1.24	0.6	599
878162	300593	5378199	Alered sil breccia 5%py	0.06	0.3	49
878163	300591	5378198	Altered and carb 3%py sil	1.26	1.7	432
878164	300592	5378194	Altered synite minor carb veins 2%py	0.11	0.7	60
878165	300608	5378190	Altered synite carb 3%py	0.23	0.2	19
878481	300790	5377330	Same as 878482 Sim u1	0.04	0.3	30
878483	300794	5377326	Sil maficmall qtz vein ribbed with py pic sim u1	0.23	0.3	13
878484	300790	5377327	Sil mafic poss synite frags	0.13	< 0.2	16
878485	300780	5377363	Red synite 4% py strigers slightly altered	0.03	< 0.2	141
878486	300730	5377412	Sil mafic? 1py strk 30degress?	0.06	< 0.2	34
878487	300700	5377414	Sil intusive atered pinky 3% fie py	0.01	0.2	18
878488	300696	5377414	Sil fine grained intrusive 4%fine py	0.08	< 0.2	28
878489	300689	5377413	Same as 878488	0.05	< 0.2	27
878490	300683	5377411	Sil intrusive 3%py fine pink alter finr gr oc	0.03	< 0.2	31
878491	300615	5377357	Sil medoum rained intrusiebrecca 4% py	0.1	0.4	30
878492	300621	5377354	Synite breccia 5%py red alteration old tr	0.19	0.4	104
878493	300619	5377356	Nt fine grained intrusive pink grey in colour 3%	0.21	0.2	100
878494	300619	5377359	Sil synite breccia pink grey alter 4% fine py	0.08	0.2	56
878495	300618	5377361	Sil medium grained intrusive breccis 4% ine py	0.1	0.5	172
878496	300616	5377369	Intrusive breccia synite breccia 4% py	0.04	0.2	28
878497	300608	5377376	Sil breccia synite 5% py	0.07	0.4	51

GRAB SAMPLES COLLECTED IN 2020

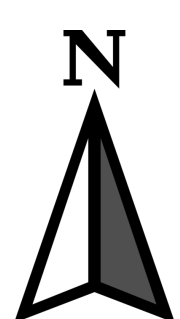
Sample No#	Easting N83Z16	Northing N83Z16	Sample Description	Au G/T	Ag ppm 0#2 AR ICP	Cu ppm 1 AR ICP
878498	300575	5377365	Nor tr 2 u1 sil 5%py rd frags	5.31	1.4	233
878499	300579	5377364	Nor tr 2 u1 5%py	0.32	0.6	116
878500	300574	5377365	Nor tr 2 u1 very sil 5%py	0.42	0.7	41
878461	300247	5377833	Red Synite 2%py subcrop lee patent	1.07	2	149
878462	300224	5377827	Rubble pile mel 2 fire pump	0.03	< 0.2	141
878463	300175	5377921	Subcrop synite tr sul mel	0.04	< 0.2	63
878464	300076	5378019	Rubble breccia tr to 1% sul mel	0.03	< 0.2	23
878465	301102	5377442	Altered synite oc 5% py lage oc	1.12	1.6	351
878467	300983	5377010	Side of swamp breccia synite oc 5%py	0.04	< 0.2	40
878468	300962	5377266	Oc of altered synenite 5%py	0.27	0.6	99
878469	300919	5377214	Red synite 5%py oc red alteration fractured	0.04	< 0.2	72
878470	300942	5377200	Oc fractured up breccia lookig 3% py	0.2	0.2	132
878471	300929	5377116	08bble sil synite breccia oc east sde of trech un	0.43	0.8	52
878472	300928	5377111	Tr 03-08 Red breccia sub 5%py	0.34	< 0.2	62
878473	300929	5377109	Synite breccia 5% py oc 1m 1m tm 0308	0.52	0.4	28
878474	300935	5377103	Tr 0308 Litle shear in red synite breccia 5% py	2.42	2.3	55
878475	300939	5377084	Tm 03-08 synite breccia really red alter 5%py 3m wd	0.37	0.4	501
878476	300939	5377084	Tm 03-08 red synite breccia 5% py zone 3to 4m wids	0.27	0.5	41
878477	300938	5377074	Breccia mor green rubble from trench TM03-08	1	1.2	34
878478	300940	5377067	End of trech south rusty fractured more green 5%py	0.16	0.2	37
878479	300815	5377073	Breicca in creek 3%py pinky in colour sub ctop	0.01	< 0.2	68
878480	300862	5377291	Intense rust synie altered 4%py oc	0.43	0.4	22
878301	300624	5377870	Sil blast rock from old vale trech trench1	0.12	0.5	9
878302	300970	5377555	Rubble peices subcrop 5% py near qtz vein	4.02	3.9	55
878166	300692	5378187	Altered synite qz veining 2%pyoc	0.04	< 0.2	138
878168	300693	5378183	Sil sinite carb red altered 1py	0.04	< 0.2	22
878169	300696	5378197	Altred fractured synite %py oc	0.02	< 0.2	77
878170	300699	5378195	Alted synite a pyfractures 3%py	0.04	0.3	58
878171	300722	5378189	Sil synite 2%py sub	0.04	< 0.2	20
878172	300734	5378193	Sil red altd synite 3%py	0.02	< 0.2	17
878173	300731	5378194	Sil altered synite 4%py	0.05	0.3	21
878176	300634	5378262	Sil synie small qtz str 3%py sub	0.2	0.5	191
878177	300666	5378281	Old nor tr sil mafic? altered light coluted altern	0.04	0.4	115
878178	300772	5378271	Purple syn 3%fracted py	0.07	0.2	86
878179	300887	5378364	Large boulder No Tr fractured sil syn 3% py in fra	0.09	0.3	238
878180	300866	5378364	Sil syn breccia 4% py subcrop nice	0.1	0.3	165
1022520	300534	5377382	Nor tr 2 unit 2 fine and coarse py pitted 5%	1.55	1	246
1022521	300538	5377369	Nor tr u2 sil grey fine py	2.66	0.5	1030
1022522	300536	5377371	Nor tr 2 u2 cor and fine py	4.12	0.7	21
1022523	300533	5377375	Nor tr 2 grey sil fine grained u2	1.74	0.4	33
1022524	300563	5377366	Nor tr un1 brighter grey red frags 5% py	0.48	0.4	15
1022525	300591	5377333	Nor tr east u 1 sil 3%fine py	0.58	0.8	165
1022527	300534	5378241	Sil synte 3 minor qtz 3%py	0.5	0.6	30
1022529	300536	5378237	Altered synite 2%py	0.12	0.9	52
1022530	300543	5378238	Sil lighter coulored 4%masses ofpy	0.54	1	24

GRAB SAMPLES COLLECTED IN 2020

Sample No#	Easting N83Z16	Northing N83Z16	Sample Description	Au G/T	Ag ppm 0#2 AR ICP	Cu ppm 1 AR ICP
1022531	300549	5378237	Sil por ande qtz ribbns 3%py	0.24	1.1	43
1022532	300554	5378234	Sil por ande masses of py stingers py sub crop	0.11	0.4	53
1022533	300556	5378231	Sil ande por? 3%py	0.07	0.5	59
1022534	300565	5377362	Nor tr 2 u2 brighter grey red frags medium grainey	7.68	1.4	394
1022535	300561	5377368	Nor tr 2u2fin py	1.38	0.6	19
1022536	300556	5377365	Nor tr 2 u1 fn and cor py	6.1	1.1	124
1022537	300554	5377360	Nor tr 2 look more like u1 sil lighter gry 3py	4.35	1.1	229
1022538	300546	5377365	Nor tr unit 2more intusive looking 4%py fn cor	16.2	2	94
1022539	300541	5377367	Nor tr2 unit 2 cor and fine py	8	1	173
1022501	300577	5377362	Nor tr 2 unit 1 5%py very sil	0.22	0.5	52
1022502	300570	5377379	Nor tr 2 u1 3%fine py	0.15	1	37
1022503	300569	5377380	Nor tr 2 u1 3% fine py	0.14	1.3	55
1022505	300559	5377392	Nor tr 2 u2 3%fine py	0.27	0.7	732
1022506	300560	5377393	Nor tr 2 unit 2 3% fine py	0.13	0.9	37
1022507	300559	5377396	Nortr 2 u2 3%fine py	0.1	0.7	338
1022508	300553	5377402	Nor tr 2 u2 3%fine py	0.08	0.7	24
1022509	300569	5377376	Nor tr 2 u1 rd fgs pink veins 4% fine py	0.36	0.5	31
1022510	300567	5377371	Nor tr 2 u1 6% py very sil	0.3	0.8	879
1022511	300566	5377368	Nor tr 1 u1 very sil 7%py	1.17	0.4	75
1022512	300569	5377365	Nor tr 2 u1? very sil 5%py	0.87	0.4	147
1022513	300571	5377365	Nor tr 1 very sil 5%py	1.4	0.7	441
1022515	300555	5377406	Nor tr u1 higher elevation grey grey red frags 4%y	0.17	0.3	31
1022516	300560	5377401	Nor tr 2 u1 sil white calcite stining red frags 3P	0.08	0.3	23
1022517	300550	5377402	Nor 2 unit 1 3%py red frags sil	0.11	0.3	43
1022518	300533	5377386	Nt 2 unit 2 grey sil grey and black frags 4%py fie	0.47	0.7	618
1022519	300532	5377385	Nor tr unit 2 py coarser	1.14	1.3	418

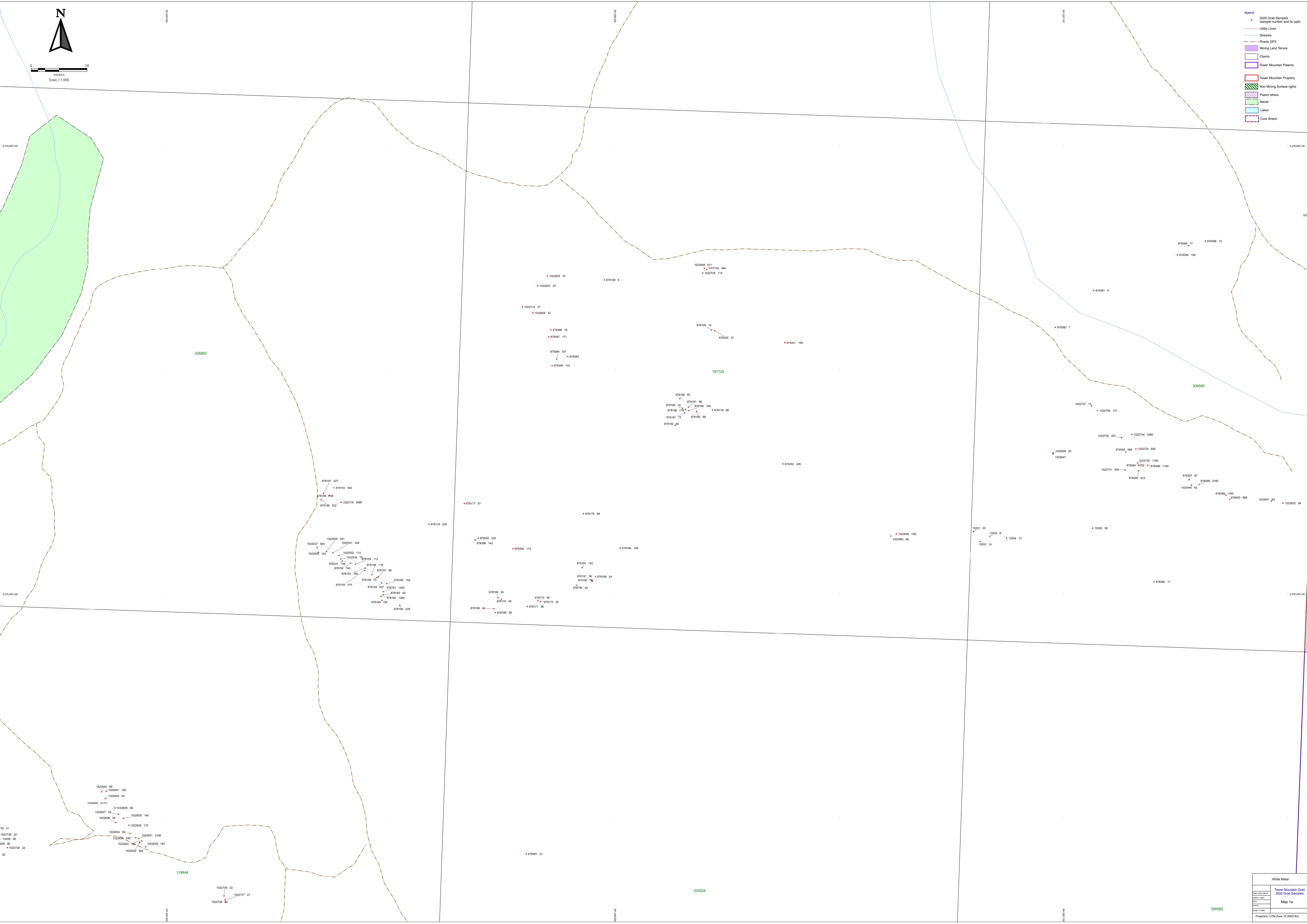
APPENDIX E

Sample locations maps 1a to 1d with locations, samples numbers and Au in ppb

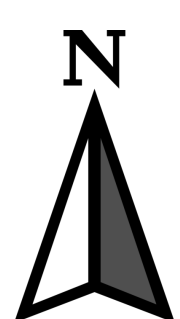


0 50
meters
Scale 1:1,000

- 2020 Grab Samples (sample number and Au ppb)
- Utility Lines
- Streams
- Roads GPX
- Mining Land Tenure
- Claims
- Tower Mountain Patents
- Tower Mountain Property
- Non Mining Surface rights
- Patent others
- Marsh
- Lakes
- Cone Shrub

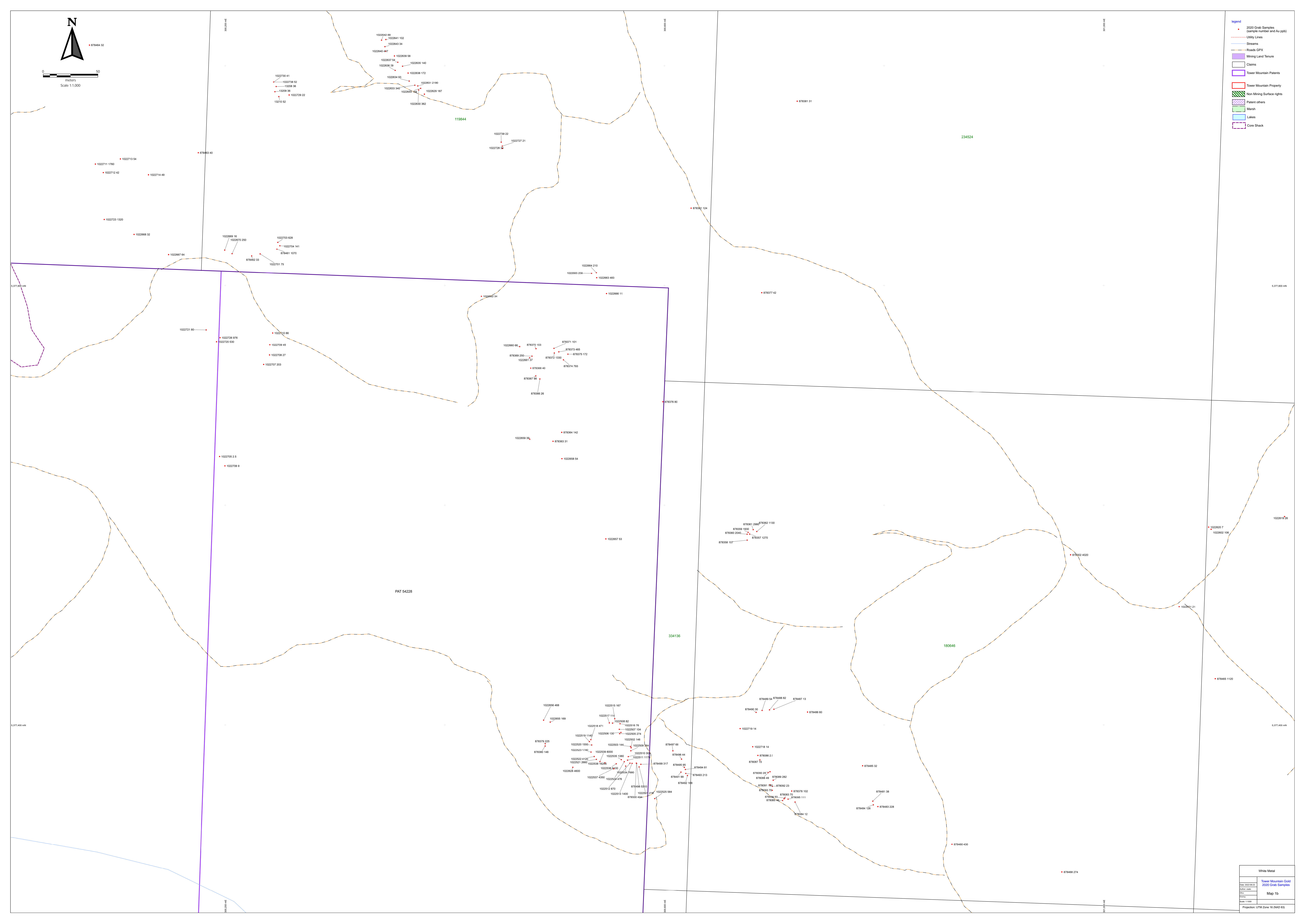


White Metal	
Map 1a	Tower Mountain Gold 2020 Grab Samples
Map 1a	
Projection: UTM Zone 16 (NAD 83)	

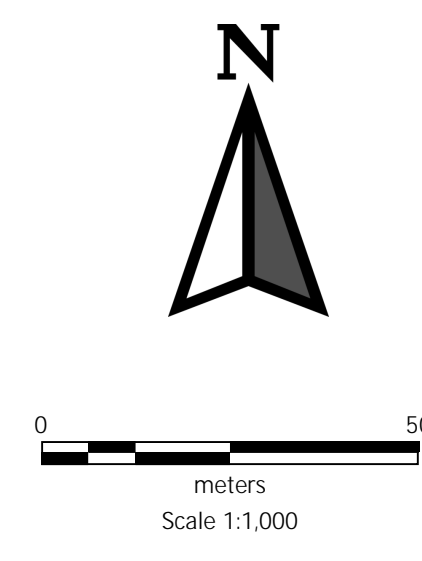


0 50
meters
Scale 1:1,000

- Legend**
- 2020 Grab Samples (sample number and Au ppt)
 - Utility Lines
 - Streams
 - Roads GPX
 - Mining Land Tenure
 - Claims
 - Tower Mountain Patents
 - Tower Mountain Property
 - Non Mining Surface rights
 - Patent others
 - Marsh
 - Lakes
 - Cone Shrub



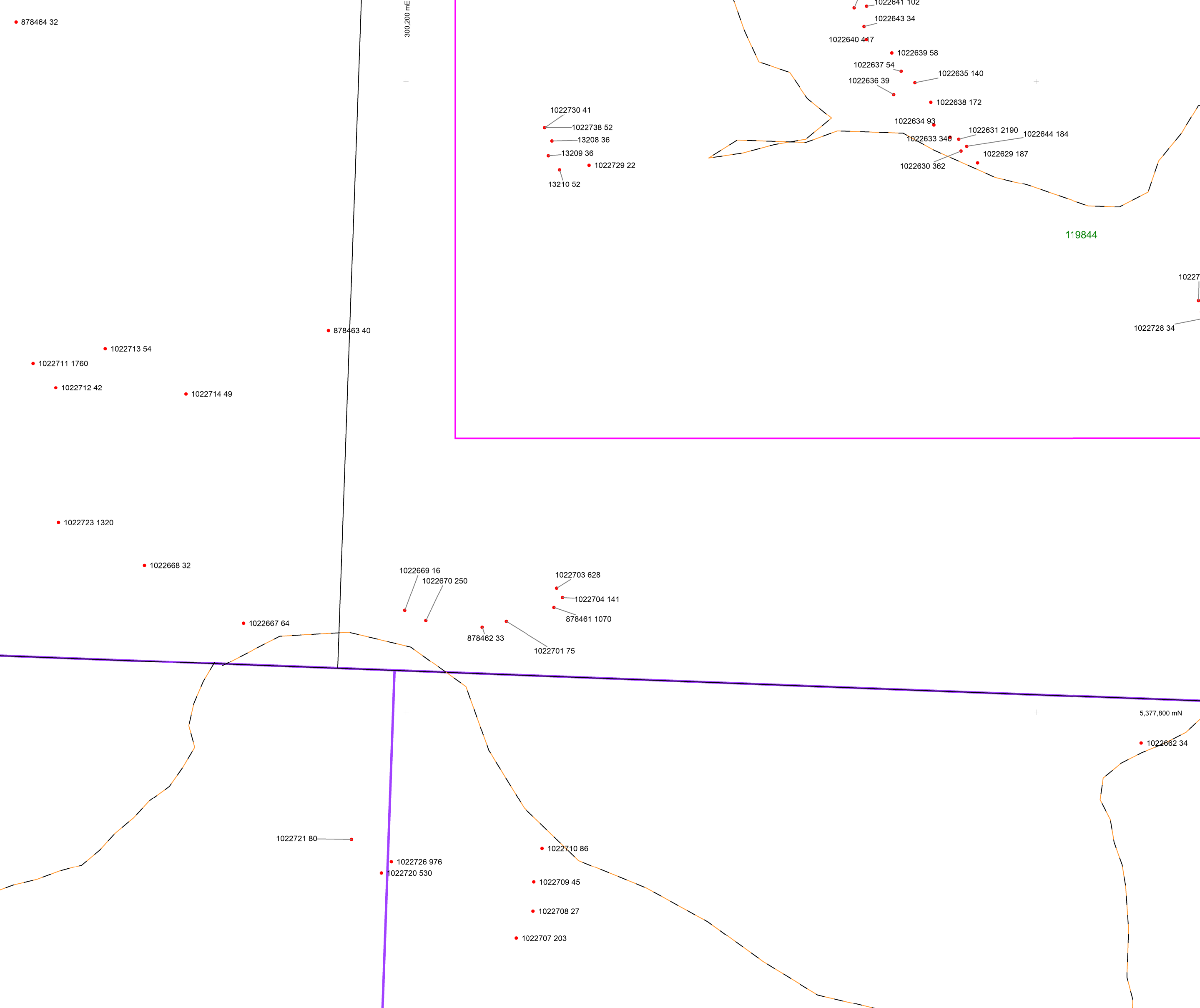
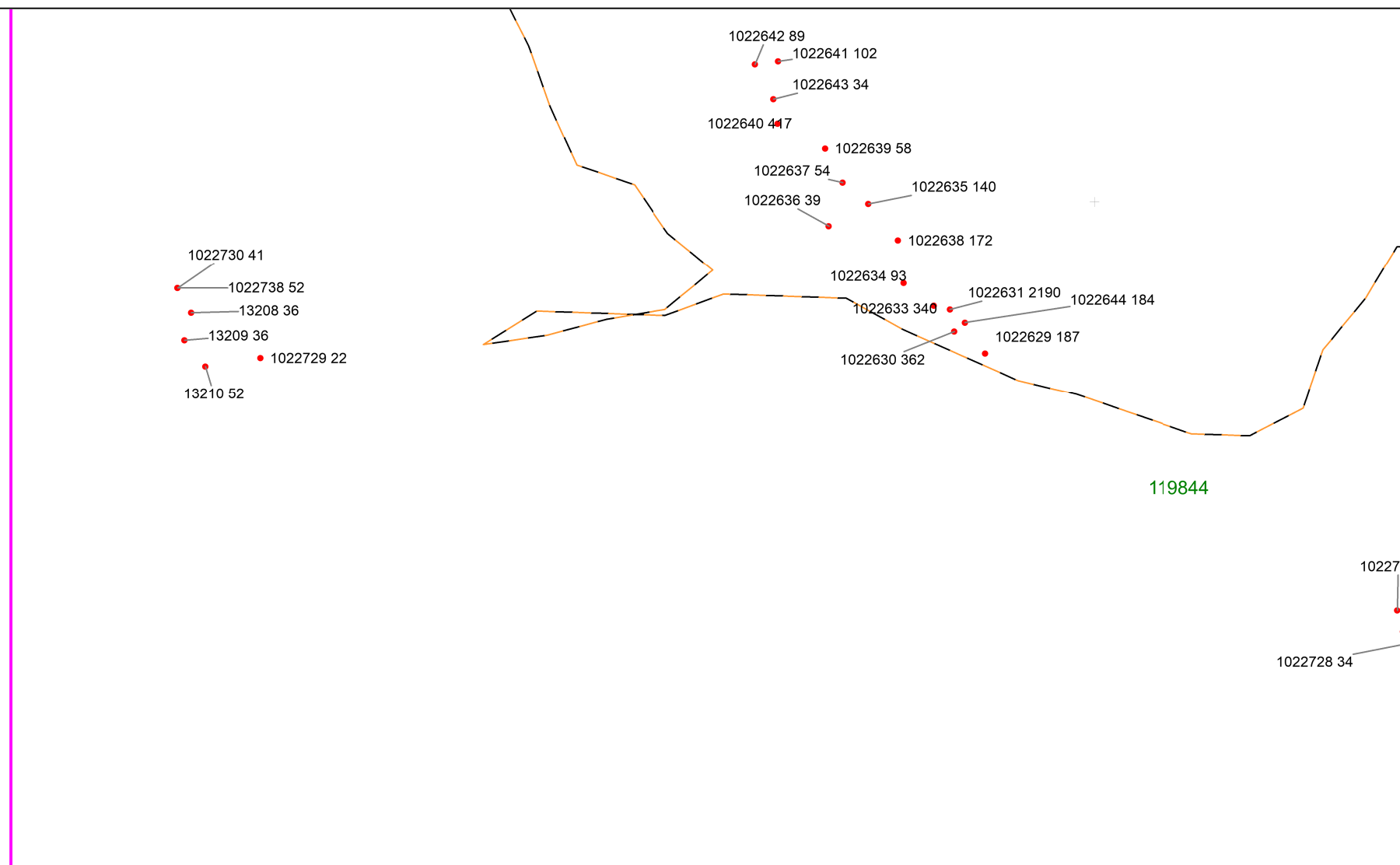
White Metal	
Issue: 2020-09-23	Tower Mountain Gold
Scale: 1:1000	2020 Grab Samples
Map 1b	
Projection: UTM Zone 16 (NAD 83)	



286518

302207

119844



5,377,800 mN

5,377,800 mN

5,377,400 mN

5,377,400 mN

Pat-53309

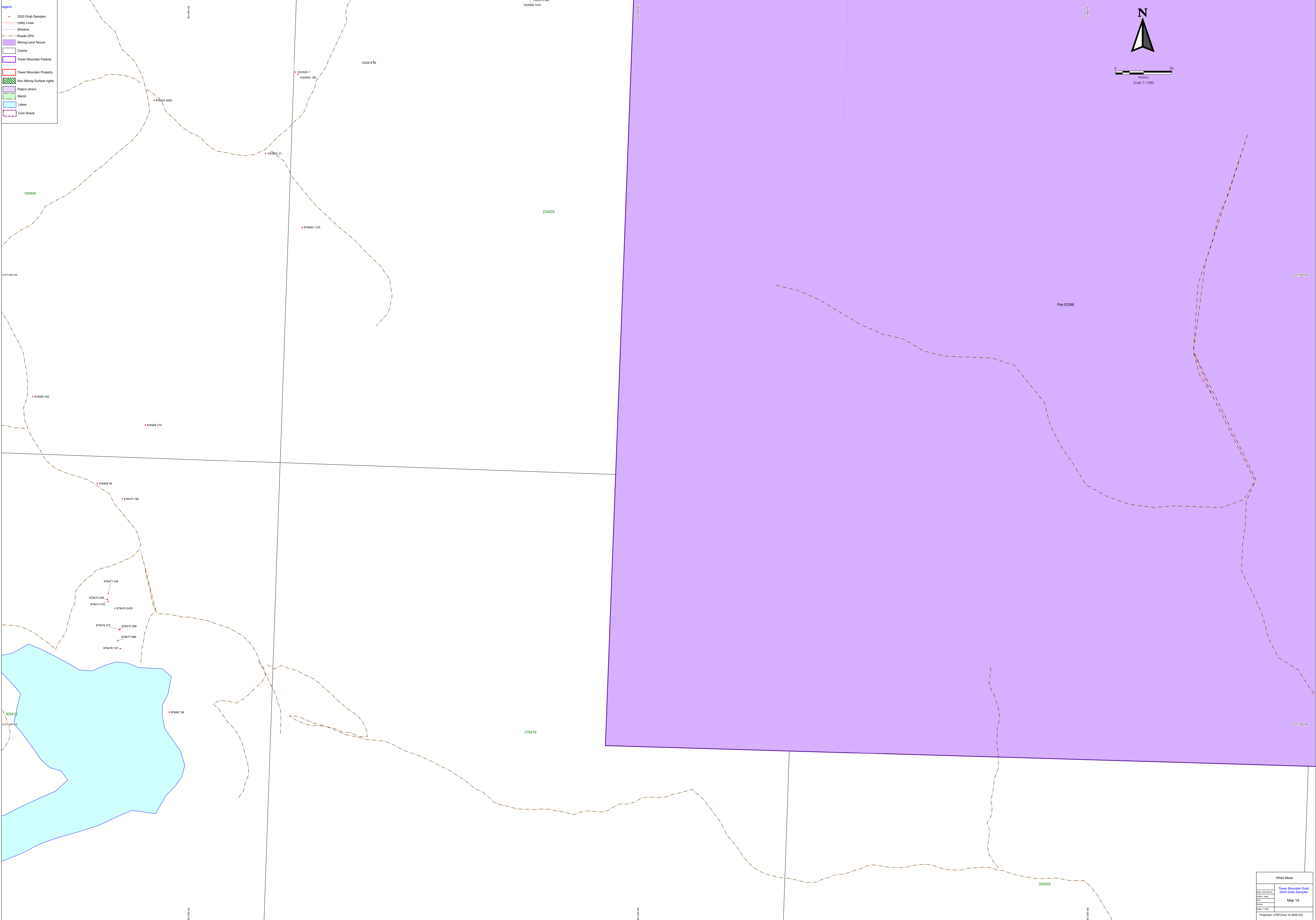
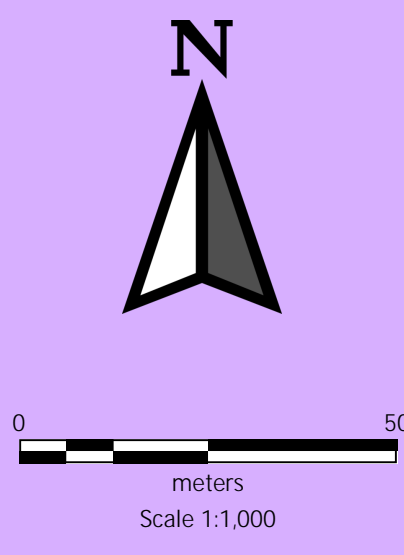
Pat-54300

PAT 54228

- Legend**
- 2020 Grab Samples (sample number and Au ppm)
 - Utility Lines
 - Streams
 - Roads GPX
 - Mining Land Tenure
 - Claims
 - Tower Mountain Patents
 - Tower Mountain Property
 - Non-Mining Surface rights
 - Patent others
 - Marsh
 - Lakes
 - Core Shack

White Metal	
Tower Mountain Gold	2020 Grab Samples
Map 1c	
Scale: 1:1000	
Projection: UTM Zone 18 (NAD 83)	

- Legend**
- 2020 Grab Samples
 - Utility Lines
 - Streams
 - Roads GPX
 - Mining Land Tenure
 - Claims
 - Tower Mountain Patents
 - Tower Mountain Property
 - Non Mining Surface rights
 - Patent Others
 - Abrah
 - Lakes
 - Core Shack



White Metal
 Tower Mountain Gold
 2020 Grab Samples
 Map 1d
 Projection: UTM Zone 16 (NAD 83)

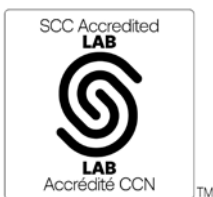


ACTLABS.COM



Geochemistry Schedule of Services & Fees

2022 CANADIAN



Precious Metals Analysis

Gold and Silver Analyses - Geochem

Code	Method	Sample Weight (g)	Metric Range (ppb)	Price
1A1	Au Fire Assay - INAA	30	1 - 20,000	\$22.00
1A2	Au Fire Assay - AA	30	5 - 5,000	\$18.90
1A2B-30	Au Fire Assay - AA	30	5 - 10,000	\$20.15
1A2-50	Au Fire Assay - AA	50	5 - 5,000	\$21.70
1A2B-50	Au Fire Assay - AA	50	5 - 10,000	\$23.00
1A2-ICP	Au Fire Assay - ICP-OES	30	2 - 30,000	\$20.45
1A2-ICP-50	Au Fire Assay - ICP-OES	50	2 - 30,000	\$23.00
1A2-ICPMS	Au Fire Assay - ICP-MS	30	0.5 - 30,000	\$28.00
1A6	Au BLEG - ICP-MS	1,000	0.1 - 10,000	\$44.75
1A6-50	Au Cyanide Extraction - ICP-MS Ag or Cu add-on, for each additional, add	50	0.02 - 1,000	\$16.50 \$5.50
1A8-Au	Au Aqua Regia - ICP-MS	30	0.2 - 2,000	\$20.00
1E-Ag	Ag Aqua Regia - ICP-OES	0.5	0.2 - 100 ppm	\$8.50

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

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

Gold and Silver Analyses - Assay

Code	Method	Sample Weight (g)	Metric Range (g/T)	Price
1A3-30	Au Fire Assay - Gravimetric	30	0.03 - 10,000	\$25.00
1A3-50	Au Fire Assay - Gravimetric	50	0.02 - 10,000	\$28.25
1A3-Ag (Au, Ag)	Au, Ag Fire Assay - Gravimetric	30	0.03 - 10,000 (Au) 3 - 10,000 (Ag)	\$30.75
1A4 *	Au Fire Assay - Metallic Screen	500	0.03 - 10,000	\$80.00
1A4-1000 *	Au Fire Assay - Metallic Screen	1,000	0.03 - 10,000	\$91.00
8-Ag	Ag Fire Assay - Gravimetric	30	3 - 10,000	\$27.50

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

When submitting samples for precious metals analysis, please provide at least 2-3 times the listed sample weight to allow for quality control analysis



Gold, Platinum, Palladium and Rhodium

Code	Method	Sample Weight (g)	Range (ppb)				Price
			Au	Pt	Pd	Rh	
1C-Exploration	Fire Assay - ICP-MS	30	2 - 30,000	1 - 30,000	1 - 30,000	-	\$26.00
1C-Research	Fire Assay - ICP-MS	30	1 - 30,000	0.1 - 30,000	0.1 - 30,000	-	\$36.25
1C-Rhodium	Fire Assay - ICP-MS	30	-	-	-	5 - 10,000	\$35.00
1C-OES	Fire Assay - ICP-OES	30	2 - 30,000	5 - 30,000	5 - 30,000	-	\$23.00
1C-OES-ORE *	Fire Assay - ICP-OES	30	0.006 - 1000 g/T	0.001 - 1000 g/T	0.001 - 1000 g/T	-	\$45.00

* If above 1000g/T, see Concentrate Testing

Platinum Group Elements

Code	Method	Sample Weight (g)	Range (ppb)							Price
			Os	Ir	Ru	Rh	Pt	Pd	Au	
1B1	NiS Fire Assay - INAA	30	2-20,000	0.1-10,000	5-50,000	0.2-20,000	5*-100,000	2-100,000	0.5-20,000	1-2 samples \$381.15 3+ samples \$191.10
1B2	NiS Fire Assay - ICP-MS	30	-	1-10,000	1-10,000	1-10,000	1-10,000	1-10,000	1-10,000	1-2 samples \$381.15 3+ samples \$191.10

* Detection limits for Pt are increased with high Au/Pt ratios and limits for other elements will be affected by abnormally high Au, Sb and Cu content. Samples with high Au can be reanalyzed by Code 1C exploration or research. Zn concentrates are not amenable to the nickel sulphide fire assay. Au results by Code 1B1 or 1B2 can be low by nickel sulphide fire assay. For accurate Au values, please request Code 1C-exploration.

Exploration Geochemistry

Aqua Regia "Partial" Digestion

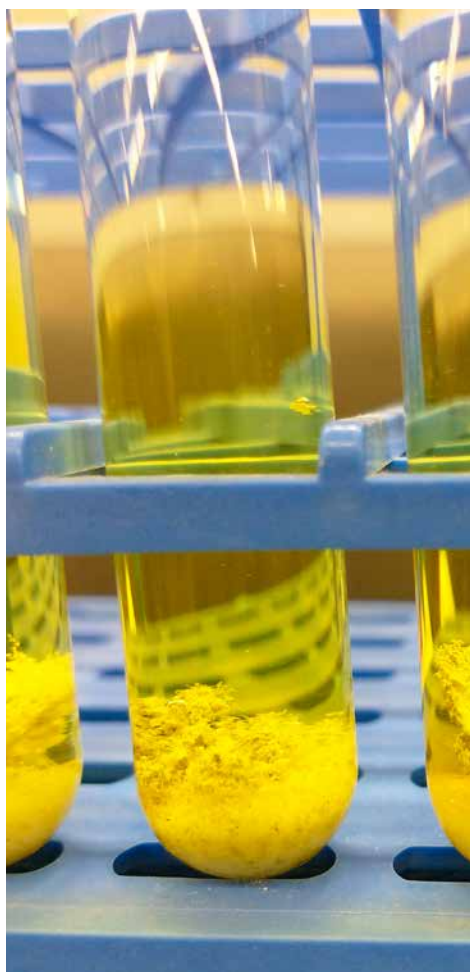
This digestion uses a combination of concentrated hydrochloric and nitric acids to leach sulphides, some oxides and some silicates. Mineral phases which are hardly (if at all) attacked include barite, zircon, monazite, sphene, chromite, gahnite, garnet, ilmenite, rutile and cassiterite. The balance of silicates and oxides are only slightly to moderately attacked, depending on the degree of alteration. Generally, but not always, most base metals and gold are usually dissolved.

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

Note: For Code Ultratrace 1, Code Ultratrace 2 and Code UT-1M, Au is semi-quantitative when using a 0.5g sample.

15g or 30g is recommend for soils, sediments and vegetation samples only.

Packages that involve 15g and 30g sample size will require RX10 (pulp weight report)



Package	ICP-OES (ppm)		ICP-MS (ppm)		ICP-OES + ICP-MS (ppm)
	1E	1E3	UT-1M	Ultratrace 1	Ultratrace 2
Ag	0.2 - 100	0.2 - 100	0.1 - 100	0.002 - 100	0.002 - 100
Al	-	0.01 - 10 %	0.01 - 8 %	0.01 - 8 %	0.01 - 8 %
As	-	2 - 10,000	0.5 - 10,000	0.1 - 10,000	0.1 - 10,000
Au	-	-	0.5 - 1,000 ppb	0.5 - 10,000 ppb	0.5 - 10,000 ppb
B	-	10 - 10,000	20 - 2,000	1 - 5,000	1 - 5,000
Ba	-	10 - 10,000	1 - 10,000	0.5 - 6,000	0.5 - 6,000
Be	-	0.5 - 1,000	-	0.1 - 1,000	0.1 - 1,000
Bi	-	2 - 10,000	0.1 - 2,000	0.02 - 2,000	0.02 - 2,000
Ca	-	0.01 - 10 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %
Cd	0.5 - 2,000	0.5 - 2,000	0.1 - 2,000	0.01 - 2,000	0.01 - 1,000
Ce	-	-	-	0.01 - 10,000	0.01 - 10,000
Co	-	1 - 10,000	0.1 - 5,000	0.1 - 5,000	0.1 - 5,000
Cr	-	1 - 10,000	1 - 10,000	1 - 10,000	1 - 10,000
Cs	-	-	-	0.02 - 500	0.02 - 500
Cu	1 - 10,000	1 - 10,000	0.2 - 10,000	0.2 - 10,000	0.2 - 10,000
Dy	-	-	-	0.1 - 1,000	0.1 - 1,000
Er	-	-	-	0.1 - 1,000	0.1
Eu	-	-	-	0.1 - 100	0.1
Fe	-	0.01 - 30 %	0.01 - 30 %	0.01 - 30 %	0.01 - 30 %
Ga	-	10 - 10,000	1 - 1,000	0.02 - 500	0.02 - 500
Gd	-	-	-	0.1 - 1,000	0.1 - 1,000
Ge	-	-	-	0.1 - 500	0.1 - 500
Hf	-	-	-	0.1 - 500	0.1 - 500
Hg	1 - 10,000	1 - 10,000	0.01 - 50	10 - 10,000ppb	10 - 10,000 ppb
Ho	-	-	-	0.1 - 1,000	0.1 - 1,000
In	-	-	-	0.02 - 500	0.02 - 500
K	-	0.01 - 10 %	0.01 - 5 %	0.01 - 5 %	0.01 - 5 %
La	-	10 - 10,000	1 - 10,000	0.5 - 10,000	0.5 - 1,000
Li	-	-	-	0.1 - 10,000	0.1 - 10,000
Lu	-	-	-	0.1 - 100	0.1 - 100
Mg	-	0.01 - 25 %	0.01 - 10 %	0.01 - 10 %	0.01 - 10 %
Mn	2 - 100,000	5 - 100,000	1 - 10,000	1 - 10,000	1 - 10,000
Mo	2 - 10,000	1 - 10,000	0.1 - 10,000	0.01 - 10,000	0.01 - 10,000
Na	-	0.001 - 10 %	0.001 - 5 %	0.001 - 5 %	0.001 - 5 %
Nb	-	-	-	0.1 - 500	0.1 - 500
Nd	-	-	-	0.02 - 5,000	0.02 - 5,000
Ni	1 - 10,000	1 - 10,000	0.1 - 10,000	0.1 - 10,000	0.1 - 10,000
P	-	0.001 - 5 %	0.001 - 5 %	0.001 - 5 %	0.001 - 5 %
Pb	2 - 5,000	2 - 5,000	0.1 - 5,000	0.1 - 5,000	0.1 - 5,000
Pr	-	-	-	0.1 - 1,000	0.1 - 1,000
Rb	-	-	-	0.1 - 500	0.1 - 500
Re	-	-	-	0.001 - 100	0.001 - 100
S +	0.001 - 20 %	0.001 - 20 %	1 - 20 %	1 - 20 %	0.001 - 20 %
Sb	-	2 - 10,000	0.1 - 500	0.02 - 500	0.02 - 500
Sc	-	1 - 10,000	0.1 - 10,000	0.1 - 10,000	0.1 - 10,000
Se	-	-	0.5 - 10,000	0.1 - 10,000	0.1 - 10,000
Sm	-	-	-	0.1 - 100	0.1 - 100
Sn	-	-	-	0.05 - 200	0.05 - 200
Sr	-	1 - 10,000	1 - 5,000	0.5 - 5,000	0.5 - 5,000
Ta	-	-	-	0.05 - 50	0.05 - 50
Tb	-	-	-	0.1 - 100	0.1 - 100
Te	-	1 - 500	0.2 - 500	0.02 - 500	0.02 - 500
Th	-	20 - 10,000	0.1 - 200	0.1 - 200	0.1 - 200
Ti	-	0.01 - 10 %	0.001 - 10 %	0.001 - 10 %	0.01 - 10 %
Tl	-	2 - 10,000	0.1 - 500	0.02 - 500	0.02 - 500
Tm	-	-	-	0.1 - 1,000	0.1 - 1,000
U	-	10 - 10,000	-	0.1 - 10,000	0.1 - 10,000
V	-	1 - 10,000	2 - 1,000	1 - 1,000	1 - 1,000
W	-	10 - 200	0.1 - 200	0.1 - 200	0.1 - 200
Y	-	1 - 1,000	-	0.01 - 500	0.01 - 500
Yb	-	-	-	0.1 - 200	0.1 - 200
Zn	1 - 10,000	2 - 10,000	1 - 5,000	0.1 - 5,000	0.1 - 5,000
Zr	-	1 - 10,000	-	0.1 - 5,000	0.1 - 5,000
0.5g Price:	\$13.50	\$14.25	\$20.00	\$25.50	\$28.75
		15g Price	\$30.00	\$33.50	
		30g Price	\$33.65	\$36.75	

Extraction of each element by Aqua Regia is dependent on mineralogy
+ Sulphide sulphur and soluble sulphates are extracted

4-Acid "Near Total" Digestion

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

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



Package	ICP-OES (ppm)		ICP-MS (ppm)		ICP-OES + ICP-MS (ppm)	
	1F2	UT-4M	UltraTrace 4	UltraTrace 6	UT-6M	
Ag	0.3 - 100	0.1 - 100	0.05 - 100	0.3 - 100	0.01 - 100	
Al	0.01 - 50 %	0.01 - 20 %	0.01 - 10 %	0.01 - 10 %	0.01 - 50 %	
As	3 - 5,000	1 - 10,000	0.1 - 10,000	0.1 - 10,000	0.2 - 10,000	
B	-	-	20 - 6,000	-	-	
Ba	7 - 1,000	1 - 10,000	1 - 5,000	1 - 5,000	10 - 10,000	
Be	1 - 10,000	1 - 1,000	0.1 - 1,000	0.1 - 1,000	0.05 - 1,000	
Bi	2 - 10,000	0.1 - 4,000	0.02 - 2,000	0.02 - 2,000	0.01 - 10,000	
Ca	0.01 - 70 %	0.01 - 40 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %	
Cd	0.3 - 2,000	0.1 - 4,000	0.1 - 1,000	0.3 - 2,000	0.02 - 1,000	
Ce	-	1 - 2,000	0.1 - 10,000	0.1 - 10,000	0.01 - 500	
Co	1 - 10,000	0.2 - 4,000	0.1 - 500	1 - 10,000	0.1 - 10,000	
Cr	1 - 10,000	1 - 10,000	1 - 5,000	1 - 5,000	1 - 10,000	
Cs	-	0.1 - 10,000	0.05 - 100	0.05 - 100	0.05 - 500	
Cu	1 - 10,000	0.1 - 10,000	0.2 - 10,000	1 - 10,000	0.2 - 10,000	
Dy	-	-	0.1 - 5,000	0.1 - 5,000	-	
Er	-	-	0.1 - 1,000	0.1 - 1,000	-	
Eu	-	-	0.05 - 100	0.05 - 100	-	
Fe	0.01 - 50 %	0.01 - 60 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %	
Ga	1 - 10,000	-	0.1 - 500	0.1 - 500	0.05 - 10,000	
Gd	-	-	0.1 - 5,000	0.1 - 5,000	-	
Ge	-	-	0.1 - 500	0.1 - 500	0.05 - 500	
Hf	-	0.1 - 1,000	0.1 - 500	0.1 - 500	0.1 - 500	
Ho	-	-	0.1 - 1,000	0.1 - 1,000	-	
In	-	-	0.1 - 100	0.1 - 100	0.005 - 500	
K	0.01 - 10 %	0.01 - 10 %	0.01 - 5 %	0.01 - 5 %	0.01 - 10 %	
La	-	0.1 - 2,000	0.1 - 10,000	0.1 - 10,000	0.5 - 10,000	
Li	1 - 10,000	0.1 - 2,000	0.5 - 400	1 - 10,000	0.2 - 10,000	
Lu	-	-	0.1 - 100	0.1 - 100	-	
Mg	0.01 - 50 %	0.01 - 30 %	0.01 - 50 %	0.01 - 50 %	0.01 - 50 %	
Mn	1 - 100,000	1 - 10,000	1 - 10,000	1 - 10,000	5 - 100,000	
Mo	1 - 10,000	0.1 - 4,000	0.05 - 10,000	1 - 10,000	0.05 - 10,000	
Na	0.01 - 10 %	0.001 - 10 %	0.01 - 3 %	0.01 - 3 %	0.01 - 10 %	
Nb	-	0.1 - 2,000	0.1 - 500	0.1 - 500	0.1 - 500	
Nd	-	-	0.1 - 10,000	0.1 - 10,000	-	
Ni	1 - 10,000	0.1 - 10,000	0.5 - 5,000	1 - 10,000	0.2 - 10,000	
P	0.001 - 10 %	0.001 - 5 %	-	0.001 - 10 %	10 - 10,000	
Pb	3 - 5,000	0.1 - 5,000	0.5 - 5,000	3 - 5,000	0.5 - 10,000	
Pr	-	-	0.1 - 5,000	0.1 - 1,000	-	
Rb	-	0.1 - 2,000	0.2 - 500	0.2 - 5,000	0.1 - 10,000	
Re	-	-	0.001 - 100	0.001 - 100	0.002 - 50	
S +	0.01 - 20 %	1 - 10 %	-	0.01 - 20 %	0.01 - 10 %	
Sb	5 - 10,000	0.1 - 4,000	0.1 - 500	0.1 - 500	0.05 - 10,000	
Sc	4 - 10,000	1 - 200	-	1 - 5,000	0.1 - 10,000	
Se	-	-	0.1 - 1,000	0.1 - 1,000	1 - 1,000	
Sm	-	-	0.1 - 100	0.1 - 100	-	
Sn	-	0.1 - 2,000	1 - 200	1 - 200	0.2 - 500	
Sr	1 - 10,000	1 - 10,000	0.2 - 10,000	0.2 - 1,000	0.2 - 10,000	
Ta	-	0.1 - 2,000	0.1 - 1,000	0.1 - 1,000	0.05 - 100	
Tb	-	-	0.1 - 100	0.1 - 100	-	
Te	2 - 10,000	-	0.1 - 500	0.1 - 500	0.05 - 500	
Th	-	0.1 - 4,000	0.1 - 500	0.1 - 500	0.01 - 10,000	
Ti	0.01 - 10 %	0.001 - 10 %	-	0.0005 - 10 %	0.005 - 10 %	
Tl	5 - 10,000	0.05 - 10,000	0.05 - 500	0.05 - 500	0.02 - 10,000	
Tm	-	-	0.1 - 1,000	0.1 - 1,000	-	
U	10 - 10,000	0.1 - 4,000	0.1 - 10,000	0.1 - 10,000	0.1 - 10,000	
V	2 - 10,000	4 - 10,000	1 - 10,000	1 - 10,000	1 - 10,000	
W	5 - 10,000	0.1 - 200	0.1 - 200	0.1 - 200	0.1 - 10,000	
Y	1 - 1,000	0.1 - 2,000	0.1 - 10,000	0.1 - 10,000	0.1 - 500	
Yb	-	-	0.1 - 5,000	0.1 - 5,000	-	
Zn	1 - 10,000	1 - 10,000	0.2 - 10,000	1 - 10,000	2 - 10,000	
Zr	5 - 10,000	0.1 - 2,000	1 - 5,000	1 - 5,000	0.5 - 500	
Price:	\$19.00	\$25.75	\$29.00	\$36.50	\$32.50	

Extraction of each element by 4-Acid Digestion is dependent on mineralogy
+ Sulphide sulphur and soluble sulphates are extracted